Arkansas Analytical Inc.

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15 April 2013

Kristie Warr
Weston Solutions, Inc.
5599 San Felipe; Ste. 700
Houston, TX 77056

RE: Pegasus Pipeline; Mayflower, AR

SDG Number: 1304117

Enclosed are the results of analyses for samples received by the laboratory on 08-Apr-13 08:20. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✔
Containers Correct	✔
COC/Labels Agree	✔
Preservation Confirmed	✔
Received On Ice	
Temperature on Receipt	21.0°C

Sincerely,

Norma James
President

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15 April 2013

Kristie Warr
Weston Solutions, Inc.
5599 San Felipe; Ste. 700
Houston, TX 77056
Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

CASE NARRATIVE

Sample Delivery Group - 1304117

Qualified analytical and/or quality control results are discussed below:

PCB Analysis:
Elevated Detection Limit (EDL6): The PCBs results for samples 1304117-01 thru 1304117-02 were non-detect at an elevated detection limit due to sample matrix.

Semivolatiles Analysis:
Laboratory Control Spike Duplicate (LCSD) Failure: 2,4,6-Trichlorophenol failed to recover within acceptance criteria in the LCSD sample. The recovery was qualified by "%D2" in the quality control section of the final report. The 2,4,6-Trichlorophenol results for samples 1304117-01 thru 1304117-02 were qualified as "estimated" (E5) due to this failure.

Total Metals Analysis:
Matrix Spike/Matrix Spike Duplicate (MS/MSD) Failure: Mercury failed to recover within acceptance criteria in the MS/MSD sample. The recoveries were qualified by “MBI", which means “Masked by Interference”, in the quality control section of the final report. Mercury was qualified as "estimated" (E20) in the parent sample, 1304117-01 (PL01-61-20130405).

Volatiles Analysis:
Continuing Calibration Verification (CCV) Failure (E-01): 2-Butanone failed (high) to meet method criteria in the CCV associated with samples 1304117-01RE4 thru 1304117-02RE2 . 2-Butanone was qualified as "estimated" (E-01) in the associated samples and in the quality control section of the final report. If the sample is non-detect for the analyte, the CCV has demonstrated the analyte would have been detected if it were present.

Second Source Verification Failure (E5): Acrolein failed to recover within method specified requirements in the second source verification of the initial calibration curve. Acrolein was qualified as "estimated" (E5) in all samples and in the quality control section of the final report.

Matrix Interference (E4): n-Butylbenzene was qualified as "estimated" (E4) in all samples 1304117-01RE4 and 1304117-02RE2 due to matrix interference.

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Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number:	**1304117-01**
Sample Name:	**PL01-61-20130405**
Date/Time Collected:	**4/5/13 14:00**
Sample Matrix:	**Oil**

Herbicides	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4-D	mg/kg	< 20.0		4/10/13 12:15	A304173	8151A
2,4,5-TP (Silvex)	mg/kg	< 5.00		4/10/13 12:15	A304173	8151A
DCAA [surr]	%	79.6		4/10/13 12:15	A304173	8151A

PCBs	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aroclor-1016	mg/kg	< 1.0	EDL6	4/10/13 10:52	A304158	8082A
Aroclor-1260	mg/kg	< 1.0	EDL6	4/10/13 10:52	A304158	8082A
Aroclor-1254	mg/kg	< 1.0	EDL6	4/10/13 10:52	A304158	8082A
Aroclor-1242	mg/kg	< 1.0	EDL6	4/10/13 10:52	A304158	8082A
Aroclor-1248	mg/kg	< 1.0	EDL6	4/10/13 10:52	A304158	8082A
TCMX [surr]	%	72.0		4/10/13 10:52	A304158	8082A
DCBP [surr]	%	95.4		4/10/13 10:52	A304158	8082A

Pesticides	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
4,4´-DDD	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
4,4´-DDE	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
4,4´-DDT	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
Aldrin	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
alpha-BHC	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
beta-BHC	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
delta-BHC	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
Dieldrin	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
Endrin ketone	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
Endosulfan I	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
Endosulfan II	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
Endosulfan sulfate	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
Endrin	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
Endrin aldehyde	mg/kg	< 4.00		4/11/13 11:56	A304196	8081B
gamma-BHC (Lindane)	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
Heptachlor	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
Heptachlor epoxide	mg/kg	< 2.00		4/11/13 11:56	A304196	8081B
Methoxychlor	mg/kg	< 20.0		4/11/13 11:56	A304196	8081B
Toxaphene	mg/kg	< 50.0		4/11/13 11:56	A304196	8081B
alpha-Chlordane	mg/kg	< 20.0		4/11/13 11:56	A304196	8081B
gamma-Chlordane	mg/kg	< 20.0		4/11/13 11:56	A304196	8081B
DCBP [surr]	%	92.1		4/11/13 11:56	A304196	8081B
TCMX [surr]	%	83.9		4/11/13 11:56	A304196	8081B

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4,5-Trichlorophenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2,4,6-Trichlorophenol	mg/kg	< 198	E5	4/11/13 16:00	A304198	8270D
2,4-Dichlorophenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2,4-Dimethylphenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2,4-Dinitrophenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D

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5599 San Felipe; Ste. 700
Houston, TX 77056
Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number: 1304117-01
Sample Name: PL01-61-20130405
Date/Time Collected: 4/5/13 14:00
Sample Matrix: Oil

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4-Dinitrotoluene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2,6-Dinitrotoluene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2-Chloronaphthalene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2-Chlorophenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2-Methylnaphthalene	mg/kg	**317**		4/11/13 16:00	A304198	8270D
2-Methylphenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2-Nitroaniline	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2-Nitrophenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
3 & 4-Methylphenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
3,3-Dichlorobenzidine	mg/kg	< 198		4/11/13 16:00	A304198	8270D
3-Nitroaniline	mg/kg	< 198		4/11/13 16:00	A304198	8270D
4,6-Dinitro-2-methylphenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
4-Bromophenyl-phenylether	mg/kg	< 198		4/11/13 16:00	A304198	8270D
4-Chloro-3-methylphenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
4-Chloroaniline	mg/kg	< 198		4/11/13 16:00	A304198	8270D
4-Chlorophenyl-phenylether	mg/kg	< 198		4/11/13 16:00	A304198	8270D
4-Nitroaniline	mg/kg	< 198		4/11/13 16:00	A304198	8270D
4-Nitrophenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Acenaphthene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Acenaphthylene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Anthracene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Benzo (a) anthracene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Benzo[a]pyrene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Benzo[b]fluoranthene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Benzo[g,h,i]perylene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Benzo[k]fluoranthene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Bis(2-chloroethoxy)methane	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Bis(2-chloroethyl)ether	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Bis(2-ethylhexyl)phthalate	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Butylbenzylphthalate	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Carbazole	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Chrysene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Dibenz[a,h]anthracene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Dibenzofuran	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Diethylphthalate	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Dimethylphthalate	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Di-n-butylphthalate	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Di-n-octylphthalate	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Fluoranthene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Fluorene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Hexachlorobenzene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Hexachlorobutadiene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Hexachlorocyclopentadiene	mg/kg	< 198		4/11/13 16:00	A304198	8270D

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ANALYTICAL RESULTS

Lab Number: 1304117-01
Sample Name: PL01-61-20130405
Date/Time Collected: 4/5/13 14:00
Sample Matrix: Oil

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Hexachloroethane	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Indeno[1,2,3-cd]pyrene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Isophorone	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Naphthalene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Nitrobenzene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
N-Nitroso-di-n-propylamine	mg/kg	< 198		4/11/13 16:00	A304198	8270D
N-Nitrosodiphenylamine/diphenylamine	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Pentachlorophenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Phenanthrene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Phenol	mg/kg	< 198		4/11/13 16:00	A304198	8270D
Pyrene	mg/kg	< 198		4/11/13 16:00	A304198	8270D
2,4,6-Tribromophenol [surr]	%	102		4/11/13 16:00	A304198	8270D
2-Fluorobiphenyl [surr]	%	102		4/11/13 16:00	A304198	8270D
2-Fluorophenol [surr]	%	86.4		4/11/13 16:00	A304198	8270D
Nitrobenzene-d5 [surr]	%	105		4/11/13 16:00	A304198	8270D
Phenol-d5 [surr]	%	105		4/11/13 16:00	A304198	8270D
Terphenyl-d14 [surr]	%	89.0		4/11/13 16:00	A304198	8270D

Total Metals	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aluminum	mg/kg	< 5.0		4/10/13 18:18	A304188	6010C
Antimony	mg/kg	< 2.45		4/10/13 18:18	A304188	6010C
Arsenic	mg/kg	< 2.45		4/10/13 18:18	A304188	6010C
Barium	mg/kg	< 0.245		4/10/13 18:18	A304188	6010C
Beryllium	mg/kg	< 0.245		4/10/13 18:18	A304188	6010C
Cadmium	mg/kg	< 0.245		4/10/13 18:18	A304188	6010C
Calcium	mg/kg	< 14.7		4/10/13 18:18	A304188	6010C
Chromium	mg/kg	< 1.96		4/10/13 18:18	A304188	6010C
Cobalt	mg/kg	< 0.490		4/10/13 18:18	A304188	6010C
Copper	mg/kg	< 2.45		4/10/13 18:18	A304188	6010C
Iron	mg/kg	< 14.7		4/10/13 18:18	A304188	6010C
Lead	mg/kg	< 5.00		4/10/13 18:18	A304188	6010C
Magnesium	mg/kg	< 4.90		4/10/13 18:18	A304188	6010C
Manganese	mg/kg	< 0.500		4/10/13 18:18	A304188	6010C
Mercury	mg/kg	< 0.250	E20	4/10/13 16:06	A304184	7471B
Nickel	mg/kg	**2.92**		4/10/13 18:18	A304188	6010C
Potassium	mg/kg	**17.6**		4/10/13 18:18	A304188	6010C
Selenium	mg/kg	< 4.90		4/10/13 18:18	A304188	6010C
Silver	mg/kg	< 1.47		4/10/13 18:18	A304188	6010C
Sodium	mg/kg	< 49.0		4/10/13 18:18	A304188	6010C
Thallium	mg/kg	< 9.79		4/10/13 18:18	A304188	6010C
Vanadium	mg/kg	**21.4**		4/10/13 18:18	A304188	6010C
Zinc	mg/kg	**0.570**		4/10/13 18:18	A304188	6010C

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ANALYTICAL RESULTS

Lab Number:	**1304117-01RE2**
Sample Name:	**PL01-61-20130405**
Date/Time Collected:	**4/5/13 14:00**
Sample Matrix:	**Oil**

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,3-Dimethylbenzene	mg/kg	**704**		4/11/13 14:20	A304197	8260C
1,4-Dimethylbenzene	mg/kg	**704**		4/11/13 14:20	A304197	8260C
Benzene	mg/kg	**830**		4/11/13 14:20	A304197	8260C
Toluene	mg/kg	**1820**		4/11/13 14:20	A304197	8260C
4-Bromofluorobenzene [surr]	%	103		4/11/13 14:20	A304197	8260C
1,2-Dichloroethane-d4 [surr]	%	99.9		4/11/13 14:20	A304197	8260C
Toluene-d8 [surr]	%	99.4		4/11/13 14:20	A304197	8260C

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ANALYTICAL RESULTS

Lab Number: 1304117-01RE4
Sample Name: PL01-61-20130405
Date/Time Collected: 4/5/13 14:00
Sample Matrix: Oil

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,1,1,2-Tetrachloroethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,1,1-Trichloroethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,1,2,2-Tetrachloroethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,1,2-Trichloroethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,1-Dichloroethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,1-Dichloroethene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,1-Dichloropropene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2,3-Trichlorobenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2,3-Trichloropropane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2,4- Trimethylbenzene	mg/kg	**426**		4/11/13 16:04	A304197	8260C
1,2,4-Trichlorobenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2-Dibromo-3-chloropropane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2-Dibromoethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2-Dichlorobenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2-Dichloroethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2-Dichloropropane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,2-Dimethylbenzene	mg/kg	**394**		4/11/13 16:04	A304197	8260C
1,3,5- Trimethylbenzene	mg/kg	**189**		4/11/13 16:04	A304197	8260C
1,3-Dichlorobenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,3-Dichloropropane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
1,4-Dichlorobenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
2,2-Dichloropropane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
2-Butanone	mg/kg	< 107	E-01	4/11/13 16:04	A304197	8260C
2-Chloroethyl Vinyl Ether	mg/kg	< 107		4/11/13 16:04	A304197	8260C
2-Chlorotoluene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
2-Hexanone	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
4-Chlorotoluene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
4-Methyl-2-pentanone	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Acrolein	mg/kg	< 21.5	E5	4/11/13 16:04	A304197	8260C
Acrylonitrile	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Bromobenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Bromochloromethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Bromodichloromethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Bromoform	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Bromomethane	mg/kg	< 107		4/11/13 16:04	A304197	8260C
Carbon disulfide	mg/kg	< 107		4/11/13 16:04	A304197	8260C
Carbon Tetrachloride	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Chlorobenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Chlorodibromomethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Chloroethane	mg/kg	< 107		4/11/13 16:04	A304197	8260C
Chloroform	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Chloromethane	mg/kg	< 107		4/11/13 16:04	A304197	8260C
cis-1,2-Dichloroethene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C

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Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number: 1304117-01RE4
Sample Name: PL01-61-20130405
Date/Time Collected: 4/5/13 14:00
Sample Matrix: Oil

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
cis-1,3-Dichloropropene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Dibromomethane	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Dichlorodifluoromethane	mg/kg	< 107		4/11/13 16:04	A304197	8260C
Ethylbenzene	mg/kg	**339**		4/11/13 16:04	A304197	8260C
Hexachlorobutadiene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Isopropylbenzene	mg/kg	**74.2**		4/11/13 16:04	A304197	8260C
Methylene Chloride	mg/kg	< 107		4/11/13 16:04	A304197	8260C
Methyl-tert-Butyl Ether	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Naphthalene	mg/kg	**56.1**		4/11/13 16:04	A304197	8260C
n-Butylbenzene	mg/kg	**122**	E4	4/11/13 16:04	A304197	8260C
n-Propylbenzene	mg/kg	**128**		4/11/13 16:04	A304197	8260C
p-Isopropyltoluene	mg/kg	**44.4**		4/11/13 16:04	A304197	8260C
sec-Butylbenzene	mg/kg	**45.6**		4/11/13 16:04	A304197	8260C
Styrene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
tert-Butylbenzene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Tetrachloroethene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
trans-1,2-Dichloroethene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
trans-1,3-Dichloropropene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Trichloroethene	mg/kg	< 21.5		4/11/13 16:04	A304197	8260C
Trichlorofluoromethane	mg/kg	< 107		4/11/13 16:04	A304197	8260C
Vinyl chloride	mg/kg	< 107		4/11/13 16:04	A304197	8260C
4-Bromofluorobenzene [surr]	%	104		4/11/13 16:04	A304197	8260C
1,2-Dichloroethane-d4 [surr]	%	84.0		4/11/13 16:04	A304197	8260C
Toluene-d8 [surr]	%	121		4/11/13 16:04	A304197	8260C

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15 April 2013

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Weston Solutions, Inc.
5599 San Felipe; Ste. 700
Houston, TX 77056
Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number:	**1304117-02**
Sample Name:	**PL02-61-20130405**
Date/Time Collected:	**4/5/13 14:56**
Sample Matrix:	**Oil**

Herbicides	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4-D	mg/kg	< 20.0		4/10/13 12:35	A304173	8151A
2,4,5-TP (Silvex)	mg/kg	< 5.00		4/10/13 12:35	A304173	8151A
DCAA [surr]	%	87.4		4/10/13 12:35	A304173	8151A

PCBs	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aroclor-1016	mg/kg	< 1.0	EDL6	4/10/13 11:14	A304158	8082A
Aroclor-1260	mg/kg	< 1.0	EDL6	4/10/13 11:14	A304158	8082A
Aroclor-1254	mg/kg	< 1.0	EDL6	4/10/13 11:14	A304158	8082A
Aroclor-1242	mg/kg	< 1.0	EDL6	4/10/13 11:14	A304158	8082A
Aroclor-1248	mg/kg	< 1.0	EDL6	4/10/13 11:14	A304158	8082A
TCMX [surr]	%	72.4		4/10/13 11:14	A304158	8082A
DCBP [surr]	%	90.9		4/10/13 11:14	A304158	8082A

Pesticides	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
4,4´-DDD	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
4,4´-DDE	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
4,4´-DDT	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
Aldrin	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
alpha-BHC	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
beta-BHC	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
delta-BHC	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
Dieldrin	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
Endrin ketone	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
Endosulfan I	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
Endosulfan II	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
Endosulfan sulfate	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
Endrin	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
Endrin aldehyde	mg/kg	< 4.00		4/11/13 12:09	A304196	8081B
gamma-BHC (Lindane)	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
Heptachlor	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
Heptachlor epoxide	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
Methoxychlor	mg/kg	< 20.0		4/11/13 12:09	A304196	8081B
Toxaphene	mg/kg	< 50.0		4/11/13 12:09	A304196	8081B
alpha-Chlordane	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
gamma-Chlordane	mg/kg	< 2.00		4/11/13 12:09	A304196	8081B
DCBP [surr]	%	88.3		4/11/13 12:09	A304196	8081B
TCMX [surr]	%	82.3		4/11/13 12:09	A304196	8081B

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4,5-Trichlorophenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2,4,6-Trichlorophenol	mg/kg	< 194	E5	4/11/13 16:26	A304198	8270D
2,4-Dichlorophenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2,4-Dimethylphenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2,4-Dinitrophenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D

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Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number: 1304117-02
Sample Name: PL02-61-20130405
Date/Time Collected: 4/5/13 14:56
Sample Matrix: Oil

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
2,4-Dinitrotoluene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2,6-Dinitrotoluene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2-Chloronaphthalene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2-Chlorophenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2-Methylnaphthalene	mg/kg	**300**		4/11/13 16:26	A304198	8270D
2-Methylphenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2-Nitroaniline	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2-Nitrophenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
3 & 4-Methylphenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
3,3-Dichlorobenzidine	mg/kg	< 194		4/11/13 16:26	A304198	8270D
3-Nitroaniline	mg/kg	< 194		4/11/13 16:26	A304198	8270D
4,6-Dinitro-2-methylphenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
4-Bromophenyl-phenylether	mg/kg	< 194		4/11/13 16:26	A304198	8270D
4-Chloro-3-methylphenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
4-Chloroaniline	mg/kg	< 194		4/11/13 16:26	A304198	8270D
4-Chlorophenyl-phenylether	mg/kg	< 194		4/11/13 16:26	A304198	8270D
4-Nitroaniline	mg/kg	< 194		4/11/13 16:26	A304198	8270D
4-Nitrophenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Acenaphthene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Acenaphthylene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Anthracene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Benzo (a) anthracene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Benzo[a]pyrene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Benzo[b]fluoranthene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Benzo[g,h,i]perylene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Benzo[k]fluoranthene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Bis(2-chloroethoxy)methane	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Bis(2-chloroethyl)ether	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Bis(2-ethylhexyl)phthalate	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Butylbenzylphthalate	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Carbazole	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Chrysene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Dibenz[a,h]anthracene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Dibenzofuran	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Diethylphthalate	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Dimethylphthalate	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Di-n-butylphthalate	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Di-n-octylphthalate	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Fluoranthene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Fluorene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Hexachlorobenzene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Hexachlorobutadiene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Hexachlorocyclopentadiene	mg/kg	< 194		4/11/13 16:26	A304198	8270D

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Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number:	**1304117-02**
Sample Name:	**PL02-61-20130405**
Date/Time Collected:	**4/5/13 14:56**
Sample Matrix:	**Oil**

Semivolatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Hexachloroethane	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Indeno[1,2,3-cd]pyrene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Isophorone	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Naphthalene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Nitrobenzene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
N-Nitroso-di-n-propylamine	mg/kg	< 194		4/11/13 16:26	A304198	8270D
N-Nitrosodiphenylamine/diphenylamine	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Pentachlorophenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Phenanthrene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Phenol	mg/kg	< 194		4/11/13 16:26	A304198	8270D
Pyrene	mg/kg	< 194		4/11/13 16:26	A304198	8270D
2,4,6-Tribromophenol [surr]	%	93.7		4/11/13 16:26	A304198	8270D
2-Fluorobiphenyl [surr]	%	90.8		4/11/13 16:26	A304198	8270D
2-Fluorophenol [surr]	%	84.8		4/11/13 16:26	A304198	8270D
Nitrobenzene-d5 [surr]	%	106		4/11/13 16:26	A304198	8270D
Phenol-d5 [surr]	%	102		4/11/13 16:26	A304198	8270D
Terphenyl-d14 [surr]	%	80.8		4/11/13 16:26	A304198	8270D

Total Metals	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
Aluminum	mg/kg	< 5.0		4/10/13 18:29	A304188	6010C
Antimony	mg/kg	< 2.39		4/10/13 18:29	A304188	6010C
Arsenic	mg/kg	< 2.39		4/10/13 18:29	A304188	6010C
Barium	mg/kg	**0.369**		4/10/13 18:29	A304188	6010C
Beryllium	mg/kg	< 0.239		4/10/13 18:29	A304188	6010C
Cadmium	mg/kg	< 0.239		4/10/13 18:29	A304188	6010C
Calcium	mg/kg	**18.0**		4/10/13 18:29	A304188	6010C
Chromium	mg/kg	< 1.91		4/10/13 18:29	A304188	6010C
Cobalt	mg/kg	< 0.477		4/10/13 18:29	A304188	6010C
Copper	mg/kg	< 2.39		4/10/13 18:29	A304188	6010C
Iron	mg/kg	**17.6**		4/10/13 18:29	A304188	6010C
Lead	mg/kg	< 5.00		4/10/13 18:29	A304188	6010C
Magnesium	mg/kg	< 4.77		4/10/13 18:29	A304188	6010C
Manganese	mg/kg	< 0.500		4/10/13 18:29	A304188	6010C
Mercury	mg/kg	< 0.250		4/10/13 16:16	A304184	7471B
Nickel	mg/kg	**3.75**		4/10/13 18:29	A304188	6010C
Potassium	mg/kg	**21.8**		4/10/13 18:29	A304188	6010C
Selenium	mg/kg	< 4.77		4/10/13 18:29	A304188	6010C
Silver	mg/kg	< 1.43		4/10/13 18:29	A304188	6010C
Sodium	mg/kg	< 47.7		4/10/13 18:29	A304188	6010C
Thallium	mg/kg	< 9.54		4/10/13 18:29	A304188	6010C
Vanadium	mg/kg	**29.9**		4/10/13 18:29	A304188	6010C
Zinc	mg/kg	**1.08**		4/10/13 18:29	A304188	6010C

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Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number:	**1304117-02**
Sample Name:	**PL02-61-20130405**
Date/Time Collected:	**4/5/13 14:56**
Sample Matrix:	**Oil**

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,3-Dimethylbenzene	mg/kg	**752**		4/11/13 14:47	A304197	8260C
1,4-Dimethylbenzene	mg/kg	**752**		4/11/13 14:47	A304197	8260C
Benzene	mg/kg	**995**		4/11/13 14:47	A304197	8260C
Toluene	mg/kg	**1960**		4/11/13 14:47	A304197	8260C
4-Bromofluorobenzene [surr]	%	97.0		4/11/13 14:47	A304197	8260C
1,2-Dichloroethane-d4 [surr]	%	104		4/11/13 14:47	A304197	8260C
Toluene-d8 [surr]	%	98.5		4/11/13 14:47	A304197	8260C

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Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number: 1304117-02RE2
Sample Name: PL02-61-20130405
Date/Time Collected: 4/5/13 14:56
Sample Matrix: Oil

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
1,1,1,2-Tetrachloroethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,1,1-Trichloroethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,1,2,2-Tetrachloroethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,1,2-Trichloroethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,1-Dichloroethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,1-Dichloroethene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,1-Dichloropropene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2,3-Trichlorobenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2,3-Trichloropropane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2,4- Trimethylbenzene	mg/kg	**414**		4/11/13 16:30	A304197	8260C
1,2,4-Trichlorobenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2-Dibromo-3-chloropropane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2-Dibromoethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2-Dichlorobenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2-Dichloroethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2-Dichloropropane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,2-Dimethylbenzene	mg/kg	**398**		4/11/13 16:30	A304197	8260C
1,3,5- Trimethylbenzene	mg/kg	**180**		4/11/13 16:30	A304197	8260C
1,3-Dichlorobenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,3-Dichloropropane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
1,4-Dichlorobenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
2,2-Dichloropropane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
2-Butanone	mg/kg	< 105	E-01	4/11/13 16:30	A304197	8260C
2-Chloroethyl Vinyl Ether	mg/kg	< 105		4/11/13 16:30	A304197	8260C
2-Chlorotoluene	mg/kg	**150**		4/11/13 16:30	A304197	8260C
2-Hexanone	mg/kg	**766**		4/11/13 16:30	A304197	8260C
4-Chlorotoluene	mg/kg	**23.5**		4/11/13 16:30	A304197	8260C
4-Methyl-2-pentanone	mg/kg	**789**		4/11/13 16:30	A304197	8260C
Acrolein	mg/kg	< 21.1	E5	4/11/13 16:30	A304197	8260C
Acrylonitrile	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Bromobenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Bromochloromethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Bromodichloromethane	mg/kg	**22.0**		4/11/13 16:30	A304197	8260C
Bromoform	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Bromomethane	mg/kg	< 105		4/11/13 16:30	A304197	8260C
Carbon disulfide	mg/kg	< 105		4/11/13 16:30	A304197	8260C
Carbon Tetrachloride	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Chlorobenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Chlorodibromomethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Chloroethane	mg/kg	< 105		4/11/13 16:30	A304197	8260C
Chloroform	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Chloromethane	mg/kg	**131**		4/11/13 16:30	A304197	8260C
cis-1,2-Dichloroethene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C

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Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

ANALYTICAL RESULTS

Lab Number: 1304117-02RE2
Sample Name: PL02-61-20130405
Date/Time Collected: 4/5/13 14:56
Sample Matrix: Oil

Volatiles	Units	Result	Qualifier(s)	Date/Time Analyzed	Batch	Method
cis-1,3-Dichloropropene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Dibromomethane	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Dichlorodifluoromethane	mg/kg	< 105		4/11/13 16:30	A304197	8260C
Ethylbenzene	mg/kg	**324**		4/11/13 16:30	A304197	8260C
Hexachlorobutadiene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Isopropylbenzene	mg/kg	**64.9**		4/11/13 16:30	A304197	8260C
Methylene Chloride	mg/kg	< 105		4/11/13 16:30	A304197	8260C
Methyl-tert-Butyl Ether	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Naphthalene	mg/kg	**56.0**		4/11/13 16:30	A304197	8260C
n-Butylbenzene	mg/kg	**102**	E4	4/11/13 16:30	A304197	8260C
n-Propylbenzene	mg/kg	**112**		4/11/13 16:30	A304197	8260C
p-Isopropyltoluene	mg/kg	**41.6**		4/11/13 16:30	A304197	8260C
sec-Butylbenzene	mg/kg	**42.9**		4/11/13 16:30	A304197	8260C
Styrene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
tert-Butylbenzene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Tetrachloroethene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
trans-1,2-Dichloroethene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
trans-1,3-Dichloropropene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Trichloroethene	mg/kg	< 21.1		4/11/13 16:30	A304197	8260C
Trichlorofluoromethane	mg/kg	< 105		4/11/13 16:30	A304197	8260C
Vinyl chloride	mg/kg	< 105		4/11/13 16:30	A304197	8260C
4-Bromofluorobenzene [surr]	%	92.8		4/11/13 16:30	A304197	8260C
1,2-Dichloroethane-d4 [surr]	%	75.3		4/11/13 16:30	A304197	8260C
Toluene-d8 [surr]	%	112		4/11/13 16:30	A304197	8260C

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Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

QUALITY CONTROL RESULTS

PCBs -- Batch: A304158 (Oil)
Prepared: 10-Apr-13 09:09 By: MB -- Analyzed: 10-Apr-13 13:07 By: MB

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
Aroclor-1016	<0.5 mg/kg	82.1%	/	NA	84.8%	/	84.0%		0.978%	
Aroclor-1260	<0.5 mg/kg	87.2%	/	NA	87.5%	/	88.4%		1.02%	
DCBP [surr]	95.8 %	95.8%	/	NA	99.4%	/	95.8%		NA	
TCMX [surr]	67.2 %	64.8%	/	NA	69.6%	/	68.0%		NA	

Herbicides -- Batch: A304173 (Oil)
Prepared: 10-Apr-13 09:00 By: MB -- Analyzed: 10-Apr-13 11:54 By: MB

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
2,4,5-TP (Silvex)	<5.00 mg/kg	95.6%	/	98.6%	101%	/	NA		3.16%	
2,4-D	<20.0 mg/kg	58.5%	/	58.7%	76.1%	/	NA		0.361%	
DCAA [surr]	74.0 %	71.8%	/	73.0%	87.0%	/	NA		NA	

Total Metals -- Batch: A304184 (Oil)
Prepared: 10-Apr-13 14:08 By: ST -- Analyzed: 10-Apr-13 16:14 By: ST

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
Mercury	<0.250 mg/kg	109%	/	NA	MBI	/	MBI		%	MBI

Total Metals -- Batch: A304188 (Oil)
Prepared: 10-Apr-13 15:44 By: MH -- Analyzed: 10-Apr-13 18:25 By: MH

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
Aluminum	<5.0 mg/kg	91.1%	/	NA	93.3%	/	89.8%		5.12%	
Antimony	<2.42 mg/kg	104%	/	NA	90.0%	/	87.7%		4.02%	
Arsenic	<2.42 mg/kg	95.2%	/	NA	96.3%	/	93.3%		4.53%	
Barium	<0.242 mg/kg	99.5%	/	NA	101%	/	97.3%		5.08%	
Beryllium	<0.242 mg/kg	88.5%	/	NA	89.9%	/	87.0%		4.65%	
Cadmium	<0.242 mg/kg	88.8%	/	NA	90.4%	/	87.7%		4.39%	
Calcium	<14.5 mg/kg	104%	/	NA	100%	/	97.4%		4.00%	
Chromium	<1.94 mg/kg	90.0%	/	NA	91.1%	/	88.1%		4.64%	
Cobalt	<0.484 mg/kg	91.2%	/	NA	92.9%	/	89.7%		4.78%	
Copper	<2.42 mg/kg	94.9%	/	NA	96.4%	/	93.4%		4.54%	
Iron	<14.5 mg/kg	90.9%	/	NA	84.5%	/	82.0%		4.27%	
Lead	<5.00 mg/kg	89.4%	/	NA	91.2%	/	88.2%		4.63%	
Magnesium	<4.84 mg/kg	90.1%	/	NA	92.3%	/	90.4%		3.44%	
Manganese	<0.500 mg/kg	87.1%	/	NA	88.2%	/	85.3%		4.67%	
Nickel	<0.48 mg/kg	92.9%	/	NA	95.4%	/	91.9%		4.98%	
Potassium	<4.84 mg/kg	82.9%	/	NA	83.6%	/	80.8%		4.66%	
Selenium	<4.84 mg/kg	86.6%	/	NA	84.1%	/	81.7%		4.30%	
Silver	<1.45 mg/kg	92.0%	/	NA	81.8%	/	81.9%		1.25%	
Sodium	<48.4 mg/kg	85.4%	/	NA	93.3%	/	87.9%		7.30%	
Thallium	<9.69 mg/kg	92.5%	/	NA	93.7%	/	88.5%		7.03%	
Vanadium	<0.969 mg/kg	91.0%	/	NA	96.0%	/	90.4%		5.98%	
Zinc	<0.250 mg/kg	93.6%	/	NA	96.2%	/	93.3%		4.39%	

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QUALITY CONTROL RESULTS

Pesticides -- Batch: A304196 (Oil)
Prepared: 11-Apr-13 10:00 By: MB -- Analyzed: 11-Apr-13 11:44 By: MB

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
4,4´-DDD	<0.040 mg/kg	107%	/	99.4%	114%	/	NA		7.40%	
4,4´-DDE	<0.040 mg/kg	104%	/	97.4%	109%	/	NA		6.15%	
4,4´-DDT	<0.040 mg/kg	111%	/	103%	116%	/	NA		7.63%	
Aldrin	<0.020 mg/kg	88.9%	/	89.2%	88.3%	/	NA		0.336%	
alpha-BHC	<0.020 mg/kg	96.2%	/	99.2%	96.0%	/	NA		3.08%	
beta-BHC	<0.020 mg/kg	97.9%	/	100%	98.5%	/	NA		2.18%	
delta-BHC	<0.020 mg/kg	99.3%	/	96.0%	102%	/	NA		3.44%	
Dieldrin	<0.040 mg/kg	101%	/	95.4%	108%	/	NA		5.28%	
Endosulfan I	<0.040 mg/kg	101%	/	96.4%	106%	/	NA		4.39%	
Endosulfan II	<0.040 mg/kg	111%	/	103%	120%	/	NA		7.06%	
Endosulfan sulfate	<0.040 mg/kg	102%	/	94.5%	116%	/	NA		7.24%	
Endrin	<0.040 mg/kg	94.1%	/	88.6%	105%	/	NA		5.95%	
Endrin aldehyde	<0.050 mg/kg	107%	/	99.4%	106%	/	NA		7.28%	
Endrin ketone	<0.020 mg/kg	104%	/	96.4%	112%	/	NA		7.52%	
gamma-BHC (Lindane)	<0.020 mg/kg	93.5%	/	95.0%	93.3%	/	NA		1.59%	
Heptachlor	<0.020 mg/kg	99.6%	/	102%	99.9%	/	NA		2.42%	
Heptachlor epoxide	<0.020 mg/kg	94.5%	/	94.7%	99.3%	/	NA		0.165%	
DCBP [surr]	102 %	106%	/	103%	110%	/	NA		NA	
TCMX [surr]	94.7 %	98.0%	/	102%	95.6%	/	NA		NA	

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QUALITY CONTROL RESULTS

Volatiles -- Batch: A304197 (Soil)
Prepared: 11-Apr-13 09:40 By: KR -- Analyzed: 11-Apr-13 13:29 By: KR

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	<0.005 mg/kg	105%	/	NA	113%	/	105%		7.81%	
1,1,1-Trichloroethane	<0.005 mg/kg	105%	/	NA	105%	/	101%		4.16%	
1,1,2,2-Tetrachloroethane	<0.005 mg/kg	83.9%	/	NA	108%	/	97.5%		9.91%	
1,1,2-Trichloroethane	<0.005 mg/kg	99.9%	/	NA	97.7%	/	92.6%		5.40%	
1,1-Dichloroethane	<0.005 mg/kg	102%	/	NA	106%	/	98.0%		8.05%	
1,1-Dichloroethene	<0.005 mg/kg	100%	/	NA	98.3%	/	103%		4.56%	
1,1-Dichloropropene	<0.005 mg/kg	98.7%	/	NA	106%	/	92.3%		13.8%	
1,2,3-Trichlorobenzene	<0.005 mg/kg	89.2%	/	NA	102%	/	93.3%		8.97%	
1,2,3-Trichloropropane	<0.005 mg/kg	84.8%	/	NA	103%	/	97.0%		6.35%	
1,2,4- Trimethylbenzene	<0.005 mg/kg	90.9%	/	NA	108%	/	100%		7.20%	
1,2,4-Trichlorobenzene	<0.005 mg/kg	90.5%	/	NA	112%	/	95.8%		15.3%	
1,2-Dibromo-3-chloropropane	<0.005 mg/kg	93.8%	/	NA	102%	/	96.5%		5.87%	
1,2-Dibromoethane	<0.005 mg/kg	98.5%	/	NA	107%	/	102%		4.53%	
1,2-Dichlorobenzene	<0.005 mg/kg	88.9%	/	NA	101%	/	92.2%		9.39%	
1,2-Dichloroethane	<0.005 mg/kg	97.0%	/	NA	102%	/	99.2%		2.48%	
1,2-Dichloropropane	<0.005 mg/kg	102%	/	NA	105%	/	96.6%		8.63%	
1,2-Dimethylbenzene	<0.005 mg/kg	90.2%	/	NA	105%	/	102%		2.79%	
1,3,5- Trimethylbenzene	<0.005 mg/kg	92.6%	/	NA	118%	/	95.9%		19.6%	
1,3-Dichlorobenzene	<0.005 mg/kg	98.4%	/	NA	103%	/	101%		2.28%	
1,3-Dichloropropane	<0.005 mg/kg	98.0%	/	NA	105%	/	97.7%		7.27%	
1,3-Dimethylbenzene	<0.005 mg/kg	101%	/	NA	107%	/	98.3%		7.06%	
1,4-Dichlorobenzene	<0.005 mg/kg	92.4%	/	NA	106%	/	98.4%		7.09%	
1,4-Dimethylbenzene	<0.005 mg/kg	101%	/	NA	107%	/	98.3%		7.06%	
2,2-Dichloropropane	<0.005 mg/kg	103%	/	NA	107%	/	94.7%		12.6%	
2-Butanone	<0.025 mg/kg	103%	/	NA	104%	/	101%		3.19%	E-01
2-Chloroethyl Vinyl Ether	<0.025 mg/kg	114%	/	NA	122%	/	109%		11.2%	
2-Chlorotoluene	<0.005 mg/kg	93.0%	/	NA	104%	/	95.2%		8.37%	
2-Hexanone	<0.005 mg/kg	119%	/	NA	115%	/	119%		3.43%	
4-Chlorotoluene	<0.005 mg/kg	94.2%	/	NA	110%	/	100%		9.72%	
4-Methyl-2-pentanone	<0.005 mg/kg	109%	/	NA	106%	/	107%		0.258%	
Acrolein	<0.005 mg/kg	102%	/	NA	99.2%	/	108%		8.53%	E5
Acrylonitrile	<0.005 mg/kg	105%	/	NA	97.4%	/	106%		8.16%	
Benzene	<0.005 mg/kg	105%	/	NA	101%	/	97.2%		3.24%	
Bromobenzene	<0.005 mg/kg	90.6%	/	NA	108%	/	99.3%		8.14%	
Bromochloromethane	<0.005 mg/kg	93.8%	/	NA	104%	/	95.4%		8.59%	
Bromodichloromethane	<0.005 mg/kg	105%	/	NA	100%	/	100%		0.0599%	
Bromoform	<0.005 mg/kg	97.8%	/	NA	103%	/	108%		4.59%	
Bromomethane	<0.025 mg/kg	101%	/	NA	91.4%	/	82.4%		10.3%	
Carbon disulfide	<0.025 mg/kg	115%	/	NA	113%	/	113%		0.305%	
Carbon Tetrachloride	<0.005 mg/kg	97.2%	/	NA	109%	/	99.2%		9.70%	
Chlorobenzene	<0.005 mg/kg	102%	/	NA	107%	/	102%		5.04%	
Chlorodibromomethane	<0.005 mg/kg	93.9%	/	NA	102%	/	96.1%		5.56%	
Chloroethane	<0.025 mg/kg	103%	/	NA	94.9%	/	94.3%		0.655%	
Chloroform	<0.005 mg/kg	99.8%	/	NA	110%	/	104%		5.58%	
Chloromethane	<0.025 mg/kg	96.3%	/	NA	91.3%	/	81.9%		10.3%	
cis-1,2-Dichloroethene	<0.005 mg/kg	98.4%	/	NA	109%	/	101%		6.94%	
cis-1,3-Dichloropropene	<0.005 mg/kg	96.6%	/	NA	105%	/	99.2%		5.24%	
Dibromomethane	<0.005 mg/kg	99.8%	/	NA	106%	/	98.5%		6.89%	

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QUALITY CONTROL RESULTS

Volatiles -- Batch: A304197 (Soil)

Prepared: 11-Apr-13 09:40 By: KR -- Analyzed: 11-Apr-13 13:29 By: KR

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
Dichlorodifluoromethane	<0.025 mg/kg	83.0%	/	NA	91.7%	/	82.2%		10.9%	
Ethylbenzene	<0.005 mg/kg	99.4%	/	NA	108%	/	101%		6.06%	
Hexachlorobutadiene	<0.005 mg/kg	93.3%	/	NA	118%	/	97.8%		19.0%	
Isopropylbenzene	<0.005 mg/kg	95.2%	/	NA	104%	/	106%		1.71%	
Methylene Chloride	<0.025 mg/kg	104%	/	NA	103%	/	113%		9.09%	
Methyl-tert-Butyl Ether	<0.005 mg/kg	103%	/	NA	97.6%	/	99.9%		2.32%	
Naphthalene	<0.005 mg/kg	93.2%	/	NA	115%	/	94.4%		19.7%	
n-Butylbenzene	<0.005 mg/kg	93.3%	/	NA	102%	/	98.2%		4.17%	
n-Propylbenzene	<0.005 mg/kg	94.2%	/	NA	117%	/	102%		13.5%	
p-Isopropyltoluene	<0.005 mg/kg	95.9%	/	NA	108%	/	102%		5.54%	
sec-Butylbenzene	<0.005 mg/kg	101%	/	NA	108%	/	104%		4.18%	
Styrene	<0.005 mg/kg	91.3%	/	NA	101%	/	109%		6.86%	
tert-Butylbenzene	<0.005 mg/kg	94.7%	/	NA	113%	/	100%		11.4%	
Tetrachloroethene	<0.005 mg/kg	102%	/	NA	99.7%	/	97.6%		2.07%	
Toluene	<0.005 mg/kg	98.9%	/	NA	91.2%	/	97.1%		4.20%	
trans-1,2-Dichloroethene	<0.005 mg/kg	103%	/	NA	106%	/	106%		0.580%	
trans-1,3-Dichloropropene	<0.005 mg/kg	103%	/	NA	104%	/	103%		0.847%	
Trichloroethene	<0.005 mg/kg	103%	/	NA	103%	/	102%		1.78%	
Trichlorofluoromethane	<0.025 mg/kg	97.4%	/	NA	107%	/	102%		5.32%	
Vinyl chloride	<0.025 mg/kg	90.7%	/	NA	93.7%	/	83.0%		12.1%	
1,2-Dichloroethane-d4 [surr]	106 %	102%	/	NA	102%	/	103%		NA	
4-Bromofluorobenzene [surr]	103 %	85.9%	/	NA	104%	/	94.8%		NA	
Toluene-d8 [surr]	110 %	104%	/	NA	97.4%	/	105%		NA	

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QUALITY CONTROL RESULTS

Semivolatiles -- Batch: A304198 (Oil)
Prepared: 11-Apr-13 10:00 By: TB -- Analyzed: 11-Apr-13 15:33 By: TB

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
2,4,5-Trichlorophenol	<200 mg/kg	96.4%	/	93.8%	93.4%	/	NA		2.69%	
2,4,6-Trichlorophenol	<200 mg/kg	71.4%	/	68.4%	77.9%	/	NA		4.28%	%D2
2,4-Dichlorophenol	<200 mg/kg	78.7%	/	84.6%	78.8%	/	NA		7.20%	
2,4-Dimethylphenol	<200 mg/kg	87.3%	/	85.7%	82.7%	/	NA		1.84%	
2,4-Dinitrophenol	<200 mg/kg	86.3%	/	89.1%	84.1%	/	NA		3.16%	
2,4-Dinitrotoluene	<200 mg/kg	115%	/	113%	102%	/	NA		2.05%	
2,6-Dinitrotoluene	<200 mg/kg	109%	/	101%	106%	/	NA		8.48%	
2-Chloronaphthalene	<200 mg/kg	89.9%	/	89.9%	93.2%	/	NA		0.00556%	
2-Chlorophenol	<200 mg/kg	98.2%	/	93.6%	97.9%	/	NA		4.79%	
2-Methylnaphthalene	<200 mg/kg	86.6%	/	87.6%	95.5%	/	NA		1.18%	
2-Methylphenol	<200 mg/kg	95.4%	/	94.3%	105%	/	NA		1.17%	
2-Nitroaniline	<200 mg/kg	117%	/	108%	103%	/	NA		7.98%	
2-Nitrophenol	<200 mg/kg	86.0%	/	83.8%	85.8%	/	NA		2.53%	
3 & 4-Methylphenol	<200 mg/kg	102%	/	98.0%	99.3%	/	NA		3.47%	
3,3-Dichlorobenzidine	<200 mg/kg	101%	/	89.5%	112%	/	NA		11.6%	
3-Nitroaniline	<200 mg/kg	97.4%	/	98.3%	98.1%	/	NA		0.941%	
4,6-Dinitro-2-methylphenol	<200 mg/kg	87.1%	/	95.9%	96.7%	/	NA		9.55%	
4-Bromophenyl-phenylether	<200 mg/kg	87.6%	/	88.9%	90.1%	/	NA		1.50%	
4-Chloro-3-methylphenol	<200 mg/kg	102%	/	95.6%	102%	/	NA		6.45%	
4-Chloroaniline	<200 mg/kg	79.2%	/	79.8%	78.2%	/	NA		0.818%	
4-Chlorophenyl-phenylether	<200 mg/kg	102%	/	98.2%	107%	/	NA		3.32%	
4-Nitroaniline	<200 mg/kg	117%	/	120%	108%	/	NA		2.14%	
4-Nitrophenol	<200 mg/kg	107%	/	100%	103%	/	NA		6.37%	
Acenaphthene	<200 mg/kg	92.3%	/	90.5%	95.8%	/	NA		1.95%	
Acenaphthylene	<200 mg/kg	97.6%	/	93.8%	98.9%	/	NA		3.90%	
Anthracene	<200 mg/kg	96.4%	/	97.8%	105%	/	NA		1.50%	
Benzo (a) anthracene	<200 mg/kg	105%	/	95.9%	117%	/	NA		9.34%	
Benzo[a]pyrene	<200 mg/kg	95.0%	/	94.2%	109%	/	NA		0.825%	
Benzo[b]fluoranthene	<200 mg/kg	90.9%	/	86.9%	101%	/	NA		4.50%	
Benzo[g,h,i]perylene	<200 mg/kg	94.8%	/	87.6%	124%	/	NA		7.87%	
Benzo[k]fluoranthene	<200 mg/kg	101%	/	87.8%	102%	/	NA		14.2%	
Bis(2-chloroethoxy)methane	<200 mg/kg	84.4%	/	88.9%	82.0%	/	NA		5.20%	
Bis(2-chloroethyl)ether	<200 mg/kg	105%	/	105%	101%	/	NA		0.129%	
Bis(2-ethylhexyl)phthalate	<200 mg/kg	105%	/	93.5%	104%	/	NA		11.9%	
Butylbenzylphthalate	<200 mg/kg	107%	/	95.0%	117%	/	NA		11.8%	
Carbazole	<200 mg/kg	95.7%	/	99.4%	107%	/	NA		3.75%	
Chrysene	<200 mg/kg	102%	/	86.0%	117%	/	NA		17.1%	
Dibenz[a,h]anthracene	<200 mg/kg	89.3%	/	88.5%	99.2%	/	NA		0.861%	
Dibenzofuran	<200 mg/kg	92.2%	/	88.3%	89.2%	/	NA		4.27%	
Diethylphthalate	<200 mg/kg	95.5%	/	93.3%	95.5%	/	NA		2.38%	
Dimethylphthalate	<200 mg/kg	93.5%	/	90.2%	99.1%	/	NA		3.54%	
Di-n-butylphthalate	<200 mg/kg	96.3%	/	92.7%	98.4%	/	NA		3.80%	
Di-n-octylphthalate	<200 mg/kg	87.5%	/	83.6%	98.1%	/	NA		4.50%	
Fluoranthene	<200 mg/kg	95.9%	/	96.6%	103%	/	NA		0.665%	
Fluorene	<200 mg/kg	95.0%	/	98.7%	104%	/	NA		3.86%	
Hexachlorobenzene	<200 mg/kg	103%	/	93.9%	83.4%	/	NA		9.63%	
Hexachlorobutadiene	<200 mg/kg	74.5%	/	79.0%	82.8%	/	NA		5.94%	
Hexachlorocyclopentadiene	<200 mg/kg	104%	/	91.8%	78.7%	/	NA		12.6%	

This report must be reproduced in its entirety.

15 April 2013

Kristie Warr
Weston Solutions, Inc.
5599 San Felipe; Ste. 700
Houston, TX 77056
Project: Pegasus Pipeline; Mayflower, AR

Date Received: 08-Apr-13 08:20

QUALITY CONTROL RESULTS

Semivolatiles -- Batch: A304198 (Oil)
Prepared: 11-Apr-13 10:00 By: TB -- Analyzed: 11-Apr-13 15:33 By: TB

Analyte	BLK	LCS / LCSD			MS / MSD			Dup	RPD	Qualifiers
Hexachloroethane	<200 mg/kg	100%	/	93.0%	115%	/	NA		7.40%	
Indeno[1,2,3-cd]pyrene	<200 mg/kg	91.3%	/	88.6%	109%	/	NA		3.01%	
Isophorone	<200 mg/kg	84.1%	/	85.3%	81.2%	/	NA		1.45%	
Naphthalene	<200 mg/kg	81.7%	/	81.7%	76.4%	/	NA		0.0184%	
Nitrobenzene	<200 mg/kg	82.7%	/	83.7%	73.9%	/	NA		1.12%	
N-Nitroso-di-n-propylamine	<200 mg/kg	99.2%	/	84.0%	88.2%	/	NA		16.6%	
N-Nitrosodiphenylamine/diphenylamine	<200 mg/kg	92.5%	/	89.6%	106%	/	NA		3.15%	
Pentachlorophenol	<200 mg/kg	85.7%	/	82.9%	92.0%	/	NA		3.37%	
Phenanthrene	<200 mg/kg	94.8%	/	96.2%	102%	/	NA		1.50%	
Phenol	<200 mg/kg	110%	/	105%	108%	/	NA		4.27%	
Pyrene	<200 mg/kg	98.3%	/	85.5%	122%	/	NA		13.9%	
2,4,6-Tribromophenol [surr]	98.2 %	116%	/	94.9%	86.7%	/	NA		NA	
2-Fluorobiphenyl [surr]	101 %	100%	/	94.4%	101%	/	NA		NA	
2-Fluorophenol [surr]	97.7 %	93.1%	/	88.2%	92.9%	/	NA		NA	
Nitrobenzene-d5 [surr]	105 %	86.6%	/	88.0%	90.9%	/	NA		NA	
Phenol-d5 [surr]	109 %	103%	/	101%	109%	/	NA		NA	
Terphenyl-d14 [surr]	83.2 %	101%	/	93.5%	113%	/	NA		NA	

QUALIFIER(S)

*%D2:	LCS Percent Recovery Does Not Meet Laboratory Acceptance Criteria
*E-01:	Estimated Result; This Analyte Failed "High" in the CCV; If the sample is non-detect for this analyte, the CCV demonstrated the analyte would have been detected were it present.
*E20:	Estimated Result Due to Matrix Spike and/or Matrix Spike Duplicate Failure; This sample was used as the "parent sample" in MS/MSD prep.
*E4:	Estimated Result Due to Matrix Interference
*E5:	Estimated Result Due to Quality Control Failure
*EDL6:	Elevated detection limit due to sample matrix.
*MBI:	Masked By Interference

All Analysis performed according to EPA approved methodology when available:
SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by: Norma James

Norma James
President

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USEPA
DateShipped: 4/8/2013
CarrierName: Hand Carried
AirbillNo: Hand Carried

CHAIN OF CUSTODY RECORD
Mayflower AR Pegasus Pipeline
Contact Name: Kristie Warr
Contact Phone: 713.985.6636 (832.444.7976)

No: 6-040513-180259-0001
Cooler #:
Lab: Arkansas Analytical
Lab Phone: 501-455-3233

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	PL01-61-20130405	PL01	TCL, TAL +Hg, Gravities	OIL	4/5/2013	14:00	1	8oz jar	None	
	PL02-61-20130405	PL02	TCL, TAL +Hg, Gravities	OIL	4/5/2013	14:56	1	8oz jar	None	
			* TCL →							
			VOCs							
			SVOCs							
			Pesticides							
			PCBs							
			Herbicides							
			* TAL →							
			TAL Metals							
			* Gravities →							
			Specific gravity							
			API Gravity							

> to be subcontracted to American Interplex - 4/9/13 - (8)

Special Instructions: * 5 day TAT; Level 4 deliverable

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Samples	Thomas Autry	4/06/2013	Hera Parnell	04/06/2013	11:26						
Samples	Hera Parnell	04/08/2013									
	Amanda Wilds		4/8/13 0820								

Custody Seals: Yes No
Containers Correct
COC/Labels Agree
Preservation Confirmed
Received on Ice

* All revisions made by Kristie Warr 4/8/2013
KWarr

Arkansas Analytical Inc.
11701 Interstate 30, Bldg. 1, Ste. 115
Little Rock, AR 72209
p - 501-455-3233, f - 501-455-6118

PLEASE FIND ATTACHED RESULTS FOR SUBCONTRACTED ANALYSIS.

SUBCONTRACTED ANALYSIS: Gravities - API Gravity-ASTM D287, Specific Gravity-ASTM 5355

SUBCONTRACT LAB: American Interplex

AR ANALYTICAL SDG NUMBER: 1304117 - 01-02

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Arkansas Analytical, Inc.
ATTN: Ms. Norma James
11701 I-30, Building 1, Suite 115
Little Rock, AR 72209

This report contains the analytical results for samples submitted on April 10, 2013. Any documents received are included at the end of the report. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report has been reviewed by the Laboratory Director or a qualified designee.

John Overbey
Laboratory Director

This document has been distributed to the following:

PDF cc: Arkansas Analytical, Inc.
ATTN: Ms. Sydney James
sjames@arkansasanalytical.com

Arkansas Analytical, Inc.
ATTN: Ms. Norma James
njames@arkansasanalytical.com

AMERICAN INTERPLEX CORPORATION
LABORATORIES

Arkansas Analytical, Inc.
11701 I-30, Building 1, Suite 115
Little Rock, AR 72209

ANALYTICAL RESULTS

AIC No. 166441-1
Sample Identification: 1304117-01 (PL01-61-20130405) 4/5/2013 1400

Analyte	Method	Result	Units
Specific gravity at 60 deg.F	ASTM D1217-81	0.928	
API Gravity at 60 deg.F	ASTM D287 calculation	21	

AIC No. 166441-2
Sample Identification: 1304117-02 (PL02-61-20130405) 4/5/2013 1456

Analyte	Method	Result	Units
Specific gravity at 60 deg.F	ASTM D1217-81	0.927	
API Gravity at 60 deg.F	ASTM D287 calculation	21	

Arkansas Analytical Inc.
11701 Interstate 30, Bldg. 1, Ste. 115
Little Rock, AR 72209
PHONE: 501-455-3233
FAX: 501-455-6118

SUBCONTRACT CHAIN OF CUSTODY RECORD 166441

CLIENT INFORMATION	Project Description	Turnaround Time	Preservation Codes:
Arkansas Analytical, Inc.	1304117	24 Hour	1. Cool, 4 Degrees Centigrade; 4. Thiosulfate for Dechlorination
11701 Interestate 30, Bldg. 1, Ste. 115	Gravity Samples	48 Hour	2. Sulfuric Acid (H_2SO_4), pH < 2; 5. Hydrochloric Acid(HCl)
Little Rock, AR 72209	Reporting Information	72 Hour	3. Nitric Acid (HNO_3), pH < 2; 6. Sodium Hydroxide (NaOH), pH > 12
	Telephone: 501-455-3233	Routine	
Attn: Norma James	Fax: 501-455-6118	Preservative Code:	None, None
		Bottle Type:	G, G

TEST PARAMETERS: API Gravity - ASTM D287; Specific Gravity - ASTM 5355

Bottle Type Code: G = Glass; P = Plastic; V = Septum; A = Amber

Field Number	SAMPLE COLLECTION Date/s	Time/s	Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION	API Gravity - ASTM D287	Specific Gravity - ASTM 5355	Lab Number:
1	4/5/2013	1400	X		1	Oil	1304117-01 (PL01-61-20130405)	X	X	
2	4/5/2013	1456	X		1	Oil	1304117-02 (PL02-61-20130405)	X	X	

1. Relinquished by: (Signature)	Date/Time	2. Received by: (Signature)
Sydney James	4/9/13, 1530	FedEx
3. Relinquished by: (Signature)	**Date/Time**	**4. Received by lab: (Signature)**
FedEx		Eugene Hopkins 4-10-13 1130

SAMPLE CONDITION UPON RECEIPT IN LAB

1. CUSTODY SEALS: ✓ Yes ___ No
2. CONTAINERS CORRECT: ✓ Yes ___ No
3. COC/LABELS AGREE: ✓ Yes ___ No
4. PRESERVATION CONFIRMED: ___ Yes ___ No
5. RECEIVED ON ICE: ___ Yes ✓ No
6. TEMPERATURE ON RECEIPT: 23.3°C

FOR COMPLETION BY LAB ONLY

REMARKS / SAMPLE COMMENTS

Please Email Results :
njames@arkansasanalytical.com
sjames@arkansasanalytical.com

(9612019) 1012684 15030182

Revision 2
8/2/11