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

July 29, 2014

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

RE: Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Dear Kyle Lawrence:
Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 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.

Report revised 7/29/14 to correct sample IDs per client's request.

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

Sincerely,

Kabor Xiong

Kabor Xiong
kabor.xiong@pacelabs.com
Project Manager

Enclosures

cc: Lab Results

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CERTIFICATIONS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

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 Jersey Certification #: MN-002
New Jersey Certification #: MN-002
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 TO-15 Approval
West Virginia DHHR #:9952C

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SAMPLE SUMMARY

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10275337001	**0725SW01**	Water	07/25/14 09:45	07/26/14 09:05
10275337002	**0725SW04**	Water	07/25/14 09:00	07/26/14 09:05
10275337003	**0725SW05**	Water	07/25/14 10:40	07/26/14 09:05
10275337004	**0725SW06**	Water	07/25/14 11:10	07/26/14 09:05
10275337005	**0725SW07**	Water	07/25/14 12:10	07/26/14 09:05
10275337006	**0725SW08**	Water	07/25/14 13:50	07/26/14 09:05
10275337007	**0725WC01**	Water	07/25/14 15:40	07/26/14 09:05
10275337008	**0725WC02**	Water	07/25/14 16:00	07/26/14 09:05
10275337010	**0725TB02**	Water	07/25/14 00:00	07/26/14 09:05
10275337011	**0725TB03**	Water	07/25/14 00:00	07/26/14 09:05

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SAMPLE ANALYTE COUNT

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10275337001	**0725SW01**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		EPA 6010	IP	22	PASI-M
		EPA 7470	BT	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		SM 4500F/C	JBB	1	PASI-M
		ASTM D516	KEO	1	PASI-M
		SM 4500-Cl E	KEO	1	PASI-M
10275337002	**0725SW04**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		EPA 6010	IP	22	PASI-M
		EPA 7470	BT	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		SM 4500F/C	JBB	1	PASI-M
		ASTM D516	KEO	1	PASI-M
		SM 4500-Cl E	KEO	1	PASI-M
10275337003	**0725SW05**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		EPA 6010	IP	22	PASI-M
		EPA 7470	BT	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		SM 4500F/C	JBB	1	PASI-M
		ASTM D516	KEO	1	PASI-M
		SM 4500-Cl E	KEO	1	PASI-M
10275337004	**0725SW06**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		EPA 6010	IP	22	PASI-M
		EPA 7470	BT	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		SM 4500F/C	JBB	1	PASI-M
		ASTM D516	KEO	1	PASI-M
		SM 4500-Cl E	KEO	1	PASI-M
10275337005	**0725SW07**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		EPA 6010	IP	22	PASI-M
		EPA 7470	BT	1	PASI-M
		EPA 8270	JLR	72	PASI-M

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SAMPLE ANALYTE COUNT

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	SH2	70	PASI-M
		SM 4500F/C	JBB	1	PASI-M
		ASTM D516	KEO	1	PASI-M
		SM 4500-Cl E	KEO	1	PASI-M
10275337006	**0725SW08**	EPA 8015 Modified	JRH	4	PASI-M
		EPA 8015/8021	LLC	2	PASI-M
		EPA 6010	IP	22	PASI-M
		EPA 7470	BT	1	PASI-M
		EPA 8270	JLR	72	PASI-M
		SM 4500F/C	JBB	1	PASI-M
		ASTM D516	KEO	1	PASI-M
		SM 4500-Cl E	KEO	1	PASI-M
10275337007	**0725WC01**	EPA 6010	IP	7	PASI-M
		EPA 7470A	WBS	1	PASI-M
		SM 4500-H+B	HNKH	1	PASI-M
10275337008	**0725WC02**	EPA 6010	IP	7	PASI-M
		EPA 7470A	WBS	1	PASI-M
		SM 4500-H+B	HNKH	1	PASI-M
10275337010	**0725TB02**	EPA 8260	SH2	70	PASI-M
10275337011	**0725TB03**	EPA 8260	SH2	70	PASI-M

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW01 **Lab ID: 10275337001** Collected: 07/25/14 09:45 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510							
Motor Oil Range (C24-C36)	**5.2**	mg/L	0.10	1	07/26/14 12:28	07/27/14 13:21		
TPH-DRO (C10-C28)	**5.7**	mg/L	0.050	1	07/26/14 12:28	07/27/14 13:21		
Surrogates								
o-Terphenyl (S)	57	%.	30-150	1	07/26/14 12:28	07/27/14 13:21	84-15-1	
n-Triacontane (S)	95	%.	30-150	1	07/26/14 12:28	07/27/14 13:21	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021							
Gasoline Range Organics	ND	ug/L	100	1		07/26/14 17:38		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	74-125	1		07/26/14 17:38	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**4400**	ug/L	200	1	07/27/14 06:30	07/27/14 12:11	7429-90-5	M1
Antimony	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:11	7440-36-0	
Arsenic	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:11	7440-38-2	
Barium	**313**	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:11	7440-39-3	
Beryllium	ND	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:11	7440-41-7	
Cadmium	ND	ug/L	3.0	1	07/27/14 06:30	07/27/14 12:11	7440-43-9	
Calcium	**45300**	ug/L	500	1	07/27/14 06:30	07/27/14 12:11	7440-70-2	
Chromium	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:11	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:11	7440-48-4	
Copper	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:11	7440-50-8	
Iron	**3830**	ug/L	50.0	1	07/27/14 06:30	07/27/14 12:11	7439-89-6	
Lead	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:11	7439-92-1	
Magnesium	**7290**	ug/L	500	1	07/27/14 06:30	07/27/14 12:11	7439-95-4	
Manganese	**322**	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:11	7439-96-5	
Nickel	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:11	7440-02-0	
Potassium	**8940**	ug/L	2500	1	07/27/14 06:30	07/27/14 12:11	7440-09-7	
Selenium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:11	7782-49-2	
Silver	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:11	7440-22-4	
Sodium	**37600**	ug/L	1000	1	07/27/14 06:30	07/27/14 12:11	7440-23-5	
Thallium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:11	7440-28-0	
Vanadium	ND	ug/L	15.0	1	07/27/14 06:30	07/27/14 12:11	7440-62-2	
Zinc	**67.4**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:11	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/27/14 07:55	07/27/14 12:37	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
Phenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	111-44-4	
2-Chlorophenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	95-48-7	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW01 **Lab ID: 10275337001** Collected: 07/25/14 09:45 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Chloroisopropyl) ether	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	108-60-1	
3&4-Methylphenol	ND	ug/L	21.3	1	07/26/14 12:29	07/27/14 17:12		
N-Nitroso-di-n-propylamine	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	621-64-7	
Hexachloroethane	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	67-72-1	
Nitrobenzene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	98-95-3	
Isophorone	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	78-59-1	
2-Nitrophenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	88-75-5	
2,4-Dimethylphenol	ND	ug/L	53.2	1	07/26/14 12:29	07/27/14 17:12	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	120-82-1	
Naphthalene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	91-20-3	
4-Chloroaniline	ND	ug/L	53.2	1	07/26/14 12:29	07/27/14 17:12	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	91-58-7	
2-Nitroaniline	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	88-74-4	
Dimethylphthalate	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	131-11-3	
Acenaphthylene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	606-20-2	
3-Nitroaniline	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	99-09-2	
Acenaphthene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	83-32-9	
2,4-Dinitrophenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	51-28-5	
4-Nitrophenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	100-02-7	
Dibenzofuran	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	121-14-2	
Diethylphthalate	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	7005-72-3	
Fluorene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	86-73-7	
4-Nitroaniline	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	101-55-3	
Hexachlorobenzene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	118-74-1	
Pentachlorophenol	ND	ug/L	21.3	1	07/26/14 12:29	07/27/14 17:12	87-86-5	
Phenanthrene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	85-01-8	
Anthracene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	84-74-2	
Fluoranthene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	206-44-0	
Pyrene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	53.2	1	07/26/14 12:29	07/27/14 17:12	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	56-55-3	
Chrysene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	218-01-9	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW01 **Lab ID: 10275337001** Collected: 07/25/14 09:45 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	117-81-7	L3
Di-n-octylphthalate	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	122-66-7	
Carbazole	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.6	1	07/26/14 12:29	07/27/14 17:12	90-12-0	
Surrogates								
Nitrobenzene-d5 (S)	77	%.	60-125	1	07/26/14 12:29	07/27/14 17:12	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	55-125	1	07/26/14 12:29	07/27/14 17:12	321-60-8	
Terphenyl-d14 (S)	65	%.	67-125	1	07/26/14 12:29	07/27/14 17:12	1718-51-0	S5
Phenol-d6 (S)	11	%.	59-125	1	07/26/14 12:29	07/27/14 17:12	13127-88-3	S5
2-Fluorophenol (S)	28	%.	53-125	1	07/26/14 12:29	07/27/14 17:12	367-12-4	S5
2,4,6-Tribromophenol (S)	65	%.	66-125	1	07/26/14 12:29	07/27/14 17:12	118-79-6	S5
SM4500F-C Fluoride	Analytical Method: SM 4500F/C							
Fluoride	ND	mg/L	1.0	1		07/28/14 12:25	16984-48-8	
ASTM D516 Sulfate Water	Analytical Method: ASTM D516							
Sulfate	**67.8**	mg/L	12.5	5		07/28/14 10:26	14808-79-8	
SM4500Cl-E Chloride	Analytical Method: SM 4500-Cl E							
Chloride	**52.4**	mg/L	4.0	2		07/28/14 11:53	16887-00-6	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW04 **Lab ID: 10275337002** Collected: 07/25/14 09:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510							
Motor Oil Range (C24-C36)	**2.0**	mg/L	0.10	1	07/26/14 12:28	07/27/14 13:43		
TPH-DRO (C10-C28)	**1.2**	mg/L	0.050	1	07/26/14 12:28	07/27/14 13:43		
Surrogates								
o-Terphenyl (S)	65	%.	30-150	1	07/26/14 12:28	07/27/14 13:43	84-15-1	
n-Triacontane (S)	75	%.	30-150	1	07/26/14 12:28	07/27/14 13:43	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021							
Gasoline Range Organics	ND	ug/L	100	1		07/26/14 17:59		
Surrogates								
a,a,a-Trifluorotoluene (S)	99	%.	74-125	1		07/26/14 17:59	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**3140**	ug/L	200	1	07/27/14 06:30	07/27/14 12:34	7429-90-5	
Antimony	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:34	7440-36-0	
Arsenic	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:34	7440-38-2	
Barium	**210**	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:34	7440-39-3	
Beryllium	ND	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:34	7440-41-7	
Cadmium	ND	ug/L	3.0	1	07/27/14 06:30	07/27/14 12:34	7440-43-9	
Calcium	**41500**	ug/L	500	1	07/27/14 06:30	07/27/14 12:34	7440-70-2	
Chromium	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:34	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:34	7440-48-4	
Copper	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:34	7440-50-8	
Iron	**2520**	ug/L	50.0	1	07/27/14 06:30	07/27/14 12:34	7439-89-6	
Lead	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:34	7439-92-1	
Magnesium	**6770**	ug/L	500	1	07/27/14 06:30	07/27/14 12:34	7439-95-4	
Manganese	**208**	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:34	7439-96-5	
Nickel	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:34	7440-02-0	
Potassium	**10900**	ug/L	2500	1	07/27/14 06:30	07/27/14 12:34	7440-09-7	
Selenium	**22.8**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:34	7782-49-2	
Silver	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:34	7440-22-4	
Sodium	**57000**	ug/L	1000	1	07/27/14 06:30	07/27/14 12:34	7440-23-5	
Thallium	**29.0**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:34	7440-28-0	
Vanadium	ND	ug/L	15.0	1	07/27/14 06:30	07/27/14 12:34	7440-62-2	
Zinc	**40.7**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:34	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/27/14 07:55	07/27/14 12:39	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
Phenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	111-44-4	
2-Chlorophenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	95-48-7	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW04 **Lab ID: 10275337002** Collected: 07/25/14 09:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Chloroisopropyl) ether	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	108-60-1	
3&4-Methylphenol	ND	ug/L	22.0	1	07/26/14 12:29	07/27/14 17:43		
N-Nitroso-di-n-propylamine	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	621-64-7	
Hexachloroethane	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	67-72-1	
Nitrobenzene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	98-95-3	
Isophorone	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	78-59-1	
2-Nitrophenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	88-75-5	
2,4-Dimethylphenol	ND	ug/L	54.9	1	07/26/14 12:29	07/27/14 17:43	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	111-91-1	
2,4-Dichlorophenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	120-82-1	
Naphthalene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	91-20-3	
4-Chloroaniline	ND	ug/L	54.9	1	07/26/14 12:29	07/27/14 17:43	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	59-50-7	
2-Methylnaphthalene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	95-95-4	
2-Chloronaphthalene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	91-58-7	
2-Nitroaniline	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	88-74-4	
Dimethylphthalate	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	131-11-3	
Acenaphthylene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	606-20-2	
3-Nitroaniline	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	99-09-2	
Acenaphthene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	83-32-9	
2,4-Dinitrophenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	51-28-5	
4-Nitrophenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	100-02-7	
Dibenzofuran	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	121-14-2	
Diethylphthalate	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	7005-72-3	
Fluorene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	86-73-7	
4-Nitroaniline	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	101-55-3	
Hexachlorobenzene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	118-74-1	
Pentachlorophenol	ND	ug/L	22.0	1	07/26/14 12:29	07/27/14 17:43	87-86-5	
Phenanthrene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	85-01-8	
Anthracene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	120-12-7	
Di-n-butylphthalate	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	84-74-2	
Fluoranthene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	206-44-0	
Pyrene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	129-00-0	
Butylbenzylphthalate	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	54.9	1	07/26/14 12:29	07/27/14 17:43	91-94-1	
Benzo(a)anthracene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	56-55-3	
Chrysene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	218-01-9	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW04 **Lab ID: 10275337002** Collected: 07/25/14 09:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	117-81-7	L3
Di-n-octylphthalate	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	207-08-9	
Benzo(a)pyrene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	122-66-7	
Carbazole	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	86-74-8	
1-Methylnaphthalene	ND	ug/L	11.0	1	07/26/14 12:29	07/27/14 17:43	90-12-0	
Surrogates								
Nitrobenzene-d5 (S)	78	%.	60-125	1	07/26/14 12:29	07/27/14 17:43	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	55-125	1	07/26/14 12:29	07/27/14 17:43	321-60-8	
Terphenyl-d14 (S)	60	%.	67-125	1	07/26/14 12:29	07/27/14 17:43	1718-51-0	S0
Phenol-d6 (S)	71	%.	59-125	1	07/26/14 12:29	07/27/14 17:43	13127-88-3	
2-Fluorophenol (S)	68	%.	53-125	1	07/26/14 12:29	07/27/14 17:43	367-12-4	
2,4,6-Tribromophenol (S)	87	%.	66-125	1	07/26/14 12:29	07/27/14 17:43	118-79-6	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C							
Fluoride	ND	mg/L	1.0	1		07/28/14 12:28	16984-48-8	
ASTM D516 Sulfate Water	Analytical Method: ASTM D516							
Sulfate	**57.2**	mg/L	5.0	2		07/28/14 10:26	14808-79-8	
SM4500Cl-E Chloride	Analytical Method: SM 4500-Cl E							
Chloride	**43.3**	mg/L	4.0	2		07/28/14 11:53	16887-00-6	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW05 **Lab ID: 10275337003** Collected: 07/25/14 10:40 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510							
Motor Oil Range (C24-C36)	**1.7**	mg/L	0.10	1	07/26/14 12:28	07/27/14 15:10		
TPH-DRO (C10-C28)	**1.4**	mg/L	0.050	1	07/26/14 12:28	07/27/14 15:10		
Surrogates								
o-Terphenyl (S)	54	%.	30-150	1	07/26/14 12:28	07/27/14 15:10	84-15-1	
n-Triacontane (S)	80	%.	30-150	1	07/26/14 12:28	07/27/14 15:10	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021							
Gasoline Range Organics	ND	ug/L	100	1		07/26/14 18:19		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	74-125	1		07/26/14 18:19	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**3390**	ug/L	200	1	07/27/14 06:30	07/27/14 12:39	7429-90-5	
Antimony	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:39	7440-36-0	
Arsenic	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:39	7440-38-2	
Barium	**198**	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:39	7440-39-3	
Beryllium	ND	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:39	7440-41-7	
Cadmium	ND	ug/L	3.0	1	07/27/14 06:30	07/27/14 12:39	7440-43-9	
Calcium	**44900**	ug/L	500	1	07/27/14 06:30	07/27/14 12:39	7440-70-2	
Chromium	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:39	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:39	7440-48-4	
Copper	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:39	7440-50-8	
Iron	**2770**	ug/L	50.0	1	07/27/14 06:30	07/27/14 12:39	7439-89-6	
Lead	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:39	7439-92-1	
Magnesium	**7500**	ug/L	500	1	07/27/14 06:30	07/27/14 12:39	7439-95-4	
Manganese	**401**	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:39	7439-96-5	
Nickel	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:39	7440-02-0	
Potassium	**8800**	ug/L	2500	1	07/27/14 06:30	07/27/14 12:39	7440-09-7	
Selenium	**23.1**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:39	7782-49-2	
Silver	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:39	7440-22-4	
Sodium	**42900**	ug/L	1000	1	07/27/14 06:30	07/27/14 12:39	7440-23-5	
Thallium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:39	7440-28-0	
Vanadium	ND	ug/L	15.0	1	07/27/14 06:30	07/27/14 12:39	7440-62-2	
Zinc	**47.5**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:39	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/27/14 07:55	07/27/14 12:41	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
Phenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	111-44-4	
2-Chlorophenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	95-48-7	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW05 **Lab ID: 10275337003** Collected: 07/25/14 10:40 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Chloroisopropyl) ether	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	108-60-1	
3&4-Methylphenol	ND	ug/L	21.5	1	07/26/14 12:29	07/27/14 18:15		
N-Nitroso-di-n-propylamine	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	621-64-7	
Hexachloroethane	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	67-72-1	
Nitrobenzene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	98-95-3	
Isophorone	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	78-59-1	
2-Nitrophenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	88-75-5	
2,4-Dimethylphenol	ND	ug/L	53.8	1	07/26/14 12:29	07/27/14 18:15	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	120-82-1	
Naphthalene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	91-20-3	
4-Chloroaniline	ND	ug/L	53.8	1	07/26/14 12:29	07/27/14 18:15	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	91-58-7	
2-Nitroaniline	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	88-74-4	
Dimethylphthalate	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	131-11-3	
Acenaphthylene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	606-20-2	
3-Nitroaniline	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	99-09-2	
Acenaphthene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	83-32-9	
2,4-Dinitrophenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	51-28-5	
4-Nitrophenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	100-02-7	
Dibenzofuran	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	121-14-2	
Diethylphthalate	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	7005-72-3	
Fluorene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	86-73-7	
4-Nitroaniline	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	101-55-3	
Hexachlorobenzene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	118-74-1	
Pentachlorophenol	ND	ug/L	21.5	1	07/26/14 12:29	07/27/14 18:15	87-86-5	
Phenanthrene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	85-01-8	
Anthracene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	84-74-2	
Fluoranthene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	206-44-0	
Pyrene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	53.8	1	07/26/14 12:29	07/27/14 18:15	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	56-55-3	
Chrysene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	218-01-9	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW05 **Lab ID: 10275337003** Collected: 07/25/14 10:40 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	117-81-7	L3
Di-n-octylphthalate	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	122-66-7	
Carbazole	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.8	1	07/26/14 12:29	07/27/14 18:15	90-12-0	
Surrogates								
Nitrobenzene-d5 (S)	79	%.	60-125	1	07/26/14 12:29	07/27/14 18:15	4165-60-0	
2-Fluorobiphenyl (S)	78	%.	55-125	1	07/26/14 12:29	07/27/14 18:15	321-60-8	
Terphenyl-d14 (S)	63	%.	67-125	1	07/26/14 12:29	07/27/14 18:15	1718-51-0	S5
Phenol-d6 (S)	4	%.	59-125	1	07/26/14 12:29	07/27/14 18:15	13127-88-3	S5
2-Fluorophenol (S)	19	%.	53-125	1	07/26/14 12:29	07/27/14 18:15	367-12-4	S5
2,4,6-Tribromophenol (S)	48	%.	66-125	1	07/26/14 12:29	07/27/14 18:15	118-79-6	S5
SM4500F-C Fluoride	Analytical Method: SM 4500F/C							
Fluoride	ND	mg/L	1.0	1		07/28/14 12:31	16984-48-8	
ASTM D516 Sulfate Water	Analytical Method: ASTM D516							
Sulfate	**63.7**	mg/L	12.5	5		07/28/14 10:29	14808-79-8	
SM4500Cl-E Chloride	Analytical Method: SM 4500-Cl E							
Chloride	**55.9**	mg/L	4.0	2		07/28/14 11:53	16887-00-6	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW06 **Lab ID: 10275337004** Collected: 07/25/14 11:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510							
Motor Oil Range (C24-C36)	**1.4**	mg/L	0.10	1	07/26/14 12:28	07/27/14 15:31		
TPH-DRO (C10-C28)	**1.5**	mg/L	0.050	1	07/26/14 12:28	07/27/14 15:31		
Surrogates								
o-Terphenyl (S)	47	%.	30-150	1	07/26/14 12:28	07/27/14 15:31	84-15-1	
n-Triacontane (S)	75	%.	30-150	1	07/26/14 12:28	07/27/14 15:31	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021							
Gasoline Range Organics	ND	ug/L	100	1		07/26/14 18:39		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	74-125	1		07/26/14 18:39	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**3370**	ug/L	200	1	07/27/14 06:30	07/27/14 12:52	7429-90-5	
Antimony	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:52	7440-36-0	
Arsenic	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:52	7440-38-2	
Barium	**156**	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:52	7440-39-3	
Beryllium	ND	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:52	7440-41-7	
Cadmium	ND	ug/L	3.0	1	07/27/14 06:30	07/27/14 12:52	7440-43-9	
Calcium	**46500**	ug/L	500	1	07/27/14 06:30	07/27/14 12:52	7440-70-2	
Chromium	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:52	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:52	7440-48-4	
Copper	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:52	7440-50-8	
Iron	**2870**	ug/L	50.0	1	07/27/14 06:30	07/27/14 12:52	7439-89-6	
Lead	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:52	7439-92-1	
Magnesium	**9950**	ug/L	500	1	07/27/14 06:30	07/27/14 12:52	7439-95-4	
Manganese	**773**	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:52	7439-96-5	
Nickel	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:52	7440-02-0	
Potassium	**11700**	ug/L	2500	1	07/27/14 06:30	07/27/14 12:52	7440-09-7	
Selenium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:52	7782-49-2	
Silver	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:52	7440-22-4	
Sodium	**65600**	ug/L	1000	1	07/27/14 06:30	07/27/14 12:52	7440-23-5	
Thallium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:52	7440-28-0	
Vanadium	ND	ug/L	15.0	1	07/27/14 06:30	07/27/14 12:52	7440-62-2	
Zinc	**39.8**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:52	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/27/14 07:55	07/27/14 12:43	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
Phenol	**11.2**	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	111-44-4	
2-Chlorophenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	95-48-7	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW06 **Lab ID: 10275337004** Collected: 07/25/14 11:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Chloroisopropyl) ether	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	108-60-1	
3&4-Methylphenol	ND	ug/L	20.8	1	07/26/14 12:29	07/27/14 18:46		
N-Nitroso-di-n-propylamine	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	621-64-7	
Hexachloroethane	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	67-72-1	
Nitrobenzene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	98-95-3	
Isophorone	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	78-59-1	
2-Nitrophenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	88-75-5	
2,4-Dimethylphenol	ND	ug/L	52.1	1	07/26/14 12:29	07/27/14 18:46	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	120-82-1	
Naphthalene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	91-20-3	
4-Chloroaniline	ND	ug/L	52.1	1	07/26/14 12:29	07/27/14 18:46	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	91-58-7	
2-Nitroaniline	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	88-74-4	
Dimethylphthalate	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	131-11-3	
Acenaphthylene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	606-20-2	
3-Nitroaniline	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	99-09-2	
Acenaphthene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	83-32-9	
2,4-Dinitrophenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	51-28-5	
4-Nitrophenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	100-02-7	
Dibenzofuran	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	121-14-2	
Diethylphthalate	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	7005-72-3	
Fluorene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	86-73-7	
4-Nitroaniline	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	101-55-3	
Hexachlorobenzene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	118-74-1	
Pentachlorophenol	ND	ug/L	20.8	1	07/26/14 12:29	07/27/14 18:46	87-86-5	
Phenanthrene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	85-01-8	
Anthracene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	84-74-2	
Fluoranthene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	206-44-0	
Pyrene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	52.1	1	07/26/14 12:29	07/27/14 18:46	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	56-55-3	
Chrysene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	218-01-9	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW06 **Lab ID: 10275337004** Collected: 07/25/14 11:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	117-81-7	L3
Di-n-octylphthalate	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	122-66-7	
Carbazole	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.4	1	07/26/14 12:29	07/27/14 18:46	90-12-0	
Surrogates								
Nitrobenzene-d5 (S)	76	%.	60-125	1	07/26/14 12:29	07/27/14 18:46	4165-60-0	
2-Fluorobiphenyl (S)	78	%.	55-125	1	07/26/14 12:29	07/27/14 18:46	321-60-8	
Terphenyl-d14 (S)	66	%.	67-125	1	07/26/14 12:29	07/27/14 18:46	1718-51-0	S0
Phenol-d6 (S)	77	%.	59-125	1	07/26/14 12:29	07/27/14 18:46	13127-88-3	
2-Fluorophenol (S)	69	%.	53-125	1	07/26/14 12:29	07/27/14 18:46	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	66-125	1	07/26/14 12:29	07/27/14 18:46	118-79-6	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C							
Fluoride	ND	mg/L	1.0	1		07/28/14 12:41	16984-48-8	
ASTM D516 Sulfate Water	Analytical Method: ASTM D516							
Sulfate	**104**	mg/L	12.5	5		07/28/14 10:29	14808-79-8	
SM4500Cl-E Chloride	Analytical Method: SM 4500-Cl E							
Chloride	**79.0**	mg/L	10.0	5		07/28/14 12:23	16887-00-6	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW07 **Lab ID: 10275337005** Collected: 07/25/14 12:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510							
Motor Oil Range (C24-C36)	**0.59**	mg/L	0.10	1	07/26/14 12:28	07/27/14 14:26		
TPH-DRO (C10-C28)	**0.13**	mg/L	0.050	1	07/26/14 12:28	07/27/14 14:26		
Surrogates								
o-Terphenyl (S)	67	%.	30-150	1	07/26/14 12:28	07/27/14 14:26	84-15-1	
n-Triacontane (S)	70	%.	30-150	1	07/26/14 12:28	07/27/14 14:26	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021							
Gasoline Range Organics	ND	ug/L	100	1		07/26/14 18:59		
Surrogates								
a,a,a-Trifluorotoluene (S)	100	%.	74-125	1		07/26/14 18:59	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	ND	ug/L	200	1	07/27/14 06:30	07/27/14 12:57	7429-90-5	
Antimony	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:57	7440-36-0	
Arsenic	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:57	7440-38-2	
Barium	**26.9**	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:57	7440-39-3	
Beryllium	ND	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:57	7440-41-7	
Cadmium	ND	ug/L	3.0	1	07/27/14 06:30	07/27/14 12:57	7440-43-9	
Calcium	**66000**	ug/L	500	1	07/27/14 06:30	07/27/14 12:57	7440-70-2	
Chromium	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:57	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:57	7440-48-4	
Copper	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:57	7440-50-8	
Iron	**296**	ug/L	50.0	1	07/27/14 06:30	07/27/14 12:57	7439-89-6	
Lead	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:57	7439-92-1	
Magnesium	**72300**	ug/L	500	1	07/27/14 06:30	07/27/14 12:57	7439-95-4	
Manganese	**143**	ug/L	5.0	1	07/27/14 06:30	07/27/14 12:57	7439-96-5	
Nickel	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:57	7440-02-0	
Potassium	**8530**	ug/L	2500	1	07/27/14 06:30	07/27/14 12:57	7440-09-7	
Selenium	**24.9**	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:57	7782-49-2	
Silver	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 12:57	7440-22-4	
Sodium	**414000**	ug/L	5000	5	07/27/14 06:30	07/27/14 13:34	7440-23-5	
Thallium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:57	7440-28-0	
Vanadium	ND	ug/L	15.0	1	07/27/14 06:30	07/27/14 12:57	7440-62-2	
Zinc	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 12:57	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/27/14 07:55	07/27/14 12:45	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
Phenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	111-44-4	
2-Chlorophenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	95-48-7	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW07 **Lab ID: 10275337005** Collected: 07/25/14 12:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Chloroisopropyl) ether	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	108-60-1	
3&4-Methylphenol	ND	ug/L	21.1	1	07/26/14 12:29	07/27/14 19:18		
N-Nitroso-di-n-propylamine	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	621-64-7	
Hexachloroethane	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	67-72-1	
Nitrobenzene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	98-95-3	
Isophorone	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	78-59-1	
2-Nitrophenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	88-75-5	
2,4-Dimethylphenol	ND	ug/L	52.6	1	07/26/14 12:29	07/27/14 19:18	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	120-82-1	
Naphthalene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	91-20-3	
4-Chloroaniline	ND	ug/L	52.6	1	07/26/14 12:29	07/27/14 19:18	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	91-58-7	
2-Nitroaniline	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	88-74-4	
Dimethylphthalate	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	131-11-3	
Acenaphthylene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	606-20-2	
3-Nitroaniline	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	99-09-2	
Acenaphthene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	83-32-9	
2,4-Dinitrophenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	51-28-5	
4-Nitrophenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	100-02-7	
Dibenzofuran	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	121-14-2	
Diethylphthalate	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	7005-72-3	
Fluorene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	86-73-7	
4-Nitroaniline	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	101-55-3	
Hexachlorobenzene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	118-74-1	
Pentachlorophenol	ND	ug/L	21.1	1	07/26/14 12:29	07/27/14 19:18	87-86-5	
Phenanthrene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	85-01-8	
Anthracene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	84-74-2	
Fluoranthene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	206-44-0	
Pyrene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	52.6	1	07/26/14 12:29	07/27/14 19:18	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	56-55-3	
Chrysene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	218-01-9	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW07 **Lab ID: 10275337005** Collected: 07/25/14 12:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	117-81-7	L3
Di-n-octylphthalate	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	122-66-7	
Carbazole	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.5	1	07/26/14 12:29	07/27/14 19:18	90-12-0	
Surrogates								
Nitrobenzene-d5 (S)	78	%.	60-125	1	07/26/14 12:29	07/27/14 19:18	4165-60-0	
2-Fluorobiphenyl (S)	78	%.	55-125	1	07/26/14 12:29	07/27/14 19:18	321-60-8	
Terphenyl-d14 (S)	68	%.	67-125	1	07/26/14 12:29	07/27/14 19:18	1718-51-0	
Phenol-d6 (S)	81	%.	59-125	1	07/26/14 12:29	07/27/14 19:18	13127-88-3	
2-Fluorophenol (S)	76	%.	53-125	1	07/26/14 12:29	07/27/14 19:18	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	66-125	1	07/26/14 12:29	07/27/14 19:18	118-79-6	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		07/28/14 17:37	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		07/28/14 17:37	107-05-1	
Benzene	ND	ug/L	1.0	1		07/28/14 17:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/28/14 17:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/28/14 17:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/28/14 17:37	75-27-4	
Bromoform	ND	ug/L	4.0	1		07/28/14 17:37	75-25-2	
Bromomethane	ND	ug/L	4.0	1		07/28/14 17:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/28/14 17:37	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		07/28/14 17:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/28/14 17:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/28/14 17:37	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		07/28/14 17:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/28/14 17:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/28/14 17:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/28/14 17:37	67-66-3	
Chloromethane	ND	ug/L	4.0	1		07/28/14 17:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/28/14 17:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/28/14 17:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		07/28/14 17:37	96-12-8	L3
Dibromochloromethane	ND	ug/L	1.0	1		07/28/14 17:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/28/14 17:37	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		07/28/14 17:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:37	106-46-7	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW07 **Lab ID: 10275337005** Collected: 07/25/14 12:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/28/14 17:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/28/14 17:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/28/14 17:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/28/14 17:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/28/14 17:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/28/14 17:37	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		07/28/14 17:37	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		07/28/14 17:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/28/14 17:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		07/28/14 17:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/28/14 17:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		07/28/14 17:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		07/28/14 17:37	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		07/28/14 17:37	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		07/28/14 17:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/28/14 17:37	87-68-3	L3
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		07/28/14 17:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/28/14 17:37	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		07/28/14 17:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/28/14 17:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/28/14 17:37	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		07/28/14 17:37	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		07/28/14 17:37	103-65-1	
Styrene	ND	ug/L	1.0	1		07/28/14 17:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/28/14 17:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/28/14 17:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/28/14 17:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		07/28/14 17:37	109-99-9	
Toluene	ND	ug/L	1.0	1		07/28/14 17:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/28/14 17:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/28/14 17:37	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		07/28/14 17:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/28/14 17:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		07/28/14 17:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		07/28/14 17:37	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		07/28/14 17:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		07/28/14 17:37	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		07/28/14 17:37	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		07/28/14 17:37	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		07/28/14 17:37	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		07/28/14 17:37	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		07/28/14 17:37	460-00-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW07 **Lab ID: 10275337005** Collected: 07/25/14 12:10 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM4500F-C Fluoride	Analytical Method: SM 4500F/C							
Fluoride	ND	mg/L	1.0	1		07/28/14 12:44	16984-48-8	
ASTM D516 Sulfate Water	Analytical Method: ASTM D516							
Sulfate	**747**	mg/L	125	50		07/28/14 10:37	14808-79-8	
SM4500Cl-E Chloride	Analytical Method: SM 4500-Cl E							
Chloride	**106**	mg/L	10.0	5		07/28/14 12:26	16887-00-6	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW08 **Lab ID: 10275337006** Collected: 07/25/14 13:50 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel	Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510							
Motor Oil Range (C24-C36)	**2.7**	mg/L	0.10	1	07/26/14 12:28	07/27/14 14:48		
TPH-DRO (C10-C28)	**2.8**	mg/L	0.050	1	07/26/14 12:28	07/27/14 14:48		
Surrogates								
o-Terphenyl (S)	46	%.	30-150	1	07/26/14 12:28	07/27/14 14:48	84-15-1	
n-Triacontane (S)	86	%.	30-150	1	07/26/14 12:28	07/27/14 14:48	638-68-6	
8015/8021 GCV GRO/BTEX	Analytical Method: EPA 8015/8021							
Gasoline Range Organics	ND	ug/L	100	1		07/26/14 19:19		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	74-125	1		07/26/14 19:19	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	**1410**	ug/L	200	1	07/27/14 06:30	07/27/14 13:04	7429-90-5	
Antimony	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 13:04	7440-36-0	
Arsenic	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 13:04	7440-38-2	
Barium	**109**	ug/L	10.0	1	07/27/14 06:30	07/27/14 13:04	7440-39-3	
Beryllium	ND	ug/L	5.0	1	07/27/14 06:30	07/27/14 13:04	7440-41-7	
Cadmium	ND	ug/L	3.0	1	07/27/14 06:30	07/27/14 13:04	7440-43-9	
Calcium	**40300**	ug/L	500	1	07/27/14 06:30	07/27/14 13:04	7440-70-2	
Chromium	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 13:04	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 13:04	7440-48-4	
Copper	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 13:04	7440-50-8	
Iron	**1320**	ug/L	50.0	1	07/27/14 06:30	07/27/14 13:04	7439-89-6	
Lead	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 13:04	7439-92-1	
Magnesium	**9280**	ug/L	500	1	07/27/14 06:30	07/27/14 13:04	7439-95-4	
Manganese	**1020**	ug/L	5.0	1	07/27/14 06:30	07/27/14 13:04	7439-96-5	
Nickel	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 13:04	7440-02-0	
Potassium	**11200**	ug/L	2500	1	07/27/14 06:30	07/27/14 13:04	7440-09-7	
Selenium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 13:04	7782-49-2	
Silver	ND	ug/L	10.0	1	07/27/14 06:30	07/27/14 13:04	7440-22-4	
Sodium	**80300**	ug/L	1000	1	07/27/14 06:30	07/27/14 13:04	7440-23-5	
Thallium	ND	ug/L	20.0	1	07/27/14 06:30	07/27/14 13:04	7440-28-0	
Vanadium	ND	ug/L	15.0	1	07/27/14 06:30	07/27/14 13:04	7440-62-2	
Zinc	**35.0**	ug/L	20.0	1	07/27/14 06:30	07/27/14 13:04	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/27/14 07:55	07/27/14 12:47	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
Phenol	**27.4**	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	108-95-2	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	111-44-4	
2-Chlorophenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	95-57-8	
1,3-Dichlorobenzene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	106-46-7	
1,2-Dichlorobenzene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	95-50-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	95-48-7	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW08 **Lab ID: 10275337006** Collected: 07/25/14 13:50 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Chloroisopropyl) ether	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	108-60-1	
3&4-Methylphenol	ND	ug/L	20.5	1	07/26/14 12:29	07/27/14 19:50		
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	621-64-7	
Hexachloroethane	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	67-72-1	
Nitrobenzene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	98-95-3	
Isophorone	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	78-59-1	
2-Nitrophenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	88-75-5	
2,4-Dimethylphenol	ND	ug/L	51.3	1	07/26/14 12:29	07/27/14 19:50	105-67-9	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	111-91-1	
2,4-Dichlorophenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	120-83-2	
1,2,4-Trichlorobenzene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	120-82-1	
Naphthalene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	91-20-3	
4-Chloroaniline	ND	ug/L	51.3	1	07/26/14 12:29	07/27/14 19:50	106-47-8	
Hexachloro-1,3-butadiene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	87-68-3	
4-Chloro-3-methylphenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	59-50-7	
2-Methylnaphthalene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	91-57-6	
2,4,6-Trichlorophenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	88-06-2	
2,4,5-Trichlorophenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	95-95-4	
2-Chloronaphthalene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	91-58-7	
2-Nitroaniline	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	88-74-4	
Dimethylphthalate	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	131-11-3	
Acenaphthylene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	208-96-8	
2,6-Dinitrotoluene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	606-20-2	
3-Nitroaniline	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	99-09-2	
Acenaphthene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	83-32-9	
2,4-Dinitrophenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	51-28-5	
4-Nitrophenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	100-02-7	
Dibenzofuran	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	132-64-9	
2,4-Dinitrotoluene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	121-14-2	
Diethylphthalate	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	84-66-2	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	7005-72-3	
Fluorene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	86-73-7	
4-Nitroaniline	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	100-01-6	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	534-52-1	
N-Nitrosodiphenylamine	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	86-30-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	101-55-3	
Hexachlorobenzene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	118-74-1	
Pentachlorophenol	ND	ug/L	20.5	1	07/26/14 12:29	07/27/14 19:50	87-86-5	
Phenanthrene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	85-01-8	
Anthracene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	120-12-7	
Di-n-butylphthalate	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	84-74-2	
Fluoranthene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	206-44-0	
Pyrene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	129-00-0	
Butylbenzylphthalate	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	85-68-7	
3,3'-Dichlorobenzidine	ND	ug/L	51.3	1	07/26/14 12:29	07/27/14 19:50	91-94-1	
Benzo(a)anthracene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	56-55-3	
Chrysene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	218-01-9	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725SW08 **Lab ID: 10275337006** Collected: 07/25/14 13:50 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3520							
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	117-81-7	L3
Di-n-octylphthalate	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	117-84-0	
Benzo(b)fluoranthene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	205-99-2	
Benzo(k)fluoranthene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	207-08-9	
Benzo(a)pyrene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	50-32-8	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	193-39-5	
Dibenz(a,h)anthracene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	53-70-3	
Benzo(g,h,i)perylene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	191-24-2	
N-Nitrosodimethylamine	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	62-75-9	
1,2-Diphenylhydrazine	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	122-66-7	
Carbazole	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	86-74-8	
1-Methylnaphthalene	ND	ug/L	10.3	1	07/26/14 12:29	07/27/14 19:50	90-12-0	
Surrogates								
Nitrobenzene-d5 (S)	79	%.	60-125	1	07/26/14 12:29	07/27/14 19:50	4165-60-0	
2-Fluorobiphenyl (S)	75	%.	55-125	1	07/26/14 12:29	07/27/14 19:50	321-60-8	
Terphenyl-d14 (S)	73	%.	67-125	1	07/26/14 12:29	07/27/14 19:50	1718-51-0	
Phenol-d6 (S)	86	%.	59-125	1	07/26/14 12:29	07/27/14 19:50	13127-88-3	
2-Fluorophenol (S)	79	%.	53-125	1	07/26/14 12:29	07/27/14 19:50	367-12-4	
2,4,6-Tribromophenol (S)	91	%.	66-125	1	07/26/14 12:29	07/27/14 19:50	118-79-6	
SM4500F-C Fluoride	Analytical Method: SM 4500F/C							
Fluoride	ND	mg/L	1.0	1		07/28/14 12:47	16984-48-8	
ASTM D516 Sulfate Water	Analytical Method: ASTM D516							
Sulfate	**109**	mg/L	12.5	5		07/28/14 10:29	14808-79-8	
SM4500Cl-E Chloride	Analytical Method: SM 4500-Cl E							
Chloride	**87.7**	mg/L	10.0	5		07/28/14 12:23	16887-00-6	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725WC01 **Lab ID: 10275337007** Collected: 07/25/14 15:40 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 07/28/14 11:16 Initial pH: 8.16; Final pH: 0.65							
Arsenic	**0.20**	mg/L	0.10	1	07/28/14 12:53	07/29/14 10:07	7440-38-2	
Barium	**0.97**	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:07	7440-39-3	
Cadmium	ND	mg/L	0.015	1	07/28/14 12:53	07/29/14 10:07	7440-43-9	
Chromium	ND	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:07	7440-47-3	
Lead	ND	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:07	7439-92-1	
Selenium	ND	mg/L	0.10	1	07/28/14 12:53	07/29/14 10:07	7782-49-2	
Silver	ND	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:07	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
	Leachate Method/Date: EPA 1311; 07/28/14 11:16 Initial pH: 8.16; Final pH: 0.65							
Mercury	ND	ug/L	0.60	1	07/28/14 15:03	07/29/14 09:54	7439-97-6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.9**	Std. Units	0.10	1		07/28/14 09:25		H6

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725WC02 **Lab ID: 10275337008** Collected: 07/25/14 16:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 07/28/14 11:16 Initial pH: 7.73; Final pH: 0.57							
Arsenic	**0.23**	mg/L	0.10	1	07/28/14 12:53	07/29/14 10:46	7440-38-2	
Barium	**0.89**	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:46	7440-39-3	
Cadmium	**0.068**	mg/L	0.015	1	07/28/14 12:53	07/29/14 10:46	7440-43-9	
Chromium	**0.078**	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:46	7440-47-3	
Lead	**0.055**	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:46	7439-92-1	B
Selenium	ND	mg/L	0.10	1	07/28/14 12:53	07/29/14 10:46	7782-49-2	
Silver	ND	mg/L	0.050	1	07/28/14 12:53	07/29/14 10:46	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470A Preparation Method: EPA 7470A							
	Leachate Method/Date: EPA 1311; 07/28/14 11:16 Initial pH: 7.73; Final pH: 0.57							
Mercury	ND	ug/L	0.60	1	07/28/14 15:03	07/29/14 10:00	7439-97-6	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.1**	Std. Units	0.10	1		07/28/14 09:25		H6

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725TB02 **Lab ID: 10275337010** Collected: 07/25/14 00:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		07/28/14 16:50	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		07/28/14 16:50	107-05-1	
Benzene	ND	ug/L	1.0	1		07/28/14 16:50	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/28/14 16:50	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/28/14 16:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/28/14 16:50	75-27-4	
Bromoform	ND	ug/L	4.0	1		07/28/14 16:50	75-25-2	
Bromomethane	ND	ug/L	4.0	1		07/28/14 16:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/28/14 16:50	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		07/28/14 16:50	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/28/14 16:50	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/28/14 16:50	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		07/28/14 16:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/28/14 16:50	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/28/14 16:50	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/28/14 16:50	67-66-3	
Chloromethane	ND	ug/L	4.0	1		07/28/14 16:50	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/28/14 16:50	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/28/14 16:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		07/28/14 16:50	96-12-8	L3
Dibromochloromethane	ND	ug/L	1.0	1		07/28/14 16:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/28/14 16:50	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		07/28/14 16:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 16:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 16:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 16:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/28/14 16:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/28/14 16:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/28/14 16:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/28/14 16:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/28/14 16:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/28/14 16:50	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		07/28/14 16:50	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		07/28/14 16:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/28/14 16:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		07/28/14 16:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/28/14 16:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		07/28/14 16:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		07/28/14 16:50	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		07/28/14 16:50	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		07/28/14 16:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/28/14 16:50	87-68-3	L3
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		07/28/14 16:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/28/14 16:50	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		07/28/14 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/28/14 16:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/28/14 16:50	1634-04-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725TB02 **Lab ID: 10275337010** Collected: 07/25/14 00:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		07/28/14 16:50	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		07/28/14 16:50	103-65-1	
Styrene	ND	ug/L	1.0	1		07/28/14 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/28/14 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/28/14 16:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/28/14 16:50	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		07/28/14 16:50	109-99-9	
Toluene	ND	ug/L	1.0	1		07/28/14 16:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/28/14 16:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/28/14 16:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/28/14 16:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/28/14 16:50	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		07/28/14 16:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/28/14 16:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		07/28/14 16:50	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		07/28/14 16:50	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		07/28/14 16:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		07/28/14 16:50	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		07/28/14 16:50	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		07/28/14 16:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		07/28/14 16:50	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		07/28/14 16:50	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		07/28/14 16:50	460-00-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725TB03 **Lab ID: 10275337011** Collected: 07/25/14 00:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		07/28/14 17:14	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		07/28/14 17:14	107-05-1	
Benzene	ND	ug/L	1.0	1		07/28/14 17:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/28/14 17:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/28/14 17:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/28/14 17:14	75-27-4	
Bromoform	ND	ug/L	4.0	1		07/28/14 17:14	75-25-2	
Bromomethane	ND	ug/L	4.0	1		07/28/14 17:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/28/14 17:14	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		07/28/14 17:14	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		07/28/14 17:14	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		07/28/14 17:14	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		07/28/14 17:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/28/14 17:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/28/14 17:14	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/28/14 17:14	67-66-3	
Chloromethane	ND	ug/L	4.0	1		07/28/14 17:14	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/28/14 17:14	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/28/14 17:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		07/28/14 17:14	96-12-8	L3
Dibromochloromethane	ND	ug/L	1.0	1		07/28/14 17:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/28/14 17:14	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		07/28/14 17:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/28/14 17:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/28/14 17:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/28/14 17:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/28/14 17:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/28/14 17:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/28/14 17:14	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		07/28/14 17:14	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		07/28/14 17:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/28/14 17:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		07/28/14 17:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/28/14 17:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		07/28/14 17:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		07/28/14 17:14	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		07/28/14 17:14	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		07/28/14 17:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/28/14 17:14	87-68-3	L3
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		07/28/14 17:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/28/14 17:14	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		07/28/14 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/28/14 17:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/28/14 17:14	1634-04-4	

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ANALYTICAL RESULTS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Sample: 0725TB03 **Lab ID: 10275337011** Collected: 07/25/14 00:00 Received: 07/26/14 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		07/28/14 17:14	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		07/28/14 17:14	103-65-1	
Styrene	ND	ug/L	1.0	1		07/28/14 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/28/14 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/28/14 17:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		07/28/14 17:14	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		07/28/14 17:14	109-99-9	
Toluene	ND	ug/L	1.0	1		07/28/14 17:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/28/14 17:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/28/14 17:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/28/14 17:14	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		07/28/14 17:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/28/14 17:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		07/28/14 17:14	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		07/28/14 17:14	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		07/28/14 17:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		07/28/14 17:14	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		07/28/14 17:14	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		07/28/14 17:14	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%.	75-125	1		07/28/14 17:14	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		07/28/14 17:14	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	1		07/28/14 17:14	460-00-4	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: GCV/12358 Analysis Method: EPA 8015/8021
QC Batch Method: EPA 8015/8021 Analysis Description: 8015 GAS
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1743635 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	07/26/14 13:49	
a,a,a-Trifluorotoluene (S)	%.	99	74-125	07/26/14 13:49	

LABORATORY CONTROL SAMPLE: 1743636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	1000	1020	102	80-120	
a,a,a-Trifluorotoluene (S)	%.			106	74-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1743644 1743645

Parameter	Units	10275165003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Gasoline Range Organics	ug/L	514	1000	1000	1440	1470	93	96	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%.						100	100	74-125			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: MERP/11176 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 10275337007, 10275337008

METHOD BLANK: 1744577 Matrix: Water
Associated Lab Samples: 10275337007, 10275337008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	07/29/14 09:39	

METHOD BLANK: 1743840 Matrix: Water
Associated Lab Samples: 10275337007, 10275337008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	07/29/14 09:45	

METHOD BLANK: 1743841 Matrix: Water
Associated Lab Samples: 10275337007, 10275337008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.60	07/29/14 09:47	

LABORATORY CONTROL SAMPLE: 1744578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	15	14.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744579 1744580

Parameter	Units	10275337007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	15	15	15.1	14.7	100	97	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: MERP/11143 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1743832 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/27/14 12:14	

LABORATORY CONTROL SAMPLE: 1743833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1743834 1743835

Parameter	Units	10275338002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.8	4.8	96	95	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: MPRP/47781 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET TCLP
Associated Lab Samples: 10275337007, 10275337008

METHOD BLANK: 1744567 | Matrix: Water
Associated Lab Samples: 10275337007, 10275337008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.10	07/29/14 09:43	
Barium	mg/L	ND	0.050	07/29/14 09:43	
Cadmium	mg/L	ND	0.015	07/29/14 09:43	
Chromium	mg/L	ND	0.050	07/29/14 09:43	
Lead	mg/L	ND	0.050	07/29/14 09:43	
Selenium	mg/L	ND	0.10	07/29/14 09:43	
Silver	mg/L	ND	0.050	07/29/14 09:43	

METHOD BLANK: 1743840 | Matrix: Water
Associated Lab Samples: 10275337007, 10275337008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.10	07/29/14 09:55	
Barium	mg/L	ND	0.050	07/29/14 09:55	
Cadmium	mg/L	ND	0.015	07/29/14 09:55	
Chromium	mg/L	ND	0.050	07/29/14 09:55	
Lead	mg/L	ND	0.050	07/29/14 09:55	
Selenium	mg/L	ND	0.10	07/29/14 09:55	
Silver	mg/L	ND	0.050	07/29/14 09:55	

METHOD BLANK: 1743841 | Matrix: Water
Associated Lab Samples: 10275337007, 10275337008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.10	07/29/14 10:02	
Barium	mg/L	ND	0.050	07/29/14 10:02	
Cadmium	mg/L	ND	0.015	07/29/14 10:02	
Chromium	mg/L	ND	0.050	07/29/14 10:02	
Lead	mg/L	0.18	0.050	07/29/14 10:02	
Selenium	mg/L	ND	0.10	07/29/14 10:02	
Silver	mg/L	ND	0.050	07/29/14 10:02	

LABORATORY CONTROL SAMPLE: 1744568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	5	5.1	101	80-120	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

LABORATORY CONTROL SAMPLE: 1744568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	5	4.9	99	80-120	
Cadmium	mg/L	5	5.1	102	80-120	
Chromium	mg/L	5	4.9	99	80-120	
Lead	mg/L	5	4.7	94	80-120	
Selenium	mg/L	5	5.3	105	80-120	
Silver	mg/L	2.5	2.5	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744569 1744570

Parameter	Units	10275337007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	0.20	5	5	5.6	5.3	108	102	75-125	6	30	
Barium	mg/L	0.97	5	5	5.9	5.6	99	93	75-125	6	30	
Cadmium	mg/L	ND	5	5	5.2	5.0	105	99	75-125	6	30	
Chromium	mg/L	ND	5	5	5.1	4.8	102	96	75-125	6	30	
Lead	mg/L	ND	5	5	4.7	4.4	93	88	75-125	5	30	
Selenium	mg/L	ND	5	5	5.3	5.0	107	101	75-125	6	30	
Silver	mg/L	ND	2.5	2.5	2.6	2.5	104	99	75-125	6	30	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: MPRP/47718 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1743828 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	07/27/14 12:01	
Antimony	ug/L	ND	20.0	07/27/14 12:01	
Arsenic	ug/L	ND	20.0	07/27/14 12:01	
Barium	ug/L	ND	10.0	07/27/14 12:01	
Beryllium	ug/L	ND	5.0	07/27/14 12:01	
Cadmium	ug/L	ND	3.0	07/27/14 12:01	
Calcium	ug/L	ND	500	07/27/14 12:01	
Chromium	ug/L	ND	10.0	07/27/14 12:01	
Cobalt	ug/L	ND	10.0	07/27/14 12:01	
Copper	ug/L	ND	10.0	07/27/14 12:01	
Iron	ug/L	ND	50.0	07/27/14 12:01	
Lead	ug/L	ND	10.0	07/27/14 12:01	
Magnesium	ug/L	ND	500	07/27/14 12:01	
Manganese	ug/L	ND	5.0	07/27/14 12:01	
Nickel	ug/L	ND	20.0	07/27/14 12:01	
Potassium	ug/L	ND	2500	07/27/14 12:01	
Selenium	ug/L	ND	20.0	07/27/14 12:01	
Silver	ug/L	ND	10.0	07/27/14 12:01	
Sodium	ug/L	ND	1000	07/27/14 12:01	
Thallium	ug/L	ND	20.0	07/27/14 12:01	
Vanadium	ug/L	ND	15.0	07/27/14 12:01	
Zinc	ug/L	ND	20.0	07/27/14 12:01	

LABORATORY CONTROL SAMPLE: 1743829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9660	97	80-120	
Antimony	ug/L	1000	994	99	80-120	
Arsenic	ug/L	1000	961	96	80-120	
Barium	ug/L	1000	978	98	80-120	
Beryllium	ug/L	1000	978	98	80-120	
Cadmium	ug/L	1000	968	97	80-120	
Calcium	ug/L	10000	9820	98	80-120	
Chromium	ug/L	1000	976	98	80-120	
Cobalt	ug/L	1000	972	97	80-120	
Copper	ug/L	1000	976	98	80-120	
Iron	ug/L	10000	9490	95	80-120	
Lead	ug/L	1000	964	96	80-120	
Magnesium	ug/L	10000	9480	95	80-120	
Manganese	ug/L	1000	974	97	80-120	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

LABORATORY CONTROL SAMPLE: 1743829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	1000	971	97	80-120	
Potassium	ug/L	10000	9540	95	80-120	
Selenium	ug/L	1000	966	97	80-120	
Silver	ug/L	500	487	97	80-120	
Sodium	ug/L	10000	9440	94	80-120	
Thallium	ug/L	1000	972	97	80-120	
Vanadium	ug/L	1000	970	97	80-120	
Zinc	ug/L	1000	973	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1743830 1743831

Parameter	Units	10275337001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	4400	10000	10000	16500	17300	121	129	75-125	5	20	M1
Antimony	ug/L	ND	1000	1000	1010	1000	101	100	75-125	1	20	
Arsenic	ug/L	ND	1000	1000	981	979	98	98	75-125	0	20	
Barium	ug/L	313	1000	1000	1310	1330	100	102	75-125	2	20	
Beryllium	ug/L	ND	1000	1000	999	1000	100	100	75-125	0	20	
Cadmium	ug/L	ND	1000	1000	967	968	97	97	75-125	0	20	
Calcium	ug/L	45300	10000	10000	56700	56700	114	114	75-125	0	20	
Chromium	ug/L	ND	1000	1000	983	989	98	98	75-125	1	20	
Cobalt	ug/L	ND	1000	1000	972	977	97	97	75-125	0	20	
Copper	ug/L	ND	1000	1000	1030	1010	102	100	75-125	2	20	
Iron	ug/L	3830	10000	10000	14300	15100	104	113	75-125	6	20	
Lead	ug/L	ND	1000	1000	939	953	93	95	75-125	2	20	
Magnesium	ug/L	7290	10000	10000	17200	17400	99	101	75-125	1	20	
Manganese	ug/L	322	1000	1000	1290	1290	96	97	75-125	1	20	
Nickel	ug/L	ND	1000	1000	971	974	96	97	75-125	0	20	
Potassium	ug/L	8940	10000	10000	19100	19200	101	103	75-125	1	20	
Selenium	ug/L	ND	1000	1000	1010	990	99	97	75-125	2	20	
Silver	ug/L	ND	500	500	483	487	96	97	75-125	1	20	
Sodium	ug/L	37600	10000	10000	47000	47100	94	95	75-125	0	20	
Thallium	ug/L	ND	1000	1000	816	824	81	82	75-125	1	20	
Vanadium	ug/L	ND	1000	1000	1000	1000	99	99	75-125	0	20	
Zinc	ug/L	67.4	1000	1000	1020	1030	95	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: MSV/27956 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10275337005, 10275337010, 10275337011

METHOD BLANK: 1745457 Matrix: Water
Associated Lab Samples: 10275337005, 10275337010, 10275337011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/28/14 11:46	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/28/14 11:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/28/14 11:46	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/28/14 11:46	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	07/28/14 11:46	
1,1-Dichloroethane	ug/L	ND	1.0	07/28/14 11:46	
1,1-Dichloroethene	ug/L	ND	1.0	07/28/14 11:46	
1,1-Dichloropropene	ug/L	ND	1.0	07/28/14 11:46	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/28/14 11:46	
1,2,3-Trichloropropane	ug/L	ND	4.0	07/28/14 11:46	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/28/14 11:46	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	07/28/14 11:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	07/28/14 11:46	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/28/14 11:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/28/14 11:46	
1,2-Dichloroethane	ug/L	ND	1.0	07/28/14 11:46	
1,2-Dichloropropane	ug/L	ND	4.0	07/28/14 11:46	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	07/28/14 11:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/28/14 11:46	
1,3-Dichloropropane	ug/L	ND	1.0	07/28/14 11:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/28/14 11:46	
2,2-Dichloropropane	ug/L	ND	4.0	07/28/14 11:46	
2-Butanone (MEK)	ug/L	ND	5.0	07/28/14 11:46	
2-Chlorotoluene	ug/L	ND	1.0	07/28/14 11:46	
4-Chlorotoluene	ug/L	ND	1.0	07/28/14 11:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	07/28/14 11:46	
Acetone	ug/L	ND	20.0	07/28/14 11:46	
Allyl chloride	ug/L	ND	4.0	07/28/14 11:46	
Benzene	ug/L	ND	1.0	07/28/14 11:46	
Bromobenzene	ug/L	ND	1.0	07/28/14 11:46	
Bromochloromethane	ug/L	ND	1.0	07/28/14 11:46	
Bromodichloromethane	ug/L	ND	1.0	07/28/14 11:46	
Bromoform	ug/L	ND	4.0	07/28/14 11:46	
Bromomethane	ug/L	ND	4.0	07/28/14 11:46	
Carbon tetrachloride	ug/L	ND	1.0	07/28/14 11:46	
Chlorobenzene	ug/L	ND	1.0	07/28/14 11:46	
Chloroethane	ug/L	ND	1.0	07/28/14 11:46	
Chloroform	ug/L	ND	1.0	07/28/14 11:46	
Chloromethane	ug/L	ND	4.0	07/28/14 11:46	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/28/14 11:46	
cis-1,3-Dichloropropene	ug/L	ND	4.0	07/28/14 11:46	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

METHOD BLANK: 1745457 Matrix: Water
Associated Lab Samples: 10275337005, 10275337010, 10275337011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	07/28/14 11:46	
Dibromomethane	ug/L	ND	4.0	07/28/14 11:46	
Dichlorodifluoromethane	ug/L	ND	1.0	07/28/14 11:46	
Dichlorofluoromethane	ug/L	ND	1.0	07/28/14 11:46	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	07/28/14 11:46	
Ethylbenzene	ug/L	ND	1.0	07/28/14 11:46	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/28/14 11:46	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	07/28/14 11:46	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/28/14 11:46	
Methylene Chloride	ug/L	ND	4.0	07/28/14 11:46	
n-Butylbenzene	ug/L	ND	1.0	07/28/14 11:46	
n-Propylbenzene	ug/L	ND	1.0	07/28/14 11:46	
Naphthalene	ug/L	ND	4.0	07/28/14 11:46	
p-Isopropyltoluene	ug/L	ND	1.0	07/28/14 11:46	
sec-Butylbenzene	ug/L	ND	1.0	07/28/14 11:46	
Styrene	ug/L	ND	1.0	07/28/14 11:46	
tert-Butylbenzene	ug/L	ND	1.0	07/28/14 11:46	
Tetrachloroethene	ug/L	ND	1.0	07/28/14 11:46	
Tetrahydrofuran	ug/L	ND	10.0	07/28/14 11:46	
Toluene	ug/L	ND	1.0	07/28/14 11:46	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/28/14 11:46	
trans-1,3-Dichloropropene	ug/L	ND	4.0	07/28/14 11:46	
Trichloroethene	ug/L	ND	0.40	07/28/14 11:46	
Trichlorofluoromethane	ug/L	ND	1.0	07/28/14 11:46	
Vinyl chloride	ug/L	ND	0.40	07/28/14 11:46	
Xylene (Total)	ug/L	ND	3.0	07/28/14 11:46	
1,2-Dichloroethane-d4 (S)	%.	94	75-125	07/28/14 11:46	
4-Bromofluorobenzene (S)	%.	104	75-125	07/28/14 11:46	
Toluene-d8 (S)	%.	101	75-125	07/28/14 11:46	

LABORATORY CONTROL SAMPLE & LCSD: 1745458 1745577

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	23.9	24.6	119	123	75-125	3	20	
1,1,1-Trichloroethane	ug/L	20	20.6	22.2	103	111	73-125	8	20	
1,1,2,2-Tetrachloroethane	ug/L	20	21.1	21.5	105	108	74-125	2	20	
1,1,2-Trichloroethane	ug/L	20	19.9	21.6	100	108	75-125	8	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.4	20.9	97	104	56-133	7	20	
1,1-Dichloroethane	ug/L	20	18.8	20.0	94	100	75-125	6	20	
1,1-Dichloroethene	ug/L	20	20.5	22.5	103	113	70-125	9	20	
1,1-Dichloropropene	ug/L	20	19.4	21.7	97	109	73-125	11	20	
1,2,3-Trichlorobenzene	ug/L	20	23.5	24.5	117	123	75-125	4	20	
1,2,3-Trichloropropane	ug/L	20	20.8	21.8	104	109	75-125	4	20	
1,2,4-Trichlorobenzene	ug/L	20	24.0	24.0	120	120	75-125	0	20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

LABORATORY CONTROL SAMPLE & LCSD: 1745458 1745577

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.8	22.0	104	110	75-125	5	20	
1,2-Dibromo-3-chloropropane	ug/L	50	65.3	63.4	131	127	70-125	3	20	L0
1,2-Dibromoethane (EDB)	ug/L	20	21.1	22.8	105	114	75-125	8	20	
1,2-Dichlorobenzene	ug/L	20	20.7	22.1	104	110	75-125	6	20	
1,2-Dichloroethane	ug/L	20	18.2	19.2	91	96	75-125	5	20	
1,2-Dichloropropane	ug/L	20	18.2	20.1	91	100	75-125	10	20	
1,3,5-Trimethylbenzene	ug/L	20	21.1	22.2	105	111	75-125	5	20	
1,3-Dichlorobenzene	ug/L	20	20.3	21.7	102	109	75-125	7	20	
1,3-Dichloropropane	ug/L	20	20.3	21.7	102	109	75-125	7	20	
1,4-Dichlorobenzene	ug/L	20	19.5	20.6	98	103	75-125	6	20	
2,2-Dichloropropane	ug/L	20	21.6	18.7	108	94	66-130	14	20	
2-Butanone (MEK)	ug/L	100	98.9	103	99	103	64-126	4	20	
2-Chlorotoluene	ug/L	20	19.9	21.2	99	106	73-125	6	20	
4-Chlorotoluene	ug/L	20	20.0	21.1	100	105	75-125	5	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	90.3	95.6	90	96	71-125	6	20	
Acetone	ug/L	100	104	125	104	125	66-131	19	20	
Allyl chloride	ug/L	20	18.9	18.2	94	91	70-129	4	20	
Benzene	ug/L	20	18.7	20.6	94	103	75-125	10	20	
Bromobenzene	ug/L	20	20.1	22.4	100	112	75-125	11	20	
Bromochloromethane	ug/L	20	19.4	20.5	97	102	75-125	6	20	
Bromodichloromethane	ug/L	20	20.7	21.0	103	105	75-125	2	20	
Bromoform	ug/L	20	23.4	24.1	117	120	70-125	3	20	
Bromomethane	ug/L	20	15.7	25.1	79	126	30-150	46	20	R1
Carbon tetrachloride	ug/L	20	21.7	22.3	109	111	68-129	3	20	
Chlorobenzene	ug/L	20	20.2	21.0	101	105	75-125	4	20	
Chloroethane	ug/L	20	16.8	18.1	84	90	68-133	7	20	
Chloroform	ug/L	20	18.7	20.2	93	101	75-125	8	20	
Chloromethane	ug/L	20	15.9	17.8	80	89	57-140	11	20	
cis-1,2-Dichloroethene	ug/L	20	19.5	21.1	97	105	75-125	8	20	
cis-1,3-Dichloropropene	ug/L	20	20.9	19.8	104	99	75-125	5	20	
Dibromochloromethane	ug/L	20	22.1	22.9	110	115	75-125	4	20	
Dibromomethane	ug/L	20	19.6	20.6	98	103	75-125	5	20	
Dichlorodifluoromethane	ug/L	20	14.8	15.6	74	78	50-134	5	20	
Dichlorofluoromethane	ug/L	20	17.9	19.4	89	97	74-125	8	20	
Diethyl ether (Ethyl ether)	ug/L	20	18.5	19.3	92	97	75-125	4	20	
Ethylbenzene	ug/L	20	19.7	20.9	98	105	75-125	6	20	
Hexachloro-1,3-butadiene	ug/L	20	26.7	24.3	134	122	74-128	9	20	L0
Isopropylbenzene (Cumene)	ug/L	20	21.6	22.8	108	114	73-125	5	20	
Methyl-tert-butyl ether	ug/L	20	18.8	19.3	94	96	75-125	3	20	
Methylene Chloride	ug/L	20	18.6	20.6	93	103	75-125	10	20	
n-Butylbenzene	ug/L	20	23.0	23.1	115	116	73-125	1	20	
n-Propylbenzene	ug/L	20	20.9	22.1	104	110	72-125	5	20	
Naphthalene	ug/L	20	24.1	24.9	121	124	74-125	3	20	
p-Isopropyltoluene	ug/L	20	23.4	23.3	117	117	74-125	0	20	
sec-Butylbenzene	ug/L	20	23.1	23.5	116	117	74-125	2	20	
Styrene	ug/L	20	20.8	22.7	104	113	75-125	8	20	
tert-Butylbenzene	ug/L	20	21.3	22.2	106	111	74-125	4	20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

LABORATORY CONTROL SAMPLE & LCSD: 1745458 1745577

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/L	20	21.9	24.4	110	122	71-125	11	20	
Tetrahydrofuran	ug/L	200	210	247	105	124	70-125	16	20	
Toluene	ug/L	20	19.8	20.8	99	104	75-125	5	20	
trans-1,2-Dichloroethene	ug/L	20	20.2	21.4	101	107	73-125	6	20	
trans-1,3-Dichloropropene	ug/L	20	23.3	22.0	117	110	75-125	6	20	
Trichloroethene	ug/L	20	20.3	21.2	101	106	75-125	4	20	
Trichlorofluoromethane	ug/L	20	16.7	18.5	83	92	70-128	10	20	
Vinyl chloride	ug/L	20	17.2	18.6	86	93	70-130	8	20	
Xylene (Total)	ug/L	60	62.1	66.5	103	111	75-125	7	20	
1,2-Dichloroethane-d4 (S)	%.				97	96	75-125			
4-Bromofluorobenzene (S)	%.				96	94	75-125			
Toluene-d8 (S)	%.				104	98	75-125			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: OEXT/25825 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3510 Analysis Description: 8015 GCS
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1743684 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Motor Oil Range (C24-C36)	mg/L	ND	0.10	07/27/14 12:16	
TPH-DRO (C10-C28)	mg/L	ND	0.050	07/27/14 12:16	
n-Triacontane (S)	%.	78	30-150	07/27/14 12:16	
o-Terphenyl (S)	%.	82	30-150	07/27/14 12:16	

LABORATORY CONTROL SAMPLE & LCSD: 1743685 1743703

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Motor Oil Range (C24-C36)	mg/L	1	0.90	0.89	90	89	66-126	1	20	
TPH-DRO (C10-C28)	mg/L	1	0.85	0.82	85	82	64-125	3	20	
n-Triacontane (S)	%.				85	72	30-150			
o-Terphenyl (S)	%.				84	81	30-150			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: OEXT/25826 Analysis Method: EPA 8270
QC Batch Method: EPA 3520 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1743691 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	07/27/14 15:36	
1,2-Dichlorobenzene	ug/L	ND	10.0	07/27/14 15:36	
1,2-Diphenylhydrazine	ug/L	ND	10.0	07/27/14 15:36	
1,3-Dichlorobenzene	ug/L	ND	10.0	07/27/14 15:36	
1,4-Dichlorobenzene	ug/L	ND	10.0	07/27/14 15:36	
1-Methylnaphthalene	ug/L	ND	10.0	07/27/14 15:36	
2,4,5-Trichlorophenol	ug/L	ND	10.0	07/27/14 15:36	
2,4,6-Trichlorophenol	ug/L	ND	10.0	07/27/14 15:36	
2,4-Dichlorophenol	ug/L	ND	10.0	07/27/14 15:36	
2,4-Dimethylphenol	ug/L	ND	50.0	07/27/14 15:36	
2,4-Dinitrophenol	ug/L	ND	10.0	07/27/14 15:36	
2,4-Dinitrotoluene	ug/L	ND	10.0	07/27/14 15:36	
2,6-Dinitrotoluene	ug/L	ND	10.0	07/27/14 15:36	
2-Chloronaphthalene	ug/L	ND	10.0	07/27/14 15:36	
2-Chlorophenol	ug/L	ND	10.0	07/27/14 15:36	
2-Methylnaphthalene	ug/L	ND	10.0	07/27/14 15:36	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	07/27/14 15:36	
2-Nitroaniline	ug/L	ND	10.0	07/27/14 15:36	
2-Nitrophenol	ug/L	ND	10.0	07/27/14 15:36	
3&4-Methylphenol	ug/L	ND	20.0	07/27/14 15:36	
3,3'-Dichlorobenzidine	ug/L	ND	50.0	07/27/14 15:36	
3-Nitroaniline	ug/L	ND	10.0	07/27/14 15:36	
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	07/27/14 15:36	
4-Bromophenylphenyl ether	ug/L	ND	10.0	07/27/14 15:36	
4-Chloro-3-methylphenol	ug/L	ND	10.0	07/27/14 15:36	
4-Chloroaniline	ug/L	ND	50.0	07/27/14 15:36	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	07/27/14 15:36	
4-Nitroaniline	ug/L	ND	10.0	07/27/14 15:36	
4-Nitrophenol	ug/L	ND	10.0	07/27/14 15:36	
Acenaphthene	ug/L	ND	10.0	07/27/14 15:36	
Acenaphthylene	ug/L	ND	10.0	07/27/14 15:36	
Anthracene	ug/L	ND	10.0	07/27/14 15:36	
Benzo(a)anthracene	ug/L	ND	10.0	07/27/14 15:36	
Benzo(a)pyrene	ug/L	ND	10.0	07/27/14 15:36	
Benzo(b)fluoranthene	ug/L	ND	10.0	07/27/14 15:36	
Benzo(g,h,i)perylene	ug/L	ND	10.0	07/27/14 15:36	
Benzo(k)fluoranthene	ug/L	ND	10.0	07/27/14 15:36	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	07/27/14 15:36	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	07/27/14 15:36	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	07/27/14 15:36	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	07/27/14 15:36	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

METHOD BLANK: 1743691 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	10.0	07/27/14 15:36	
Carbazole	ug/L	ND	10.0	07/27/14 15:36	
Chrysene	ug/L	ND	10.0	07/27/14 15:36	
Di-n-butylphthalate	ug/L	ND	10.0	07/27/14 15:36	
Di-n-octylphthalate	ug/L	ND	10.0	07/27/14 15:36	
Dibenz(a,h)anthracene	ug/L	ND	10.0	07/27/14 15:36	
Dibenzofuran	ug/L	ND	10.0	07/27/14 15:36	
Diethylphthalate	ug/L	ND	10.0	07/27/14 15:36	
Dimethylphthalate	ug/L	ND	10.0	07/27/14 15:36	
Fluoranthene	ug/L	ND	10.0	07/27/14 15:36	
Fluorene	ug/L	ND	10.0	07/27/14 15:36	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	07/27/14 15:36	
Hexachlorobenzene	ug/L	ND	10.0	07/27/14 15:36	
Hexachloroethane	ug/L	ND	10.0	07/27/14 15:36	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	07/27/14 15:36	
Isophorone	ug/L	ND	10.0	07/27/14 15:36	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	07/27/14 15:36	
N-Nitrosodimethylamine	ug/L	ND	10.0	07/27/14 15:36	
N-Nitrosodiphenylamine	ug/L	ND	10.0	07/27/14 15:36	
Naphthalene	ug/L	ND	10.0	07/27/14 15:36	
Nitrobenzene	ug/L	ND	10.0	07/27/14 15:36	
Pentachlorophenol	ug/L	ND	20.0	07/27/14 15:36	
Phenanthrene	ug/L	ND	10.0	07/27/14 15:36	
Phenol	ug/L	ND	10.0	07/27/14 15:36	
Pyrene	ug/L	ND	10.0	07/27/14 15:36	
2,4,6-Tribromophenol (S)	%.	89	66-125	07/27/14 15:36	
2-Fluorobiphenyl (S)	%.	75	55-125	07/27/14 15:36	
2-Fluorophenol (S)	%.	83	53-125	07/27/14 15:36	
Nitrobenzene-d5 (S)	%.	83	60-125	07/27/14 15:36	
Phenol-d6 (S)	%.	87	59-125	07/27/14 15:36	
Terphenyl-d14 (S)	%.	93	67-125	07/27/14 15:36	

LABORATORY CONTROL SAMPLE & LCSD: 1743692 1743693

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	35.0	37.0	70	74	60-125	5	20	
1,2-Dichlorobenzene	ug/L	50	31.9	34.2	64	68	59-125	7	20	
1,2-Diphenylhydrazine	ug/L	50	41.4	41.7	83	83	71-125	1	20	
1,3-Dichlorobenzene	ug/L	50	29.9	33.2	60	66	56-125	10	20	
1,4-Dichlorobenzene	ug/L	50	30.8	33.7	62	67	57-125	9	20	
1-Methylnaphthalene	ug/L	50	37.9	38.9	76	78	69-125	3	20	
2,4,5-Trichlorophenol	ug/L	50	39.0	40.7	78	81	75-125	4	20	
2,4,6-Trichlorophenol	ug/L	50	41.0	40.7	82	81	74-125	1	20	
2,4-Dichlorophenol	ug/L	50	38.2	39.6	76	79	68-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

LABORATORY CONTROL SAMPLE & LCSD: 1743692 1743693

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4-Dimethylphenol	ug/L	50	36.1J	37.1J	72	74	45-125		20	
2,4-Dinitrophenol	ug/L	50	31.4	33.1	63	66	30-142	5	20	
2,4-Dinitrotoluene	ug/L	50	40.9	41.9	82	84	75-125	2	20	
2,6-Dinitrotoluene	ug/L	50	40.0	40.8	80	82	75-125	2	20	
2-Chloronaphthalene	ug/L	50	38.2	40.3	76	81	72-125	5	20	
2-Chlorophenol	ug/L	50	36.1	38.9	72	78	57-125	8	20	
2-Methylnaphthalene	ug/L	50	37.7	38.9	75	78	70-125	3	20	
2-Methylphenol(o-Cresol)	ug/L	50	37.5	38.5	75	77	61-125	3	20	
2-Nitroaniline	ug/L	50	42.6	42.3	85	85	74-125	1	20	
2-Nitrophenol	ug/L	50	36.4	38.5	73	77	65-125	6	20	
3&4-Methylphenol	ug/L	50	37.7	38.7	75	77	65-125	3	20	
3,3'-Dichlorobenzidine	ug/L	50	45.3J	43J	91	86	65-129		20	
3-Nitroaniline	ug/L	50	41.4	43.6	83	87	70-127	5	20	
4,6-Dinitro-2-methylphenol	ug/L	50	37.7	37.8	75	76	45-134	0	20	
4-Bromophenylphenyl ether	ug/L	50	41.3	40.7	83	81	75-125	1	20	
4-Chloro-3-methylphenol	ug/L	50	41.5	40.2	83	80	75-125	3	20	
4-Chloroaniline	ug/L	50	31.1J	33.7J	62	67	45-125		20	
4-Chlorophenylphenyl ether	ug/L	50	40.3	41.3	81	83	75-125	2	20	
4-Nitroaniline	ug/L	50	41.1	41.0	82	82	71-125	0	20	
4-Nitrophenol	ug/L	50	41.3	41.9	83	84	65-126	2	20	
Acenaphthene	ug/L	50	39.2	39.6	78	79	75-125	1	20	
Acenaphthylene	ug/L	50	39.5	40.0	79	80	75-125	1	20	
Anthracene	ug/L	50	40.3	40.9	81	82	75-125	1	20	
Benzo(a)anthracene	ug/L	50	42.0	39.9	84	80	75-125	5	20	
Benzo(a)pyrene	ug/L	50	40.2	40.6	80	81	75-125	1	20	
Benzo(b)fluoranthene	ug/L	50	40.5	41.2	81	82	75-125	2	20	
Benzo(g,h,i)perylene	ug/L	50	41.8	41.5	84	83	75-125	1	20	
Benzo(k)fluoranthene	ug/L	50	40.6	40.4	81	81	75-125	0	20	
bis(2-Chloroethoxy)methane	ug/L	50	37.7	38.5	75	77	66-125	2	20	
bis(2-Chloroethyl) ether	ug/L	50	37.0	39.2	74	78	54-125	6	20	
bis(2-Chloroisopropyl) ether	ug/L	50	37.3	39.8	75	80	51-125	6	20	
bis(2-Ethylhexyl)phthalate	ug/L	50	99.4	40.8	199	82	75-125	84	20	L0,R1
Butylbenzylphthalate	ug/L	50	42.9	41.6	86	83	75-125	3	20	
Carbazole	ug/L	50	40.4	40.1	81	80	75-125	1	20	
Chrysene	ug/L	50	41.3	38.7	83	77	75-125	6	20	
Di-n-butylphthalate	ug/L	50	42.1	41.3	84	83	75-125	2	20	
Di-n-octylphthalate	ug/L	50	43.0	40.7	86	81	75-125	6	20	
Dibenz(a,h)anthracene	ug/L	50	40.9	41.8	82	84	75-125	2	20	
Dibenzofuran	ug/L	50	39.3	40.2	79	80	75-125	2	20	
Diethylphthalate	ug/L	50	41.3	41.6	83	83	75-125	1	20	
Dimethylphthalate	ug/L	50	40.7	41.1	81	82	75-125	1	20	
Fluoranthene	ug/L	50	41.1	40.9	82	82	75-125	0	20	
Fluorene	ug/L	50	39.8	40.8	80	82	75-125	3	20	
Hexachloro-1,3-butadiene	ug/L	50	33.7	37.0	67	74	56-125	9	20	
Hexachlorobenzene	ug/L	50	41.0	40.2	82	80	75-125	2	20	
Hexachloroethane	ug/L	50	30.7	32.3	61	65	52-125	5	20	
Indeno(1,2,3-cd)pyrene	ug/L	50	41.0	41.6	82	83	75-125	2	20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

LABORATORY CONTROL SAMPLE & LCSD: 1743692 1743693

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Isophorone	ug/L	50	40.4	39.8	81	80	71-125	2	20	
N-Nitroso-di-n-propylamine	ug/L	50	38.8	40.3	78	81	65-125	4	20	
N-Nitrosodimethylamine	ug/L	50	36.9	39.3	74	79	54-125	6	20	
N-Nitrosodiphenylamine	ug/L	50	39.7	39.8	79	80	75-125	0	20	
Naphthalene	ug/L	50	35.2	37.3	70	75	65-125	6	20	
Nitrobenzene	ug/L	50	37.3	37.9	75	76	61-125	2	20	
Pentachlorophenol	ug/L	50	38.8	37.8	78	76	46-128	3	20	
Phenanthrene	ug/L	50	40.5	40.1	81	80	75-125	1	20	
Phenol	ug/L	50	36.8	39.5	74	79	60-125	7	20	
Pyrene	ug/L	50	41.7	40.4	83	81	75-125	3	20	
2,4,6-Tribromophenol (S)	%.				87	85	66-125			
2-Fluorobiphenyl (S)	%.				71	70	55-125			
2-Fluorophenol (S)	%.				74	76	53-125			
Nitrobenzene-d5 (S)	%.				73	76	60-125			
Phenol-d6 (S)	%.				77	81	59-125			
Terphenyl-d14 (S)	%.				87	84	67-125			

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: WET/37174 | Analysis Method: SM 4500-H+B
QC Batch Method: SM 4500-H+B | Analysis Description: 4500H+B pH
Associated Lab Samples: 10275337007, 10275337008

LABORATORY CONTROL SAMPLE: 1744218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
pH at 25 Degrees C	Std. Units	5	5.0	99	98-102	H6

SAMPLE DUPLICATE: 1744219

Parameter	Units	10275175002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	3	H6

SAMPLE DUPLICATE: 1744220

Parameter	Units	10275196001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	0	3	H6

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: WET/37178 Analysis Method: SM 4500F/C
QC Batch Method: SM 4500F/C Analysis Description: SM4500F-C Fluoride
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1744495 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fluoride	mg/L	ND	1.0	07/28/14 12:14	

LABORATORY CONTROL SAMPLE: 1744496

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoride	mg/L	5	4.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744497 1744498

Parameter	Units	10275165001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	ND	5	5	4.6	5.2	82	94	80-120	13	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744499 1744500

Parameter	Units	10275338002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	ND	5	5	4.3	4.7	83	90	80-120	8	20	

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QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: WETA/19396 Analysis Method: ASTM D516
QC Batch Method: ASTM D516 Analysis Description: ASTM D516 Sulfate Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1744330 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	2.5	07/28/14 10:17	

LABORATORY CONTROL SAMPLE & LCSD: 1744331 1744332

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfate	mg/L	7.5	8.2	7.7	109	103	80-120	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744333 1744334

Parameter	Units	10274665001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	17.3	20	20	37.2	37.8	100	103	80-120	2	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744335 1744336

Parameter	Units	10274912001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	24.7	20	20	48.0	46.9	116	111	80-120	2	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

QC Batch: WETA/19397 Analysis Method: SM 4500-Cl E
QC Batch Method: SM 4500-Cl E Analysis Description: SM4500Cl-E Chloride
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

METHOD BLANK: 1744362 Matrix: Water
Associated Lab Samples: 10275337001, 10275337002, 10275337003, 10275337004, 10275337005, 10275337006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	2.0	07/28/14 11:41	

LABORATORY CONTROL SAMPLE: 1744363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	15	15.6	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744364 1744365

Parameter	Units	10274674001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.7	15	15	22.3	22.4	105	105	80-120	0	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1744366 1744367

Parameter	Units	10274912001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	44.7	15	15	57.8	57.1	87	83	80-120	1	30	

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QUALIFIERS

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

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-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: GCSV/13670
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: MSV/27956
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
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-REV
Pace Project No.: 10275337

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10275337001	**0725SW01**	EPA 3510	OEXT/25825	EPA 8015 Modified	GCSV/13670
10275337002	**0725SW04**	EPA 3510	OEXT/25825	EPA 8015 Modified	GCSV/13670
10275337003	**0725SW05**	EPA 3510	OEXT/25825	EPA 8015 Modified	GCSV/13670
10275337004	**0725SW06**	EPA 3510	OEXT/25825	EPA 8015 Modified	GCSV/13670
10275337005	**0725SW07**	EPA 3510	OEXT/25825	EPA 8015 Modified	GCSV/13670
10275337006	**0725SW08**	EPA 3510	OEXT/25825	EPA 8015 Modified	GCSV/13670
10275337001	**0725SW01**	EPA 8015/8021	GCV/12358		
10275337002	**0725SW04**	EPA 8015/8021	GCV/12358		
10275337003	**0725SW05**	EPA 8015/8021	GCV/12358		
10275337004	**0725SW06**	EPA 8015/8021	GCV/12358		
10275337005	**0725SW07**	EPA 8015/8021	GCV/12358		
10275337006	**0725SW08**	EPA 8015/8021	GCV/12358		
10275337007	**0725WC01**	EPA 3010	MPRP/47781	EPA 6010	ICP/20325
10275337008	**0725WC02**	EPA 3010	MPRP/47781	EPA 6010	ICP/20325
10275337001	**0725SW01**	EPA 3010	MPRP/47718	EPA 6010	ICP/20305
10275337002	**0725SW04**	EPA 3010	MPRP/47718	EPA 6010	ICP/20305
10275337003	**0725SW05**	EPA 3010	MPRP/47718	EPA 6010	ICP/20305
10275337004	**0725SW06**	EPA 3010	MPRP/47718	EPA 6010	ICP/20305
10275337005	**0725SW07**	EPA 3010	MPRP/47718	EPA 6010	ICP/20305
10275337006	**0725SW08**	EPA 3010	MPRP/47718	EPA 6010	ICP/20305
10275337007	**0725WC01**	EPA 7470A	MERP/11176	EPA 7470A	MERC/12816
10275337008	**0725WC02**	EPA 7470A	MERP/11176	EPA 7470A	MERC/12816
10275337001	**0725SW01**	EPA 7470	MERP/11143	EPA 7470	MERC/12802
10275337002	**0725SW04**	EPA 7470	MERP/11143	EPA 7470	MERC/12802
10275337003	**0725SW05**	EPA 7470	MERP/11143	EPA 7470	MERC/12802
10275337004	**0725SW06**	EPA 7470	MERP/11143	EPA 7470	MERC/12802
10275337005	**0725SW07**	EPA 7470	MERP/11143	EPA 7470	MERC/12802
10275337006	**0725SW08**	EPA 7470	MERP/11143	EPA 7470	MERC/12802
10275337001	**0725SW01**	EPA 3520	OEXT/25826	EPA 8270	MSSV/10850
10275337002	**0725SW04**	EPA 3520	OEXT/25826	EPA 8270	MSSV/10850
10275337003	**0725SW05**	EPA 3520	OEXT/25826	EPA 8270	MSSV/10850
10275337004	**0725SW06**	EPA 3520	OEXT/25826	EPA 8270	MSSV/10850
10275337005	**0725SW07**	EPA 3520	OEXT/25826	EPA 8270	MSSV/10850
10275337006	**0725SW08**	EPA 3520	OEXT/25826	EPA 8270	MSSV/10850
10275337005	**0725SW07**	EPA 8260	MSV/27956		
10275337010	**0725TB02**	EPA 8260	MSV/27956		
10275337011	**0725TB03**	EPA 8260	MSV/27956		
10275337007	**0725WC01**	SM 4500-H+B	WET/37174		
10275337008	**0725WC02**	SM 4500-H+B	WET/37174		
10275337001	**0725SW01**	SM 4500F/C	WET/37178		
10275337002	**0725SW04**	SM 4500F/C	WET/37178		
10275337003	**0725SW05**	SM 4500F/C	WET/37178		
10275337004	**0725SW06**	SM 4500F/C	WET/37178		
10275337005	**0725SW07**	SM 4500F/C	WET/37178		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 106460 Red River Supply-REV
Pace Project No.: 10275337

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10275337006	**0725SW08**	SM 4500F/C	WET/37178		
10275337001	**0725SW01**	ASTM D516	WETA/19396		
10275337002	**0725SW04**	ASTM D516	WETA/19396		
10275337003	**0725SW05**	ASTM D516	WETA/19396		
10275337004	**0725SW06**	ASTM D516	WETA/19396		
10275337005	**0725SW07**	ASTM D516	WETA/19396		
10275337006	**0725SW08**	ASTM D516	WETA/19396		
10275337001	**0725SW01**	SM 4500-Cl E	WETA/19397		
10275337002	**0725SW04**	SM 4500-Cl E	WETA/19397		
10275337003	**0725SW05**	SM 4500-Cl E	WETA/19397		
10275337004	**0725SW06**	SM 4500-Cl E	WETA/19397		
10275337005	**0725SW07**	SM 4500-Cl E	WETA/19397		
10275337006	**0725SW08**	SM 4500-Cl E	WETA/19397		

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RUSH
CMB 7.26.14

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10275337

Page: 1 of 1

1736180

Section A Required Client Information:

Company:	CTEH
Address:	5120 Northshore Dr
	N. Little Rock, AR 72118
Email To:	klawrence@cteh.com
Phone:	501-801-8572
Fax:	
Requested Due Date/TAT:	RUSH ASAP

Section B Required Project Information:

Report To:	klawrence@cteh.com
Copy To:	labresults@cteh.com
Purchase Order No.:	
Project Name:	Red River Supply
Project Number:	106460

Section C Invoice Information:

Attention:	Accounting
Company Name:	CTEH
Address:	5120 Northshore Dr.
Pace Quote Reference:	LRaccounting@cteh.com
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: AR

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) TPH-GRO 8015	TPH-DRO 8015	SVOCs-8270	VOCs-8260	Metals-6010	Herbicides-8151	Anions-300.0	Full TCLP	Reactivity, Corrosivity, Ignitability (RCI)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	0725SW01	WT	G			07/25/14	0945		11	4		1	6					X	X	X	X	X	X	X			10275337 001
2	0725SW04	WT	G			07/25/14	0900		11	4		1	6					X	X	X	X	X	X	X			002
3	0725SW05	WT	G			07/25/14	1040		11	4		1	6					X	X	X	X	X	X	X			003
4	0725SW06	WT	G			07/25/14	1110		11	4		1	6					X	X	X	X	X	X	X			004
5	0725SW07	WT	G			07/25/14	12:16		11	4		1	6					X	X	X	X	X	X	X			005
6	0725SW08	WT	G			07/25/14	13:50		11	4		1	6					X	X	X	X	X	X	X			006
7	0725WC01	WW	G			07/25/14	1540		16	16														X	X		007
8	0725WC02	WW	G			07/25/14	1600		16	16														X	X		008
9	0725TB01	WT	G						2				2								X						009
10	0725TB02	WT	G						2				2								X						010
11	0725TB03	WT	G						2				2								X						011
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
cooler #1, SW01 + SW04	[signature] CTEH	7-25	1645	Fed EX	7-25	1645				
cooler #2, SW05 + SW06				[signature] Pace	7/26/14	905	1.5	Y	Y	Y
cooler #3, SW07 + SW08							1.8			
cooler #4, WC01							5.3	2.3	5.1	
cooler #5, WC02										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ram Pandey

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/25/14

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

ED_001822A_00018729-00055

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 28Feb2014 Page 1 of 1
	Document No.: **F-MN-L-213-rev.09**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: CTEH

Project #: **WO# : 10275337**

10275337

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: See SEF

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No **Seals Intact?** ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☒ Yes ☐ No

Thermom. Used: ☐ B88A9130516413 ☒ B88A912167504 ☒ B88A9132521491 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): See SEF **Cooler Temp Corrected (°C):** See SEF **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Correction Factor:** TRUE **Date and Initials of Person Examining Contents:** CMB 7-26-14

				Comments:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☒ Yes	☐ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☒ No	☐ N/A	11.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☒ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☒ Yes	☐ No	☐ N/A	13. ☒ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☒ Yes	☐ No	☐ N/A	Sample # 1-6 1/1
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☒ Yes	☐ No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☒ No	☐ N/A	14.
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☒ No	☐ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: [signature] **Date:** 7-26-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)