Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

August 27, 2014

Kyle Lawrence
Center for Toxicology and Environmental Health, LLC
8781 Sheridan Blvd #140
Arvada, CO 80005

RE: Project: 106460 Red River Supply
Pace Project No.: 10278207

Dear Kyle Lawrence:
Enclosed are the analytical results for sample(s) received by the laboratory on August 19, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kabor Xiong
kabor.xiong@pacelabs.com
Project Manager

Enclosures

cc: Scott Kluska, CTEH
Jeff LaRock, CTEH
Lab Results

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CERTIFICATIONS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alabama Certification #40770
Alabama Certification #40770
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #: Pace
Georgia Certification #: 959
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nebraska Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
Wisconsin Certification #: 999407970
West Virginia Certification #: 382
West Virginia DHHR #:9952C

Dallas Certification IDs:
400 West Bethany Dr Suite 190 75013 Allen TX 75013
Texas Certification #: T104704232-13-5
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 2012-080
Louisiana Certification #: 02007

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SAMPLE SUMMARY

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10278207001	**0817WP13A**	Solid	08/17/14 16:15	08/19/14 11:50
10278207002	**0817WP13B**	Solid	08/17/14 16:15	08/19/14 11:50
10278207003	**0817WP13C**	Solid	08/17/14 16:15	08/19/14 11:50
10278207004	**0817WP13D**	Solid	08/17/14 16:15	08/19/14 11:50
10278207005	**0817WP12A**	Solid	08/17/14 16:40	08/19/14 11:50
10278207006	**0817WP12B**	Solid	08/17/14 16:40	08/19/14 11:50
10278207007	**0817WP11A**	Solid	08/17/14 17:00	08/19/14 11:50
10278207008	**0817WP11B**	Solid	08/17/14 17:00	08/19/14 11:50
10278207009	**0817WP11C**	Solid	08/17/14 17:00	08/19/14 11:50
10278207010	**0817WP11D**	Solid	08/17/14 17:00	08/19/14 11:50
10278207011	**0817WP11E**	Solid	08/17/14 17:00	08/19/14 11:50
10278207012	**0817WP11F**	Solid	08/17/14 17:00	08/19/14 11:50
10278207013	**0817WP11G**	Solid	08/17/14 17:00	08/19/14 11:50
10278207014	**0817WP11H**	Solid	08/17/14 17:00	08/19/14 11:50
10278207015	**0817WP10A**	Solid	08/17/14 17:30	08/19/14 11:50
10278207016	**0817WP10B**	Solid	08/17/14 17:30	08/19/14 11:50
10278207017	**0817WP10C**	Solid	08/17/14 17:30	08/19/14 11:50
10278207018	**0817WP10D**	Solid	08/17/14 17:30	08/19/14 11:50
10278207019	**0817WP10E**	Solid	08/17/14 17:30	08/19/14 11:50
10278207020	**0817WP10F**	Solid	08/17/14 17:30	08/19/14 11:50
10278207021	**0817WP10G**	Solid	08/17/14 17:30	08/19/14 11:50
10278207022	**0817WP10H**	Solid	08/17/14 17:30	08/19/14 11:50

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SAMPLE ANALYTE COUNT

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10278207001	**0817WP13A**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207002	**0817WP13B**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207003	**0817WP13C**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207004	**0817WP13D**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207005	**0817WP12A**	EPA 8015 Modified	JRH	4	PASI-M

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SAMPLE ANALYTE COUNT

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207006	**0817WP12B**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207007	**0817WP11A**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207008	**0817WP11B**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207009	**0817WP11C**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		EPA 8260	AJC	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207010	**0817WP11D**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207011	**0817WP11E**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207012	**0817WP11F**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207013	**0817WP11G**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D

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SAMPLE ANALYTE COUNT

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207014	**0817WP11H**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207015	**0817WP10A**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207016	**0817WP10B**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207017	**0817WP10C**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207018	**0817WP10D**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M

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SAMPLE ANALYTE COUNT

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207019	**0817WP10E**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207020	**0817WP10F**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8270	JLR	18	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207021	**0817WP10G**	EPA 8015 Modified	MT	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8260	SH2	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D
10278207022	**0817WP10H**	EPA 8015 Modified	MT	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		ASTM D2974	AMP	1	PASI-M
		EPA 8260	SH2	14	PASI-M
		1030	MRU	1	PASI-D
		SW-846 7.3.4.2	MRU	1	PASI-D
		EPA 9045	BAF	1	PASI-D
		SW-846 7.3.3.2	MRU	1	PASI-D

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13A **Lab ID: 10278207001** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**902**	mg/kg	249	20	08/20/14 10:11	08/23/14 19:39		
TPH-DRO (C10-C28)	**1210**	mg/kg	249	20	08/20/14 10:11	08/23/14 19:39		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	20	08/20/14 10:11	08/23/14 19:39	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	20	08/20/14 10:11	08/23/14 19:39	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	6.1	1	08/20/14 13:58	08/23/14 06:42		
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%.	68-135	1	08/20/14 13:58	08/23/14 06:42	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**19.6**	%	0.10	1		08/22/14 16:21		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 10.77; Final pH: 5.3							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/24/14 23:18	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	67	%.	35-125	1	08/22/14 11:00	08/24/14 23:18	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	60-125	1	08/22/14 11:00	08/24/14 23:18	321-60-8	
Terphenyl-d14 (S)	86	%.	57-125	1	08/22/14 11:00	08/24/14 23:18	1718-51-0	
Phenol-d6 (S)	56	%.	48-125	1	08/22/14 11:00	08/24/14 23:18	13127-88-3	
2-Fluorophenol (S)	60	%.	49-125	1	08/22/14 11:00	08/24/14 23:18	367-12-4	
2,4,6-Tribromophenol (S)	73	%.	58-125	1	08/22/14 11:00	08/24/14 23:18	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 14:28	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 14:28	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 14:28	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 14:28	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 14:28	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 14:28	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 14:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 14:28	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 14:28	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13A **Lab ID: 10278207001** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 14:28	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 14:28	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		08/22/14 14:28	17060-07-0	
Toluene-d8 (S)	105	%.	75-125	1		08/22/14 14:28	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		08/22/14 14:28	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 09:06	08/22/14 11:31		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**10.4**	Std. Units	0.10	1		08/22/14 13:30		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 09:06	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13B **Lab ID: 10278207002** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**400**	mg/kg	236	20	08/20/14 10:11	08/23/14 20:25		
TPH-DRO (C10-C28)	**502**	mg/kg	236	20	08/20/14 10:11	08/23/14 20:25		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	20	08/20/14 10:11	08/23/14 20:25	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	20	08/20/14 10:11	08/23/14 20:25	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.8	1	08/20/14 13:58	08/23/14 07:04		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	68-135	1	08/20/14 13:58	08/23/14 07:04	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**15.2**	%	0.10	1		08/22/14 16:21		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 10.64; Final pH: 2.05							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/24/14 23:48	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/24/14 23:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%.	35-125	1	08/22/14 11:00	08/24/14 23:48	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	60-125	1	08/22/14 11:00	08/24/14 23:48	321-60-8	
Terphenyl-d14 (S)	88	%.	57-125	1	08/22/14 11:00	08/24/14 23:48	1718-51-0	
Phenol-d6 (S)	69	%.	48-125	1	08/22/14 11:00	08/24/14 23:48	13127-88-3	
2-Fluorophenol (S)	69	%.	49-125	1	08/22/14 11:00	08/24/14 23:48	367-12-4	
2,4,6-Tribromophenol (S)	74	%.	58-125	1	08/22/14 11:00	08/24/14 23:48	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 14:43	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 14:43	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 14:43	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 14:43	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 14:43	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 14:43	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 14:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 14:43	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 14:43	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13B **Lab ID: 10278207002** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 14:43	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 14:43	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		08/22/14 14:43	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		08/22/14 14:43	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		08/22/14 14:43	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 09:06	08/22/14 11:31		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**10.6**	Std. Units	0.10	1		08/22/14 13:33		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 09:06	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13C **Lab ID: 10278207003** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**955**	mg/kg	591	50	08/20/14 10:11	08/23/14 19:16		
TPH-DRO (C10-C28)	**1070**	mg/kg	591	50	08/20/14 10:11	08/23/14 19:16		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	50	08/20/14 10:11	08/23/14 19:16	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	50	08/20/14 10:11	08/23/14 19:16	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.8	1	08/20/14 13:58	08/23/14 07:27		
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%.	68-135	1	08/20/14 13:58	08/23/14 07:27	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**15.4**	%	0.10	1		08/22/14 16:21		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 11.08; Final pH: 2.61							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/25/14 00:17	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:17	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	74	%.	35-125	1	08/22/14 11:00	08/25/14 00:17	4165-60-0	
2-Fluorobiphenyl (S)	73	%.	60-125	1	08/22/14 11:00	08/25/14 00:17	321-60-8	
Terphenyl-d14 (S)	91	%.	57-125	1	08/22/14 11:00	08/25/14 00:17	1718-51-0	
Phenol-d6 (S)	73	%.	48-125	1	08/22/14 11:00	08/25/14 00:17	13127-88-3	
2-Fluorophenol (S)	71	%.	49-125	1	08/22/14 11:00	08/25/14 00:17	367-12-4	
2,4,6-Tribromophenol (S)	74	%.	58-125	1	08/22/14 11:00	08/25/14 00:17	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 14:57	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 14:57	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 14:57	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 14:57	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 14:57	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 14:57	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 14:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 14:57	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 14:57	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13C **Lab ID: 10278207003** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 14:57	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 14:57	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/22/14 14:57	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		08/22/14 14:57	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		08/22/14 14:57	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 09:06	08/22/14 11:45		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.0**	Std. Units	0.10	1		08/22/14 13:34		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 09:06	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13D **Lab ID: 10278207004** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**416**	mg/kg	255	20	08/20/14 10:11	08/23/14 20:02		
TPH-DRO (C10-C28)	**509**	mg/kg	255	20	08/20/14 10:11	08/23/14 20:02		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	20	08/20/14 10:11	08/23/14 20:02	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	20	08/20/14 10:11	08/23/14 20:02	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	6.4	1	08/20/14 13:58	08/25/14 17:24		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	68-135	1	08/20/14 13:58	08/25/14 17:24	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**22.2**	%	0.10	1		08/22/14 16:22		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 10.47; Final pH: 2.77							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/25/14 00:47	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 00:47	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	78	%.	35-125	1	08/22/14 11:00	08/25/14 00:47	4165-60-0	
2-Fluorobiphenyl (S)	77	%.	60-125	1	08/22/14 11:00	08/25/14 00:47	321-60-8	
Terphenyl-d14 (S)	90	%.	57-125	1	08/22/14 11:00	08/25/14 00:47	1718-51-0	
Phenol-d6 (S)	75	%.	48-125	1	08/22/14 11:00	08/25/14 00:47	13127-88-3	
2-Fluorophenol (S)	74	%.	49-125	1	08/22/14 11:00	08/25/14 00:47	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	58-125	1	08/22/14 11:00	08/25/14 00:47	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 15:41	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 15:41	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 15:41	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 15:41	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 15:41	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 15:41	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 15:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 15:41	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 15:41	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP13D **Lab ID: 10278207004** Collected: 08/17/14 16:15 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 15:41	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 15:41	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		08/22/14 15:41	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		08/22/14 15:41	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		08/22/14 15:41	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 09:55	08/22/14 11:45		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.0**	Std. Units	0.10	1		08/22/14 13:44		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 09:55	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP12A **Lab ID: 10278207005** Collected: 08/17/14 16:40 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**830**	mg/kg	105	10	08/20/14 10:11	08/23/14 21:35		
TPH-DRO (C10-C28)	**807**	mg/kg	105	10	08/20/14 10:11	08/23/14 21:35		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	10	08/20/14 10:11	08/23/14 21:35	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	10	08/20/14 10:11	08/23/14 21:35	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.2	1	08/20/14 13:58	08/25/14 17:47		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 17:47	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**4.6**	%	0.10	1		08/22/14 16:22		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 11.36; Final pH: 1.75							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/25/14 01:17	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:17	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	74	%.	35-125	1	08/22/14 11:00	08/25/14 01:17	4165-60-0	
2-Fluorobiphenyl (S)	76	%.	60-125	1	08/22/14 11:00	08/25/14 01:17	321-60-8	
Terphenyl-d14 (S)	91	%.	57-125	1	08/22/14 11:00	08/25/14 01:17	1718-51-0	
Phenol-d6 (S)	70	%.	48-125	1	08/22/14 11:00	08/25/14 01:17	13127-88-3	
2-Fluorophenol (S)	70	%.	49-125	1	08/22/14 11:00	08/25/14 01:17	367-12-4	
2,4,6-Tribromophenol (S)	77	%.	58-125	1	08/22/14 11:00	08/25/14 01:17	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 15:57	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 15:57	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 15:57	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 15:57	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 15:57	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 15:57	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 15:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 15:57	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 15:57	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP12A **Lab ID: 10278207005** Collected: 08/17/14 16:40 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 15:57	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 15:57	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/22/14 15:57	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		08/22/14 15:57	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		08/22/14 15:57	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 09:55	08/22/14 11:45		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.4**	Std. Units	0.10	1		08/22/14 13:47		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 09:55	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP12B **Lab ID: 10278207006** Collected: 08/17/14 16:40 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	ND	mg/kg	11.6	1	08/20/14 10:11	08/24/14 01:03		
TPH-DRO (C10-C28)	ND	mg/kg	11.6	1	08/20/14 10:11	08/24/14 01:03		
Surrogates								
o-Terphenyl (S)	99	%.	30-150	1	08/20/14 10:11	08/24/14 01:03	84-15-1	
n-Triacontane (S)	89	%.	30-147	1	08/20/14 10:11	08/24/14 01:03	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.8	1	08/20/14 13:58	08/25/14 18:09		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	68-135	1	08/20/14 13:58	08/25/14 18:09	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**14.0**	%	0.10	1		08/22/14 16:22		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 11.2; Final pH: 1.33							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/25/14 01:48	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 01:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	62	%.	35-125	1	08/22/14 11:00	08/25/14 01:48	4165-60-0	
2-Fluorobiphenyl (S)	69	%.	60-125	1	08/22/14 11:00	08/25/14 01:48	321-60-8	
Terphenyl-d14 (S)	85	%.	57-125	1	08/22/14 11:00	08/25/14 01:48	1718-51-0	
Phenol-d6 (S)	53	%.	48-125	1	08/22/14 11:00	08/25/14 01:48	13127-88-3	
2-Fluorophenol (S)	53	%.	49-125	1	08/22/14 11:00	08/25/14 01:48	367-12-4	
2,4,6-Tribromophenol (S)	67	%.	58-125	1	08/22/14 11:00	08/25/14 01:48	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 16:12	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 16:12	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 16:12	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 16:12	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 16:12	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 16:12	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 16:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 16:12	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 16:12	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP12B **Lab ID: 10278207006** Collected: 08/17/14 16:40 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 16:12	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 16:12	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/22/14 16:12	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		08/22/14 16:12	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		08/22/14 16:12	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 09:55	08/22/14 11:45		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.9**	Std. Units	0.10	1		08/22/14 13:50		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 09:55	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11A **Lab ID: 10278207007** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**266**	mg/kg	10.4	1	08/20/14 10:11	08/23/14 16:57		
TPH-DRO (C10-C28)	**127**	mg/kg	10.4	1	08/20/14 10:11	08/23/14 16:57		
Surrogates								
o-Terphenyl (S)	116	%.	30-150	1	08/20/14 10:11	08/23/14 16:57	84-15-1	
n-Triacontane (S)	85	%.	30-147	1	08/20/14 10:11	08/23/14 16:57	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	**8.8**	mg/kg	5.0	1	08/20/14 13:58	08/23/14 05:35		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	68-135	1	08/20/14 13:58	08/23/14 05:35	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**4.3**	%	0.10	1		08/22/14 16:22		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 11.53; Final pH: 1.61							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/25/14 02:18	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	61	%.	35-125	1	08/22/14 11:00	08/25/14 02:18	4165-60-0	
2-Fluorobiphenyl (S)	64	%.	60-125	1	08/22/14 11:00	08/25/14 02:18	321-60-8	
Terphenyl-d14 (S)	77	%.	57-125	1	08/22/14 11:00	08/25/14 02:18	1718-51-0	
Phenol-d6 (S)	60	%.	48-125	1	08/22/14 11:00	08/25/14 02:18	13127-88-3	
2-Fluorophenol (S)	55	%.	49-125	1	08/22/14 11:00	08/25/14 02:18	367-12-4	
2,4,6-Tribromophenol (S)	64	%.	58-125	1	08/22/14 11:00	08/25/14 02:18	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 16:27	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 16:27	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 16:27	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 16:27	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 16:27	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 16:27	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 16:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 16:27	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 16:27	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11A **Lab ID: 10278207007** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 16:27	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 16:27	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/22/14 16:27	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		08/22/14 16:27	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1		08/22/14 16:27	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 09:55	08/22/14 11:45		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.8**	Std. Units	0.10	1		08/22/14 13:51		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 09:55	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11B **Lab ID: 10278207008** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**408**	mg/kg	10.5	1	08/20/14 10:11	08/23/14 16:34		
TPH-DRO (C10-C28)	**279**	mg/kg	10.5	1	08/20/14 10:11	08/23/14 16:34		
Surrogates								
o-Terphenyl (S)	158	%.	30-150	1	08/20/14 10:11	08/23/14 16:34	84-15-1	S5
n-Triacontane (S)	95	%.	30-147	1	08/20/14 10:11	08/23/14 16:34	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	**5.9**	mg/kg	5.2	1	08/20/14 13:58	08/23/14 05:57		
Surrogates								
a,a,a-Trifluorotoluene (S)	96	%.	68-135	1	08/20/14 13:58	08/23/14 05:57	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**4.4**	%	0.10	1		08/22/14 16:23		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 11.53; Final pH: 1.76							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/25/14 02:48	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 02:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	78	%.	35-125	1	08/22/14 11:00	08/25/14 02:48	4165-60-0	
2-Fluorobiphenyl (S)	78	%.	60-125	1	08/22/14 11:00	08/25/14 02:48	321-60-8	
Terphenyl-d14 (S)	89	%.	57-125	1	08/22/14 11:00	08/25/14 02:48	1718-51-0	
Phenol-d6 (S)	74	%.	48-125	1	08/22/14 11:00	08/25/14 02:48	13127-88-3	
2-Fluorophenol (S)	71	%.	49-125	1	08/22/14 11:00	08/25/14 02:48	367-12-4	
2,4,6-Tribromophenol (S)	73	%.	58-125	1	08/22/14 11:00	08/25/14 02:48	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 16:41	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 16:41	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 16:41	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 16:41	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 16:41	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 16:41	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 16:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 16:41	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 16:41	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11B **Lab ID: 10278207008** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 16:41	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 16:41	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/22/14 16:41	17060-07-0	
Toluene-d8 (S)	105	%.	75-125	1		08/22/14 16:41	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1		08/22/14 16:41	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 10:54	08/22/14 11:56		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.9**	Std. Units	0.10	1		08/22/14 13:52		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 10:54	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11C **Lab ID: 10278207009** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**72.2**	mg/kg	10.2	1	08/20/14 10:11	08/24/14 12:49		
TPH-DRO (C10-C28)	**51.8**	mg/kg	10.2	1	08/20/14 10:11	08/24/14 12:49		
Surrogates								
o-Terphenyl (S)	92	%.	30-150	1	08/20/14 10:11	08/24/14 12:49	84-15-1	
n-Triacontane (S)	84	%.	30-147	1	08/20/14 10:11	08/24/14 12:49	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.1	1	08/20/14 13:58	08/25/14 16:39		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 16:39	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**3.2**	%	0.10	1		08/22/14 16:23		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/22/14 10:01 Initial pH: 11.76; Final pH: 1.62							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18		
Nitrobenzene	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/22/14 11:00	08/25/14 03:18	87-86-5	
Pyridine	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/22/14 11:00	08/25/14 03:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%.	35-125	1	08/22/14 11:00	08/25/14 03:18	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	60-125	1	08/22/14 11:00	08/25/14 03:18	321-60-8	
Terphenyl-d14 (S)	87	%.	57-125	1	08/22/14 11:00	08/25/14 03:18	1718-51-0	
Phenol-d6 (S)	71	%.	48-125	1	08/22/14 11:00	08/25/14 03:18	13127-88-3	
2-Fluorophenol (S)	69	%.	49-125	1	08/22/14 11:00	08/25/14 03:18	367-12-4	
2,4,6-Tribromophenol (S)	75	%.	58-125	1	08/22/14 11:00	08/25/14 03:18	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Benzene	ND	ug/L	25.0	1		08/22/14 16:56	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/22/14 16:56	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/22/14 16:56	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/22/14 16:56	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/22/14 16:56	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/22/14 16:56	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/22/14 16:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/22/14 16:56	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/22/14 16:56	127-18-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11C **Lab ID: 10278207009** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/22/14 08:49							
Trichloroethene	ND	ug/L	10.0	1		08/22/14 16:56	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/22/14 16:56	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		08/22/14 16:56	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		08/22/14 16:56	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		08/22/14 16:56	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 10:54	08/22/14 11:56		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**12.0**	Std. Units	0.10	1		08/22/14 13:53		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 10:54	08/22/14 12:37		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11D **Lab ID: 10278207010** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**17.3**	mg/kg	10.3	1	08/20/14 10:11	08/23/14 15:25		M1,R1
TPH-DRO (C10-C28)	**12.2**	mg/kg	10.3	1	08/20/14 10:11	08/23/14 15:25		M1,R1
Surrogates								
o-Terphenyl (S)	93	%.	30-150	1	08/20/14 10:11	08/23/14 15:25	84-15-1	
n-Triacontane (S)	86	%.	30-147	1	08/20/14 10:11	08/23/14 15:25	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	**5.5**	mg/kg	5.0	1	08/20/14 13:58	08/25/14 18:31		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 18:31	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**3.4**	%	0.10	1		08/22/14 17:11		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:11 Initial pH: 11.36; Final pH: 1.59							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 13:39	87-86-5	M1
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	95-95-4	M1
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 13:39	88-06-2	M1
Surrogates								
Nitrobenzene-d5 (S)	67	%.	35-125	1	08/25/14 07:42	08/26/14 13:39	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	60-125	1	08/25/14 07:42	08/26/14 13:39	321-60-8	
Terphenyl-d14 (S)	85	%.	57-125	1	08/25/14 07:42	08/26/14 13:39	1718-51-0	
Phenol-d6 (S)	57	%.	48-125	1	08/25/14 07:42	08/26/14 13:39	13127-88-3	
2-Fluorophenol (S)	31	%.	49-125	1	08/25/14 07:42	08/26/14 13:39	367-12-4	1M,S0
2,4,6-Tribromophenol (S)	35	%.	58-125	1	08/25/14 07:42	08/26/14 13:39	118-79-6	1M,S0
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 10:54	08/22/14 11:56		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**12.0**	Std. Units	0.10	1		08/22/14 13:55		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11D **Lab ID: 10278207010** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 10:54	08/22/14 12:38		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11E **Lab ID: 10278207011** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**26.5**	mg/kg	10.3	1	08/20/14 10:11	08/24/14 00:17		
TPH-DRO (C10-C28)	**41.6**	mg/kg	10.3	1	08/20/14 10:11	08/24/14 00:17		
Surrogates								
o-Terphenyl (S)	92	%.	30-150	1	08/20/14 10:11	08/24/14 00:17	84-15-1	
n-Triacontane (S)	82	%.	30-147	1	08/20/14 10:11	08/24/14 00:17	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.0	1	08/20/14 13:58	08/25/14 18:54		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	68-135	1	08/20/14 13:58	08/25/14 18:54	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**4.0**	%	0.10	1		08/22/14 17:12		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:11 Initial pH: 10.84; Final pH: 1.3							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 15:09	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:09	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76	%.	35-125	1	08/25/14 07:42	08/26/14 15:09	4165-60-0	
2-Fluorobiphenyl (S)	77	%.	60-125	1	08/25/14 07:42	08/26/14 15:09	321-60-8	
Terphenyl-d14 (S)	91	%.	57-125	1	08/25/14 07:42	08/26/14 15:09	1718-51-0	
Phenol-d6 (S)	74	%.	48-125	1	08/25/14 07:42	08/26/14 15:09	13127-88-3	
2-Fluorophenol (S)	49	%.	49-125	1	08/25/14 07:42	08/26/14 15:09	367-12-4	
2,4,6-Tribromophenol (S)	62	%.	58-125	1	08/25/14 07:42	08/26/14 15:09	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 10:54	08/22/14 11:56		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.8**	Std. Units	0.10	1		08/22/14 13:58		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11E **Lab ID: 10278207011** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 10:54	08/22/14 12:38		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11F **Lab ID: 10278207012** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**59.3**	mg/kg	10.1	1	08/20/14 10:11	08/23/14 18:06		
TPH-DRO (C10-C28)	**75.4**	mg/kg	10.1	1	08/20/14 10:11	08/23/14 18:06		
Surrogates								
o-Terphenyl (S)	111	%.	30-150	1	08/20/14 10:11	08/23/14 18:06	84-15-1	
n-Triacontane (S)	92	%.	30-147	1	08/20/14 10:11	08/23/14 18:06	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.1	1	08/20/14 13:58	08/25/14 19:16		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 19:16	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**1.6**	%	0.10	1		08/22/14 17:13		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:12 Initial pH: 11.24; Final pH: 1.42							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 15:40	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 15:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	69	%.	35-125	1	08/25/14 07:42	08/26/14 15:40	4165-60-0	
2-Fluorobiphenyl (S)	73	%.	60-125	1	08/25/14 07:42	08/26/14 15:40	321-60-8	
Terphenyl-d14 (S)	87	%.	57-125	1	08/25/14 07:42	08/26/14 15:40	1718-51-0	
Phenol-d6 (S)	53	%.	48-125	1	08/25/14 07:42	08/26/14 15:40	13127-88-3	
2-Fluorophenol (S)	27	%.	49-125	1	08/25/14 07:42	08/26/14 15:40	367-12-4	1M,S0
2,4,6-Tribromophenol (S)	32	%.	58-125	1	08/25/14 07:42	08/26/14 15:40	118-79-6	1M,S0
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 10:54	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**12.0**	Std. Units	0.10	1		08/22/14 13:58		

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11F **Lab ID: 10278207012** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 10:54	08/22/14 12:38		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11G **Lab ID: 10278207013** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**21.8**	mg/kg	10.5	1	08/20/14 10:11	08/23/14 22:21		
TPH-DRO (C10-C28)	**190**	mg/kg	10.5	1	08/20/14 10:11	08/23/14 22:21		
Surrogates								
o-Terphenyl (S)	101	%.	30-150	1	08/20/14 10:11	08/23/14 22:21	84-15-1	
n-Triacontane (S)	92	%.	30-147	1	08/20/14 10:11	08/23/14 22:21	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.2	1	08/20/14 13:58	08/25/14 19:39		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 19:39	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**5.3**	%	0.10	1		08/22/14 17:13		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:12 Initial pH: 10.95; Final pH: 1.31							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 16:10	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	70	%.	35-125	1	08/25/14 07:42	08/26/14 16:10	4165-60-0	
2-Fluorobiphenyl (S)	71	%.	60-125	1	08/25/14 07:42	08/26/14 16:10	321-60-8	
Terphenyl-d14 (S)	88	%.	57-125	1	08/25/14 07:42	08/26/14 16:10	1718-51-0	
Phenol-d6 (S)	65	%.	48-125	1	08/25/14 07:42	08/26/14 16:10	13127-88-3	
2-Fluorophenol (S)	28	%.	49-125	1	08/25/14 07:42	08/26/14 16:10	367-12-4	1M,S0
2,4,6-Tribromophenol (S)	38	%.	58-125	1	08/25/14 07:42	08/26/14 16:10	118-79-6	1M,S0
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 11:43	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.8**	Std. Units	0.10	1		08/22/14 14:03		

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11G **Lab ID: 10278207013** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 11:43	08/22/14 12:38		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11H **Lab ID: 10278207014** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**50.2**	mg/kg	10.1	1	08/20/14 10:11	08/24/14 00:40		
TPH-DRO (C10-C28)	**45.2**	mg/kg	10.1	1	08/20/14 10:11	08/24/14 00:40		
Surrogates								
o-Terphenyl (S)	100	%.	30-150	1	08/20/14 10:11	08/24/14 00:40	84-15-1	
n-Triacontane (S)	68	%.	30-147	1	08/20/14 10:11	08/24/14 00:40	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.0	1	08/20/14 13:58	08/25/14 20:46		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	68-135	1	08/20/14 13:58	08/25/14 20:46	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**2.9**	%	0.10	1		08/22/14 17:13		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:12 Initial pH: 10.23; Final pH: 1.19							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 16:40	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 16:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76	%.	35-125	1	08/25/14 07:42	08/26/14 16:40	4165-60-0	
2-Fluorobiphenyl (S)	77	%.	60-125	1	08/25/14 07:42	08/26/14 16:40	321-60-8	
Terphenyl-d14 (S)	92	%.	57-125	1	08/25/14 07:42	08/26/14 16:40	1718-51-0	
Phenol-d6 (S)	75	%.	48-125	1	08/25/14 07:42	08/26/14 16:40	13127-88-3	
2-Fluorophenol (S)	67	%.	49-125	1	08/25/14 07:42	08/26/14 16:40	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	58-125	1	08/25/14 07:42	08/26/14 16:40	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 11:43	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.9**	Std. Units	0.10	1		08/22/14 14:05		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP11H **Lab ID: 10278207014** Collected: 08/17/14 17:00 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 11:43	08/22/14 12:38		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10A **Lab ID: 10278207015** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**256**	mg/kg	53.5	5	08/20/14 10:11	08/23/14 23:30		
TPH-DRO (C10-C28)	**290**	mg/kg	53.5	5	08/20/14 10:11	08/23/14 23:30		
Surrogates								
o-Terphenyl (S)	68	%.	30-150	5	08/20/14 10:11	08/23/14 23:30	84-15-1	
n-Triacontane (S)	75	%.	30-147	5	08/20/14 10:11	08/23/14 23:30	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.3	1	08/20/14 13:58	08/25/14 21:08		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	68-135	1	08/20/14 13:58	08/25/14 21:08	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**6.6**	%	0.10	1		08/22/14 17:14		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:13 Initial pH: 10.93; Final pH: 1.35							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 17:10	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	79	%.	35-125	1	08/25/14 07:42	08/26/14 17:10	4165-60-0	
2-Fluorobiphenyl (S)	76	%.	60-125	1	08/25/14 07:42	08/26/14 17:10	321-60-8	
Terphenyl-d14 (S)	92	%.	57-125	1	08/25/14 07:42	08/26/14 17:10	1718-51-0	
Phenol-d6 (S)	76	%.	48-125	1	08/25/14 07:42	08/26/14 17:10	13127-88-3	
2-Fluorophenol (S)	71	%.	49-125	1	08/25/14 07:42	08/26/14 17:10	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	58-125	1	08/25/14 07:42	08/26/14 17:10	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 11:43	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.7**	Std. Units	0.10	1		08/22/14 14:07		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10A **Lab ID: 10278207015** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 11:43	08/22/14 12:38		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10B **Lab ID: 10278207016** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**359**	mg/kg	102	10	08/20/14 10:11	08/23/14 23:53		
TPH-DRO (C10-C28)	**388**	mg/kg	102	10	08/20/14 10:11	08/23/14 23:53		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	10	08/20/14 10:11	08/23/14 23:53	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	10	08/20/14 10:11	08/23/14 23:53	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.0	1	08/20/14 13:58	08/25/14 21:31		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	68-135	1	08/20/14 13:58	08/25/14 21:31	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**2.0**	%	0.10	1		08/22/14 17:14		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:13 Initial pH: 10.27; Final pH: 1.66							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 17:40	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 17:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%.	35-125	1	08/25/14 07:42	08/26/14 17:40	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	60-125	1	08/25/14 07:42	08/26/14 17:40	321-60-8	
Terphenyl-d14 (S)	91	%.	57-125	1	08/25/14 07:42	08/26/14 17:40	1718-51-0	
Phenol-d6 (S)	75	%.	48-125	1	08/25/14 07:42	08/26/14 17:40	13127-88-3	
2-Fluorophenol (S)	74	%.	49-125	1	08/25/14 07:42	08/26/14 17:40	367-12-4	
2,4,6-Tribromophenol (S)	79	%.	58-125	1	08/25/14 07:42	08/26/14 17:40	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 11:43	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.1**	Std. Units	0.10	1		08/22/14 14:08		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10B **Lab ID: 10278207016** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 11:43	08/22/14 12:38		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10C **Lab ID: 10278207017** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**693**	mg/kg	526	10	08/20/14 10:11	08/23/14 21:11		
TPH-DRO (C10-C28)	**826**	mg/kg	526	10	08/20/14 10:11	08/23/14 21:11		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	10	08/20/14 10:11	08/23/14 21:11	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	10	08/20/14 10:11	08/23/14 21:11	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.2	1	08/20/14 13:58	08/25/14 21:53		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 21:53	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**5.9**	%	0.10	1		08/22/14 17:15		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:13 Initial pH: 10.73; Final pH: 1.28							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 18:10	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%.	35-125	1	08/25/14 07:42	08/26/14 18:10	4165-60-0	
2-Fluorobiphenyl (S)	76	%.	60-125	1	08/25/14 07:42	08/26/14 18:10	321-60-8	
Terphenyl-d14 (S)	91	%.	57-125	1	08/25/14 07:42	08/26/14 18:10	1718-51-0	
Phenol-d6 (S)	72	%.	48-125	1	08/25/14 07:42	08/26/14 18:10	13127-88-3	
2-Fluorophenol (S)	68	%.	49-125	1	08/25/14 07:42	08/26/14 18:10	367-12-4	
2,4,6-Tribromophenol (S)	70	%.	58-125	1	08/25/14 07:42	08/26/14 18:10	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 12:56	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.4**	Std. Units	0.10	1		08/22/14 14:10		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10C **Lab ID: 10278207017** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 12:56	08/22/14 12:39		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10D **Lab ID: 10278207018** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**1020**	mg/kg	111	10	08/20/14 10:11	08/23/14 20:48		
TPH-DRO (C10-C28)	**1110**	mg/kg	111	10	08/20/14 10:11	08/23/14 20:48		
Surrogates								
o-Terphenyl (S)	0	%.	30-150	10	08/20/14 10:11	08/23/14 20:48	84-15-1	S4
n-Triacontane (S)	0	%.	30-147	10	08/20/14 10:11	08/23/14 20:48	638-68-6	S4
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.3	1	08/20/14 13:58	08/25/14 22:15		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 22:15	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**10.3**	%	0.10	1		08/22/14 17:15		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:13 Initial pH: 10.55; Final pH: 1.29							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 18:40	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 18:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%.	35-125	1	08/25/14 07:42	08/26/14 18:40	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	60-125	1	08/25/14 07:42	08/26/14 18:40	321-60-8	
Terphenyl-d14 (S)	92	%.	57-125	1	08/25/14 07:42	08/26/14 18:40	1718-51-0	
Phenol-d6 (S)	71	%.	48-125	1	08/25/14 07:42	08/26/14 18:40	13127-88-3	
2-Fluorophenol (S)	69	%.	49-125	1	08/25/14 07:42	08/26/14 18:40	367-12-4	
2,4,6-Tribromophenol (S)	72	%.	58-125	1	08/25/14 07:42	08/26/14 18:40	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 12:56	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.8**	Std. Units	0.10	1		08/22/14 14:11		

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10D **Lab ID: 10278207018** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 12:56	08/22/14 12:39		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10E **Lab ID: 10278207019** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**42.7**	mg/kg	10.4	1	08/20/14 10:11	08/23/14 17:43		
TPH-DRO (C10-C28)	**24.3**	mg/kg	10.4	1	08/20/14 10:11	08/23/14 17:43		
Surrogates								
o-Terphenyl (S)	87	%.	30-150	1	08/20/14 10:11	08/23/14 17:43	84-15-1	
n-Triacontane (S)	57	%.	30-147	1	08/20/14 10:11	08/23/14 17:43	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.0	1	08/20/14 13:58	08/25/14 22:38		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	68-135	1	08/20/14 13:58	08/25/14 22:38	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**4.2**	%	0.10	1		08/25/14 09:36		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:14 Initial pH: 11.36; Final pH: 1.53							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 19:10	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	74	%.	35-125	1	08/25/14 07:42	08/26/14 19:10	4165-60-0	
2-Fluorobiphenyl (S)	71	%.	60-125	1	08/25/14 07:42	08/26/14 19:10	321-60-8	
Terphenyl-d14 (S)	91	%.	57-125	1	08/25/14 07:42	08/26/14 19:10	1718-51-0	
Phenol-d6 (S)	71	%.	48-125	1	08/25/14 07:42	08/26/14 19:10	13127-88-3	
2-Fluorophenol (S)	54	%.	49-125	1	08/25/14 07:42	08/26/14 19:10	367-12-4	
2,4,6-Tribromophenol (S)	62	%.	58-125	1	08/25/14 07:42	08/26/14 19:10	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/21/14 12:56	08/22/14 12:10		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.9**	Std. Units	0.10	1		08/22/14 14:12		

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10E **Lab ID: 10278207019** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/21/14 12:56	08/22/14 12:39		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10F **Lab ID: 10278207020** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**174**	mg/kg	10.5	1	08/20/14 10:11	08/23/14 17:20		
TPH-DRO (C10-C28)	**83.4**	mg/kg	10.5	1	08/20/14 10:11	08/23/14 17:20		
Surrogates								
o-Terphenyl (S)	106	%.	30-150	1	08/20/14 10:11	08/23/14 17:20	84-15-1	
n-Triacontane (S)	72	%.	30-147	1	08/20/14 10:11	08/23/14 17:20	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.2	1	08/20/14 13:58	08/25/14 17:02		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 13:58	08/25/14 17:02	98-08-8	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**5.1**	%	0.10	1		08/25/14 09:37		
8270 MSSV TCLP	Analytical Method: EPA 8270 Preparation Method: EPA 3520 Leachate Method/Date: EPA 1311; 08/23/14 11:14 Initial pH: 10.96; Final pH: 1.41							
1,4-Dichlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	106-46-7	
2,4-Dinitrotoluene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	121-14-2	
Hexachloro-1,3-butadiene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	87-68-3	
Hexachlorobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	118-74-1	
Hexachloroethane	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	67-72-1	
2-Methylphenol(o-Cresol)	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	95-48-7	
3&4-Methylphenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40		
Nitrobenzene	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	98-95-3	
Pentachlorophenol	ND	ug/L	230	1	08/25/14 07:42	08/26/14 19:40	87-86-5	
Pyridine	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	110-86-1	
2,4,5-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	1	08/25/14 07:42	08/26/14 19:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	72	%.	35-125	1	08/25/14 07:42	08/26/14 19:40	4165-60-0	
2-Fluorobiphenyl (S)	68	%.	60-125	1	08/25/14 07:42	08/26/14 19:40	321-60-8	
Terphenyl-d14 (S)	91	%.	57-125	1	08/25/14 07:42	08/26/14 19:40	1718-51-0	
Phenol-d6 (S)	67	%.	48-125	1	08/25/14 07:42	08/26/14 19:40	13127-88-3	
2-Fluorophenol (S)	66	%.	49-125	1	08/25/14 07:42	08/26/14 19:40	367-12-4	
2,4,6-Tribromophenol (S)	74	%.	58-125	1	08/25/14 07:42	08/26/14 19:40	118-79-6	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/21/14 16:19		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/22/14 08:58	08/25/14 10:13		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.4**	Std. Units	0.10	1		08/22/14 14:13		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10F **Lab ID: 10278207020** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/22/14 08:58	08/25/14 09:45		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10G **Lab ID: 10278207021** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**83.1**	mg/kg	10.5	1	08/20/14 12:26	08/22/14 09:41		
TPH-DRO (C10-C28)	**157**	mg/kg	10.5	1	08/20/14 12:26	08/22/14 09:41		
Surrogates								
o-Terphenyl (S)	102	%.	30-150	1	08/20/14 12:26	08/22/14 09:41	84-15-1	
n-Triacontane (S)	79	%.	30-147	1	08/20/14 12:26	08/22/14 09:41	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	**467**	mg/kg	26.3	5	08/20/14 14:01	08/22/14 17:38		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	68-135	5	08/20/14 14:01	08/22/14 17:38	98-08-8	2M
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**5.9**	%	0.10	1		08/25/14 09:37		
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/26/14 11:56							
Benzene	ND	ug/L	25.0	1		08/26/14 15:19	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/26/14 15:19	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/26/14 15:19	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/26/14 15:19	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/26/14 15:19	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/26/14 15:19	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/26/14 15:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/26/14 15:19	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/26/14 15:19	127-18-4	
Trichloroethene	ND	ug/L	10.0	1		08/26/14 15:19	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/26/14 15:19	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		08/26/14 15:19	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		08/26/14 15:19	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	1		08/26/14 15:19	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/22/14 15:35		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/22/14 08:58	08/25/14 10:13		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.7**	Std. Units	0.10	1		08/22/14 14:20		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/22/14 08:58	08/25/14 09:46		

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ANALYTICAL RESULTS

Project: 106460 Red River Supply
Pace Project No.: 10278207

Sample: 0817WP10H **Lab ID: 10278207022** Collected: 08/17/14 17:30 Received: 08/19/14 11:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3550 Sonication							
Motor Oil Range (C24-C36)	**53.8**	mg/kg	10.4	1	08/20/14 12:26	08/22/14 10:50		
TPH-DRO (C10-C28)	**56.4**	mg/kg	10.4	1	08/20/14 12:26	08/22/14 10:50		
Surrogates								
o-Terphenyl (S)	107	%.	30-150	1	08/20/14 12:26	08/22/14 10:50	84-15-1	
n-Triacontane (S)	77	%.	30-147	1	08/20/14 12:26	08/22/14 10:50	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021 Preparation Method: EPA 5030							
Gasoline Range Organics	ND	mg/kg	5.2	1	08/20/14 14:01	08/21/14 21:48		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	68-135	1	08/20/14 14:01	08/21/14 21:48	98-08-8	2M
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**4.5**	%	0.10	1		08/25/14 09:37		
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/26/14 11:56							
Benzene	ND	ug/L	25.0	1		08/26/14 16:02	71-43-2	
2-Butanone (MEK)	ND	ug/L	125	1		08/26/14 16:02	78-93-3	
Carbon tetrachloride	ND	ug/L	25.0	1		08/26/14 16:02	56-23-5	
Chlorobenzene	ND	ug/L	25.0	1		08/26/14 16:02	108-90-7	
Chloroform	ND	ug/L	25.0	1		08/26/14 16:02	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	25.0	1		08/26/14 16:02	106-46-7	
1,2-Dichloroethane	ND	ug/L	25.0	1		08/26/14 16:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	1		08/26/14 16:02	75-35-4	
Tetrachloroethene	ND	ug/L	25.0	1		08/26/14 16:02	127-18-4	
Trichloroethene	ND	ug/L	10.0	1		08/26/14 16:02	79-01-6	
Vinyl chloride	ND	ug/L	10.0	1		08/26/14 16:02	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		08/26/14 16:02	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		08/26/14 16:02	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		08/26/14 16:02	460-00-4	
1030 Ignitability of Solids	Analytical Method: 1030							
Ignitability	**Not Ignitable**	mm/sec		1		08/22/14 15:35		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2 Preparation Method: SW-846 7.3.4.2							
Sulfide, Reactive	ND	mg/kg	60.0	1	08/22/14 08:58	08/25/14 10:13		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**11.8**	Std. Units	0.10	1		08/22/14 14:21		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2 Preparation Method: SW-846 7.3.3.2							
Cyanide, Reactive	ND	mg/kg	3.0	1	08/22/14 08:58	08/25/14 09:46		

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: GCV/12487 — Analysis Method: EPA 8015/8021
QC Batch Method: EPA 5030 — Analysis Description: 8015/8021 Solid
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019, 10278207020

METHOD BLANK: 1766260 — Matrix: Solid
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019, 10278207020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/23/14 05:12	
a,a,a-Trifluorotoluene (S)	%.	98	68-135	08/23/14 05:12	

LABORATORY CONTROL SAMPLE & LCSD: 1766261 1766262

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	48.7	46.5	97	93	75-132	5	20	
a,a,a-Trifluorotoluene (S)	%.				105	103	68-135			

MATRIX SPIKE SAMPLE: 1766263

Parameter	Units	10278207007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	8.8	52	48.4	76	30-150	
a,a,a-Trifluorotoluene (S)	%.				103	68-135	

SAMPLE DUPLICATE: 1766264

Parameter	Units	10278207008 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	5.9	ND		20	
a,a,a-Trifluorotoluene (S)	%.	96	97	1		

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: GCV/12489 — Analysis Method: EPA 8015/8021
QC Batch Method: EPA 5030 — Analysis Description: 8015/8021 Solid
Associated Lab Samples: 10278207021, 10278207022

METHOD BLANK: 1766275 — Matrix: Solid
Associated Lab Samples: 10278207021, 10278207022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	08/21/14 19:56	
a,a,a-Trifluorotoluene (S)	%.	98	68-135	08/21/14 19:56	

LABORATORY CONTROL SAMPLE & LCSD: 1766276 1766277

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	50	50.1	52.2	100	104	75-132	4	20	
a,a,a-Trifluorotoluene (S)	%.				100	102	68-135			

MATRIX SPIKE SAMPLE: 1766278

Parameter	Units	10278188002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	ND	61.8	77.2	124	30-150	
a,a,a-Trifluorotoluene (S)	%.				105	68-135	3M

SAMPLE DUPLICATE: 1766279

Parameter	Units	10278188003 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	ND		20	
a,a,a-Trifluorotoluene (S)	%.	98	98	2	3M	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: MPRP/48495 | Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009

SAMPLE DUPLICATE: 1769308

Parameter	Units	10278003001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.9	15.3	3	30	

SAMPLE DUPLICATE: 1769324

Parameter	Units	10278031004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.7	4.8	2	30	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: MPRP/48497 | Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018

SAMPLE DUPLICATE: 1769339

Parameter	Units	10278207010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.4	3.9	14	30	

SAMPLE DUPLICATE: 1769340

Parameter	Units	10278207018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.3	18.7	58	30	R2

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: MPRP/48500 | Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10278207019, 10278207020, 10278207021, 10278207022

SAMPLE DUPLICATE: 1769858

Parameter	Units	10278296013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.6	12.4	2	30	

SAMPLE DUPLICATE: 1769880

Parameter	Units	10278296001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.5	7.8	3	30	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: MSV/28275 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009

METHOD BLANK: 1768483 Matrix: Water
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	25.0	08/22/14 13:01	
1,2-Dichloroethane	ug/L	ND	25.0	08/22/14 13:01	
1,4-Dichlorobenzene	ug/L	ND	25.0	08/22/14 13:01	
2-Butanone (MEK)	ug/L	ND	125	08/22/14 13:01	
Benzene	ug/L	ND	25.0	08/22/14 13:01	
Carbon tetrachloride	ug/L	ND	25.0	08/22/14 13:01	
Chlorobenzene	ug/L	ND	25.0	08/22/14 13:01	
Chloroform	ug/L	ND	25.0	08/22/14 13:01	
Tetrachloroethene	ug/L	ND	25.0	08/22/14 13:01	
Trichloroethene	ug/L	ND	10.0	08/22/14 13:01	
Vinyl chloride	ug/L	ND	10.0	08/22/14 13:01	
1,2-Dichloroethane-d4 (S)	%.	102	75-125	08/22/14 13:01	
4-Bromofluorobenzene (S)	%.	104	75-125	08/22/14 13:01	
Toluene-d8 (S)	%.	104	75-125	08/22/14 13:01	

LABORATORY CONTROL SAMPLE: 1768484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	500	539	108	65-132	
1,2-Dichloroethane	ug/L	500	518	104	72-125	
1,4-Dichlorobenzene	ug/L	500	520	104	75-125	
2-Butanone (MEK)	ug/L	2500	2730	109	66-128	
Benzene	ug/L	500	535	107	73-125	
Carbon tetrachloride	ug/L	500	594	119	67-134	
Chlorobenzene	ug/L	500	539	108	75-125	
Chloroform	ug/L	500	527	105	70-127	
Tetrachloroethene	ug/L	500	545	109	69-128	
Trichloroethene	ug/L	500	537	107	75-125	
Vinyl chloride	ug/L	500	578	116	65-136	
1,2-Dichloroethane-d4 (S)	%.			103	75-125	
4-Bromofluorobenzene (S)	%.			101	75-125	
Toluene-d8 (S)	%.			103	75-125	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1768485 1768486

Parameter	Units	10277878001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	500	500	529	493	106	99	54-139	7	30	
1,2-Dichloroethane	ug/L	ND	500	500	501	495	100	99	70-125	1	30	
1,4-Dichlorobenzene	ug/L	ND	500	500	518	507	102	100	67-125	2	30	
2-Butanone (MEK)	ug/L	ND	2500	2500	2710	2710	108	109	65-136	0	30	
Benzene	ug/L	ND	500	500	533	520	105	102	66-125	2	30	
Carbon tetrachloride	ug/L	ND	500	500	584	569	117	114	70-139	3	30	
Chlorobenzene	ug/L	ND	500	500	534	518	107	103	70-125	3	30	
Chloroform	ug/L	ND	500	500	532	513	106	103	66-130	4	30	
Tetrachloroethene	ug/L	ND	500	500	524	523	105	105	63-127	0	30	
Trichloroethene	ug/L	ND	500	500	528	517	106	103	32-150	2	30	
Vinyl chloride	ug/L	ND	500	500	574	549	115	110	62-138	4	30	
1,2-Dichloroethane-d4 (S)	%.						102	97	75-125			
4-Bromofluorobenzene (S)	%.						101	102	75-125			
Toluene-d8 (S)	%.						102	103	75-125			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: MSV/28309 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 10278207021, 10278207022

METHOD BLANK: 1771378 | Matrix: Water
Associated Lab Samples: 10278207021, 10278207022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	25.0	08/26/14 14:07	
1,2-Dichloroethane	ug/L	ND	25.0	08/26/14 14:07	
1,4-Dichlorobenzene	ug/L	ND	25.0	08/26/14 14:07	
2-Butanone (MEK)	ug/L	ND	125	08/26/14 14:07	
Benzene	ug/L	ND	25.0	08/26/14 14:07	
Carbon tetrachloride	ug/L	ND	25.0	08/26/14 14:07	
Chlorobenzene	ug/L	ND	25.0	08/26/14 14:07	
Chloroform	ug/L	ND	25.0	08/26/14 14:07	
Tetrachloroethene	ug/L	ND	25.0	08/26/14 14:07	
Trichloroethene	ug/L	ND	10.0	08/26/14 14:07	
Vinyl chloride	ug/L	ND	10.0	08/26/14 14:07	
1,2-Dichloroethane-d4 (S)	%.	104	75-125	08/26/14 14:07	
4-Bromofluorobenzene (S)	%.	102	75-125	08/26/14 14:07	
Toluene-d8 (S)	%.	103	75-125	08/26/14 14:07	

LABORATORY CONTROL SAMPLE: 1771379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	500	499	100	65-132	
1,2-Dichloroethane	ug/L	500	516	103	72-125	
1,4-Dichlorobenzene	ug/L	500	483	97	75-125	
2-Butanone (MEK)	ug/L	2500	2590	104	66-128	
Benzene	ug/L	500	519	104	73-125	
Carbon tetrachloride	ug/L	500	586	117	67-134	
Chlorobenzene	ug/L	500	526	105	75-125	
Chloroform	ug/L	500	537	107	70-127	
Tetrachloroethene	ug/L	500	535	107	69-128	
Trichloroethene	ug/L	500	516	103	75-125	
Vinyl chloride	ug/L	500	611	122	65-136	
1,2-Dichloroethane-d4 (S)	%.			104	75-125	
4-Bromofluorobenzene (S)	%.			96	75-125	
Toluene-d8 (S)	%.			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1771380 1771381

Parameter	Units	10277439003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	500	500	504	517	101	103	54-139	2	30	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1771380 1771381

Parameter	Units	10277439003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	500	500	521	497	104	99	70-125	5	30	
1,4-Dichlorobenzene	ug/L	ND	500	500	525	501	104	100	67-125	5	30	
2-Butanone (MEK)	ug/L	246	2500	2500	3140	2830	116	103	65-136	10	30	
Benzene	ug/L	ND	500	500	529	518	105	103	66-125	2	30	
Carbon tetrachloride	ug/L	ND	500	500	615	566	123	113	70-139	8	30	
Chlorobenzene	ug/L	ND	500	500	497	521	99	104	70-125	5	30	
Chloroform	ug/L	ND	500	500	552	522	110	104	66-130	6	30	
Tetrachloroethene	ug/L	ND	500	500	492	511	98	102	63-127	4	30	
Trichloroethene	ug/L	ND	500	500	554	518	111	104	32-150	7	30	
Vinyl chloride	ug/L	ND	500	500	622	672	124	134	62-138	8	30	
1,2-Dichloroethane-d4 (S)	%.						103	103	75-125			
4-Bromofluorobenzene (S)	%.						90	89	75-125			
Toluene-d8 (S)	%.						89	99	75-125			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: OEXT/26155 — Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3550 Sonication — Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019, 10278207020

METHOD BLANK: 1765870 — Matrix: Solid
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019, 10278207020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Motor Oil Range (C24-C36)	mg/kg	ND	10.0	08/23/14 14:39	
TPH-DRO (C10-C28)	mg/kg	ND	10.0	08/23/14 14:39	
n-Triacontane (S)	%.	76	30-147	08/23/14 14:39	
o-Terphenyl (S)	%.	94	30-150	08/23/14 14:39	

LABORATORY CONTROL SAMPLE: 1765871

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Motor Oil Range (C24-C36)	mg/kg	50	45.9	92	70-130	
TPH-DRO (C10-C28)	mg/kg	50	41.4	83	70-125	
n-Triacontane (S)	%.			84	30-147	
o-Terphenyl (S)	%.			101	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1765878 — 1765879

Parameter	Units	10278207010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Motor Oil Range (C24-C36)	mg/kg	17.3	51.8	51.8	561	263	1050	474	30-150	72	30	E,M1, R1
TPH-DRO (C10-C28)	mg/kg	12.2	51.8	51.8	291	145	538	257	30-150	67	30	M1,R1
n-Triacontane (S)	%.						73	68	30-147			
o-Terphenyl (S)	%.						79	104	30-150			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: OEXT/26158 | Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3550 Sonication | Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 10278207021, 10278207022

METHOD BLANK: 1766080 | Matrix: Solid
Associated Lab Samples: 10278207021, 10278207022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Motor Oil Range (C24-C36)	mg/kg	ND	10.0	08/22/14 08:31	
TPH-DRO (C10-C28)	mg/kg	ND	10.0	08/22/14 08:31	
n-Triacontane (S)	%.	72	30-147	08/22/14 08:31	
o-Terphenyl (S)	%.	94	30-150	08/22/14 08:31	

LABORATORY CONTROL SAMPLE: 1766082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Motor Oil Range (C24-C36)	mg/kg	50	49.5	99	70-130	
TPH-DRO (C10-C28)	mg/kg	50	45.0	90	70-125	
n-Triacontane (S)	%.			91	30-147	
o-Terphenyl (S)	%.			101	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1766083 1766084

Parameter	Units	10278207021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Motor Oil Range (C24-C36)	mg/kg	83.1	53.2	53.2	176	112	175	54	30-150	45	30	M3,R2
TPH-DRO (C10-C28)	mg/kg	157	53.2	53.2	413	155	481	-3	30-150	91	30	M3,R2
n-Triacontane (S)	%.						96	88	30-147			
o-Terphenyl (S)	%.						84	119	30-150			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: OEXT/26192 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009

METHOD BLANK: 1768620 Matrix: Water
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	08/24/14 19:49	
2,4,5-Trichlorophenol	ug/L	ND	100	08/24/14 19:49	
2,4,6-Trichlorophenol	ug/L	ND	100	08/24/14 19:49	
2,4-Dinitrotoluene	ug/L	ND	100	08/24/14 19:49	
2-Methylphenol(o-Cresol)	ug/L	ND	100	08/24/14 19:49	
3&4-Methylphenol	ug/L	ND	100	08/24/14 19:49	
Hexachloro-1,3-butadiene	ug/L	ND	100	08/24/14 19:49	
Hexachlorobenzene	ug/L	ND	100	08/24/14 19:49	
Hexachloroethane	ug/L	ND	100	08/24/14 19:49	
Nitrobenzene	ug/L	ND	100	08/24/14 19:49	
Pentachlorophenol	ug/L	ND	230	08/24/14 19:49	
Pyridine	ug/L	ND	100	08/24/14 19:49	
2,4,6-Tribromophenol (S)	%.	83	58-125	08/24/14 19:49	
2-Fluorobiphenyl (S)	%.	74	60-125	08/24/14 19:49	
2-Fluorophenol (S)	%.	61	49-125	08/24/14 19:49	
Nitrobenzene-d5 (S)	%.	65	35-125	08/24/14 19:49	
Phenol-d6 (S)	%.	60	48-125	08/24/14 19:49	
Terphenyl-d14 (S)	%.	91	57-125	08/24/14 19:49	

PRELIMINARY

METHOD BLANK: 1768624 Matrix: Water
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	08/24/14 20:19	
2,4,5-Trichlorophenol	ug/L	ND	100	08/24/14 20:19	
2,4,6-Trichlorophenol	ug/L	ND	100	08/24/14 20:19	
2,4-Dinitrotoluene	ug/L	ND	100	08/24/14 20:19	
2-Methylphenol(o-Cresol)	ug/L	ND	100	08/24/14 20:19	
3&4-Methylphenol	ug/L	ND	100	08/24/14 20:19	
Hexachloro-1,3-butadiene	ug/L	ND	100	08/24/14 20:19	
Hexachlorobenzene	ug/L	ND	100	08/24/14 20:19	
Hexachloroethane	ug/L	ND	100	08/24/14 20:19	
Nitrobenzene	ug/L	ND	100	08/24/14 20:19	
Pentachlorophenol	ug/L	ND	230	08/24/14 20:19	
Pyridine	ug/L	ND	100	08/24/14 20:19	
2,4,6-Tribromophenol (S)	%.	78	58-125	08/24/14 20:19	
2-Fluorobiphenyl (S)	%.	78	60-125	08/24/14 20:19	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

METHOD BLANK: 1768624 Matrix: Water

Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Fluorophenol (S)	%.	70	49-125	08/24/14 20:19	
Nitrobenzene-d5 (S)	%.	74	35-125	08/24/14 20:19	
Phenol-d6 (S)	%.	70	48-125	08/24/14 20:19	
Terphenyl-d14 (S)	%.	87	57-125	08/24/14 20:19	

LABORATORY CONTROL SAMPLE: 1768621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	367	73	56-125	
2,4,5-Trichlorophenol	ug/L	500	419	84	71-125	
2,4,6-Trichlorophenol	ug/L	500	402	80	70-125	
2,4-Dinitrotoluene	ug/L	500	424	85	73-125	
2-Methylphenol(o-Cresol)	ug/L	500	318	64	57-125	
3&4-Methylphenol	ug/L	500	320	64	61-125	
Hexachloro-1,3-butadiene	ug/L	500	377	75	58-125	
Hexachlorobenzene	ug/L	500	431	86	71-125	
Hexachloroethane	ug/L	500	357	71	53-125	
Nitrobenzene	ug/L	500	357	71	59-125	
Pentachlorophenol	ug/L	500	425	85	54-125	
Pyridine	ug/L	500	206	41	30-125	
2,4,6-Tribromophenol (S)	%.			82	58-125	
2-Fluorobiphenyl (S)	%.			75	60-125	
2-Fluorophenol (S)	%.			51	49-125	
Nitrobenzene-d5 (S)	%.			62	35-125	
Phenol-d6 (S)	%.			47	48-125	S0
Terphenyl-d14 (S)	%.			83	57-125	

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MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1768622 1768623

Parameter	Units	10277698004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	500	500	368	356	74	71	57-125	3	30	
2,4,5-Trichlorophenol	ug/L	ND	500	500	423	431	85	86	74-125	2	30	
2,4,6-Trichlorophenol	ug/L	ND	500	500	418	426	84	85	71-125	2	30	
2,4-Dinitrotoluene	ug/L	ND	500	500	433	442	87	88	75-125	2	30	
2-Methylphenol(o-Cresol)	ug/L	ND	500	500	377	369	75	74	58-125	2	30	
3&4-Methylphenol	ug/L	ND	500	500	382	378	76	76	62-125	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	388	376	78	75	56-125	3	30	
Hexachlorobenzene	ug/L	ND	500	500	440	457	88	91	75-125	4	30	
Hexachloroethane	ug/L	ND	500	500	366	352	73	70	51-125	4	30	
Nitrobenzene	ug/L	ND	500	500	380	368	76	74	66-125	3	30	
Pentachlorophenol	ug/L	ND	500	500	418	437	84	87	44-125	5	30	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1768622 1768623

Parameter	Units	10277698004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyridine	ug/L	ND	500	500	313	305	63	61	32-125	3	30	
2,4,6-Tribromophenol (S)	%.						84	87	58-125			
2-Fluorobiphenyl (S)	%.						79	78	60-125			
2-Fluorophenol (S)	%.						68	69	49-125			
Nitrobenzene-d5 (S)	%.						72	72	35-125			
Phenol-d6 (S)	%.						69	70	48-125			
Terphenyl-d14 (S)	%.						82	84	57-125			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: OEXT/26200 | Analysis Method: EPA 8270
QC Batch Method: EPA 3520 | Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019, 10278207020

METHOD BLANK: 1769826 | Matrix: Water
Associated Lab Samples: 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019, 10278207020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	100	08/26/14 12:08	
2,4,5-Trichlorophenol	ug/L	ND	100	08/26/14 12:08	
2,4,6-Trichlorophenol	ug/L	ND	100	08/26/14 12:08	
2,4-Dinitrotoluene	ug/L	ND	100	08/26/14 12:08	
2-Methylphenol(o-Cresol)	ug/L	ND	100	08/26/14 12:08	
3&4-Methylphenol	ug/L	ND	100	08/26/14 12:08	
Hexachloro-1,3-butadiene	ug/L	ND	100	08/26/14 12:08	
Hexachlorobenzene	ug/L	ND	100	08/26/14 12:08	
Hexachloroethane	ug/L	ND	100	08/26/14 12:08	
Nitrobenzene	ug/L	ND	100	08/26/14 12:08	
Pentachlorophenol	ug/L	ND	230	08/26/14 12:08	
Pyridine	ug/L	ND	100	08/26/14 12:08	
2,4,6-Tribromophenol (S)	%.	85	58-125	08/26/14 12:08	
2-Fluorobiphenyl (S)	%.	60	60-125	08/26/14 12:08	
2-Fluorophenol (S)	%.	65	49-125	08/26/14 12:08	
Nitrobenzene-d5 (S)	%.	71	35-125	08/26/14 12:08	
Phenol-d6 (S)	%.	63	48-125	08/26/14 12:08	
Terphenyl-d14 (S)	%.	97	57-125	08/26/14 12:08	

LABORATORY CONTROL SAMPLE: 1769827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	500	325	65	56-125	
2,4,5-Trichlorophenol	ug/L	500	429	86	71-125	
2,4,6-Trichlorophenol	ug/L	500	422	84	70-125	
2,4-Dinitrotoluene	ug/L	500	447	89	73-125	
2-Methylphenol(o-Cresol)	ug/L	500	321	64	57-125	
3&4-Methylphenol	ug/L	500	329	66	61-125	
Hexachloro-1,3-butadiene	ug/L	500	368	74	58-125	
Hexachlorobenzene	ug/L	500	454	91	71-125	
Hexachloroethane	ug/L	500	315	63	53-125	
Nitrobenzene	ug/L	500	350	70	59-125	
Pentachlorophenol	ug/L	500	462	92	54-125	
Pyridine	ug/L	500	242	48	30-125	
2,4,6-Tribromophenol (S)	%.			81	58-125	
2-Fluorobiphenyl (S)	%.			66	60-125	
2-Fluorophenol (S)	%.			59	49-125	
Nitrobenzene-d5 (S)	%.			67	35-125	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

LABORATORY CONTROL SAMPLE: 1769827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenol-d6 (S)	%.			54	48-125	
Terphenyl-d14 (S)	%.			89	57-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1769828 1769829

Parameter	Units	10278207010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	500	500	357	326	71	65	57-125	9	30	
2,4,5-Trichlorophenol	ug/L	ND	500	500	366	396	73	79	74-125	8	30	M1
2,4,6-Trichlorophenol	ug/L	ND	500	500	226	247	45	49	71-125	9	30	M1
2,4-Dinitrotoluene	ug/L	ND	500	500	441	458	88	92	75-125	4	30	
2-Methylphenol(o-Cresol)	ug/L	ND	500	500	365	369	73	74	58-125	1	30	
3&4-Methylphenol	ug/L	ND	500	500	376	389	75	78	62-125	3	30	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	380	353	76	71	56-125	7	30	
Hexachlorobenzene	ug/L	ND	500	500	458	459	92	92	75-125	0	30	
Hexachloroethane	ug/L	ND	500	500	358	319	72	64	51-125	11	30	
Nitrobenzene	ug/L	ND	500	500	377	360	75	72	66-125	5	30	
Pentachlorophenol	ug/L	ND	500	500	130J	152J	26	30	44-125		30	M1
Pyridine	ug/L	ND	500	500	313	298	63	60	32-125	5	30	
2,4,6-Tribromophenol (S)	%.						57	73	58-125			1M,S0
2-Fluorobiphenyl (S)	%.						83	78	60-125			
2-Fluorophenol (S)	%.						41	49	49-125			1M,S0
Nitrobenzene-d5 (S)	%.						73	72	35-125			
Phenol-d6 (S)	%.						65	69	48-125			
Terphenyl-d14 (S)	%.						89	89	57-125			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: WET/4832 Analysis Method: SW-846 7.3.4.2
QC Batch Method: SW-846 7.3.4.2 Analysis Description: Reactive Sulfide
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019

METHOD BLANK: 92113 Matrix: Solid
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	60.0	08/22/14 11:31	

SAMPLE DUPLICATE: 92115

Parameter	Units	7518152001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		20	

SAMPLE DUPLICATE: 92116

Parameter	Units	10278207010 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: WET/4844 Analysis Method: SW-846 7.3.4.2
QC Batch Method: SW-846 7.3.4.2 Analysis Description: Reactive Sulfide
Associated Lab Samples: 10278207020, 10278207021, 10278207022

METHOD BLANK: 92361 Matrix: Solid
Associated Lab Samples: 10278207020, 10278207021, 10278207022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	ND	60.0	08/25/14 10:13	

SAMPLE DUPLICATE: 92362

Parameter	Units	10278207020 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	ND		20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: WET/4840 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019, 10278207020

LABORATORY CONTROL SAMPLE: 92267

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH at 25 Degrees C	Std. Units	6	6.0	100	99-101	

SAMPLE DUPLICATE: 92268

Parameter	Units	10278207001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	10.4	10.8	4	20	

SAMPLE DUPLICATE: 92269

Parameter	Units	10278207020 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	11.4	11.9	4	20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: WET/4841 | Analysis Method: EPA 9045
QC Batch Method: EPA 9045 | Analysis Description: 9045 pH
Associated Lab Samples: 10278207021, 10278207022

LABORATORY CONTROL SAMPLE: 92272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH at 25 Degrees C	Std. Units	6	6.0	100	99-101	

SAMPLE DUPLICATE: 92273

Parameter	Units	10278207021 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	11.7	11.9	2	20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: WETA/5774 | Analysis Method: SW-846 7.3.3.2
QC Batch Method: SW-846 7.3.3.2 | Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019

METHOD BLANK: 92110 | Matrix: Solid
Associated Lab Samples: 10278207001, 10278207002, 10278207003, 10278207004, 10278207005, 10278207006, 10278207007, 10278207008, 10278207009, 10278207010, 10278207011, 10278207012, 10278207013, 10278207014, 10278207015, 10278207016, 10278207017, 10278207018, 10278207019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	ND	3.0	08/22/14 12:36	

SAMPLE DUPLICATE: 92111

Parameter	Units	7518152001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND		30	

SAMPLE DUPLICATE: 92112

Parameter	Units	10278207010 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply
Pace Project No.: 10278207

QC Batch: WETA/5785 Analysis Method: SW-846 7.3.3.2
QC Batch Method: SW-846 7.3.3.2 Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 10278207020, 10278207021, 10278207022

METHOD BLANK: 92359 Matrix: Solid
Associated Lab Samples: 10278207020, 10278207021, 10278207022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	ND	3.0	08/25/14 09:45	

SAMPLE DUPLICATE: 92360

Parameter	Units	10278207020 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	ND		30	

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QUALIFIERS

Project: 106460 Red River Supply
Pace Project No.: 10278207

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-D	Pace Analytical Services - Dallas
PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: GCV/12488

[1] All results are from sample aliquot taken from a glass jar with headspace. This does not meet method sampling requirements and the data should be considered an estimation.

ANALYTE QUALIFIERS

1M	Low acid surrogate recovery due to extract being basic, pH=12.
2M	The results are from sample aliquot taken from a glass jar with headspace. This does not meet method sampling requirements and the data should be considered an estimation.
3M	The results are from sample aliquot taken from a packed glass jar. This does not meet method sampling requirements and the data should be considered an estimation.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
R1	RPD value was outside control limits.
R2	RPD value was outside control limits due to matrix interference
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10278207001	0817WP13A	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207002	0817WP13B	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207003	0817WP13C	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207004	0817WP13D	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207005	0817WP12A	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207006	0817WP12B	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207007	0817WP11A	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207008	0817WP11B	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207009	0817WP11C	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207010	0817WP11D	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207011	0817WP11E	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207012	0817WP11F	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207013	0817WP11G	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207014	0817WP11H	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207015	0817WP10A	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207016	0817WP10B	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207017	0817WP10C	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207018	0817WP10D	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207019	0817WP10E	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207020	0817WP10F	EPA 3550 Sonication	OEXT/26155	EPA 8015 Modified	GCSV/13872
10278207021	0817WP10G	EPA 3550 Sonication	OEXT/26158	EPA 8015 Modified	GCSV/13866
10278207022	0817WP10H	EPA 3550 Sonication	OEXT/26158	EPA 8015 Modified	GCSV/13866
10278207001	0817WP13A	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207002	0817WP13B	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207003	0817WP13C	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207004	0817WP13D	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207005	0817WP12A	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207006	0817WP12B	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207007	0817WP11A	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207008	0817WP11B	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207009	0817WP11C	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207010	0817WP11D	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207011	0817WP11E	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207012	0817WP11F	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207013	0817WP11G	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207014	0817WP11H	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207015	0817WP10A	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207016	0817WP10B	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207017	0817WP10C	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207018	0817WP10D	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207019	0817WP10E	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207020	0817WP10F	EPA 5030	GCV/12487	EPA 8015/8021	GCV/12488
10278207021	0817WP10G	EPA 5030	GCV/12489	EPA 8015/8021	GCV/12490
10278207022	0817WP10H	EPA 5030	GCV/12489	EPA 8015/8021	GCV/12490
10278207001	0817WP13A	ASTM D2974	MPRP/48495		
10278207002	0817WP13B	ASTM D2974	MPRP/48495		
10278207003	0817WP13C	ASTM D2974	MPRP/48495		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10278207004	**0817WP13D**	ASTM D2974	MPRP/48495		
10278207005	**0817WP12A**	ASTM D2974	MPRP/48495		
10278207006	**0817WP12B**	ASTM D2974	MPRP/48495		
10278207007	**0817WP11A**	ASTM D2974	MPRP/48495		
10278207008	**0817WP11B**	ASTM D2974	MPRP/48495		
10278207009	**0817WP11C**	ASTM D2974	MPRP/48495		
10278207010	**0817WP11D**	ASTM D2974	MPRP/48497		
10278207011	**0817WP11E**	ASTM D2974	MPRP/48497		
10278207012	**0817WP11F**	ASTM D2974	MPRP/48497		
10278207013	**0817WP11G**	ASTM D2974	MPRP/48497		
10278207014	**0817WP11H**	ASTM D2974	MPRP/48497		
10278207015	**0817WP10A**	ASTM D2974	MPRP/48497		
10278207016	**0817WP10B**	ASTM D2974	MPRP/48497		
10278207017	**0817WP10C**	ASTM D2974	MPRP/48497		
10278207018	**0817WP10D**	ASTM D2974	MPRP/48497		
10278207019	**0817WP10E**	ASTM D2974	MPRP/48500		
10278207020	**0817WP10F**	ASTM D2974	MPRP/48500		
10278207021	**0817WP10G**	ASTM D2974	MPRP/48500		
10278207022	**0817WP10H**	ASTM D2974	MPRP/48500		
10278207001	**0817WP13A**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207002	**0817WP13B**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207003	**0817WP13C**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207004	**0817WP13D**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207005	**0817WP12A**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207006	**0817WP12B**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207007	**0817WP11A**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207008	**0817WP11B**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207009	**0817WP11C**	EPA 3520	OEXT/26192	EPA 8270	MSSV/11011
10278207010	**0817WP11D**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207011	**0817WP11E**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207012	**0817WP11F**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207013	**0817WP11G**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207014	**0817WP11H**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207015	**0817WP10A**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207016	**0817WP10B**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207017	**0817WP10C**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207018	**0817WP10D**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207019	**0817WP10E**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207020	**0817WP10F**	EPA 3520	OEXT/26200	EPA 8270	MSSV/11017
10278207001	**0817WP13A**	EPA 8260	MSV/28275		
10278207002	**0817WP13B**	EPA 8260	MSV/28275		
10278207003	**0817WP13C**	EPA 8260	MSV/28275		
10278207004	**0817WP13D**	EPA 8260	MSV/28275		
10278207005	**0817WP12A**	EPA 8260	MSV/28275		
10278207006	**0817WP12B**	EPA 8260	MSV/28275		
10278207007	**0817WP11A**	EPA 8260	MSV/28275		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10278207008	**0817WP11B**	EPA 8260	MSV/28275		
10278207009	**0817WP11C**	EPA 8260	MSV/28275		
10278207021	**0817WP10G**	EPA 8260	MSV/28309		
10278207022	**0817WP10H**	EPA 8260	MSV/28309		
10278207001	**0817WP13A**	1030	WET/4842		
10278207002	**0817WP13B**	1030	WET/4842		
10278207003	**0817WP13C**	1030	WET/4842		
10278207004	**0817WP13D**	1030	WET/4842		
10278207005	**0817WP12A**	1030	WET/4842		
10278207006	**0817WP12B**	1030	WET/4842		
10278207007	**0817WP11A**	1030	WET/4842		
10278207008	**0817WP11B**	1030	WET/4842		
10278207009	**0817WP11C**	1030	WET/4842		
10278207010	**0817WP11D**	1030	WET/4842		
10278207011	**0817WP11E**	1030	WET/4842		
10278207012	**0817WP11F**	1030	WET/4842		
10278207013	**0817WP11G**	1030	WET/4842		
10278207014	**0817WP11H**	1030	WET/4842		
10278207015	**0817WP10A**	1030	WET/4842		
10278207016	**0817WP10B**	1030	WET/4842		
10278207017	**0817WP10C**	1030	WET/4842		
10278207018	**0817WP10D**	1030	WET/4842		
10278207019	**0817WP10E**	1030	WET/4842		
10278207020	**0817WP10F**	1030	WET/4842		
10278207021	**0817WP10G**	1030	WET/4852		
10278207022	**0817WP10H**	1030	WET/4852		
10278207001	**0817WP13A**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207002	**0817WP13B**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207003	**0817WP13C**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207004	**0817WP13D**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207005	**0817WP12A**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207006	**0817WP12B**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207007	**0817WP11A**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207008	**0817WP11B**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207009	**0817WP11C**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207010	**0817WP11D**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207011	**0817WP11E**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207012	**0817WP11F**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207013	**0817WP11G**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207014	**0817WP11H**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207015	**0817WP10A**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207016	**0817WP10B**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207017	**0817WP10C**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207018	**0817WP10D**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207019	**0817WP10E**	SW-846 7.3.4.2	WET/4832	SW-846 7.3.4.2	WET/4845
10278207020	**0817WP10F**	SW-846 7.3.4.2	WET/4844	SW-846 7.3.4.2	WET/4856

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 106460 Red River Supply
Pace Project No.: 10278207

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10278207021	**0817WP10G**	SW-846 7.3.4.2	WET/4844	SW-846 7.3.4.2	WET/4856
10278207022	**0817WP10H**	SW-846 7.3.4.2	WET/4844	SW-846 7.3.4.2	WET/4856
10278207001	**0817WP13A**	EPA 9045	WET/4840		
10278207002	**0817WP13B**	EPA 9045	WET/4840		
10278207003	**0817WP13C**	EPA 9045	WET/4840		
10278207004	**0817WP13D**	EPA 9045	WET/4840		
10278207005	**0817WP12A**	EPA 9045	WET/4840		
10278207006	**0817WP12B**	EPA 9045	WET/4840		
10278207007	**0817WP11A**	EPA 9045	WET/4840		
10278207008	**0817WP11B**	EPA 9045	WET/4840		
10278207009	**0817WP11C**	EPA 9045	WET/4840		
10278207010	**0817WP11D**	EPA 9045	WET/4840		
10278207011	**0817WP11E**	EPA 9045	WET/4840		
10278207012	**0817WP11F**	EPA 9045	WET/4840		
10278207013	**0817WP11G**	EPA 9045	WET/4840		
10278207014	**0817WP11H**	EPA 9045	WET/4840		
10278207015	**0817WP10A**	EPA 9045	WET/4840		
10278207016	**0817WP10B**	EPA 9045	WET/4840		
10278207017	**0817WP10C**	EPA 9045	WET/4840		
10278207018	**0817WP10D**	EPA 9045	WET/4840		
10278207019	**0817WP10E**	EPA 9045	WET/4840		
10278207020	**0817WP10F**	EPA 9045	WET/4840		
10278207021	**0817WP10G**	EPA 9045	WET/4841		
10278207022	**0817WP10H**	EPA 9045	WET/4841		
10278207001	**0817WP13A**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207002	**0817WP13B**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207003	**0817WP13C**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207004	**0817WP13D**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207005	**0817WP12A**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207006	**0817WP12B**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207007	**0817WP11A**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207008	**0817WP11B**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207009	**0817WP11C**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207010	**0817WP11D**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207011	**0817WP11E**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207012	**0817WP11F**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207013	**0817WP11G**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207014	**0817WP11H**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207015	**0817WP10A**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207016	**0817WP10B**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207017	**0817WP10C**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207018	**0817WP10D**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207019	**0817WP10E**	SW-846 7.3.3.2	WETA/5774	SW-846 7.3.3.2	WETA/5791
10278207020	**0817WP10F**	SW-846 7.3.3.2	WETA/5785	SW-846 7.3.3.2	WETA/5796
10278207021	**0817WP10G**	SW-846 7.3.3.2	WETA/5785	SW-846 7.3.3.2	WETA/5796
10278207022	**0817WP10H**	SW-846 7.3.3.2	WETA/5785	SW-846 7.3.3.2	WETA/5796

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