

Sample Summary

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Quarterly

TestAmerica Job ID: 280-49462-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-49462-2	JAMES 11-27	Water	11/19/13 11:50	11/20/13 09:30
280-49462-3	SWEETWATER 43-20	Water	11/19/13 12:23	11/20/13 09:30
280-49462-4	SAN PABLO 11-4	Water	11/19/13 13:05	11/20/13 09:30
280-49462-5	SPIN DOCTOR 11-25	Water	11/19/13 13:43	11/20/13 09:30
280-49462-6	TRIP BLANK	Water	11/19/13 00:00	11/20/13 09:30

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Quarterly

TestAmerica Job ID: 280-49462-1

Client Sample ID: SWEETWATER 43-20

Lab Sample ID: 280-49462-3

Date Collected: 11/19/13 12:23

Matrix: Water

Date Received: 11/20/13 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.1		0.50		ug/L			11/21/13 21:35	1
Ethylbenzene	ND		0.50		ug/L			11/21/13 21:35	1
Toluene	ND		0.50		ug/L			11/21/13 21:35	1
Xylenes, Total	1.5		0.50		ug/L			11/21/13 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	104		85 - 115					11/21/13 21:35	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050		mg/L		11/21/13 12:15	11/28/13 03:10	1
Boron	0.071		0.050		mg/L		11/21/13 12:15	11/28/13 03:10	1
Calcium	4.3		0.10		mg/L		11/21/13 12:15	11/28/13 03:10	1
Chromium	ND		0.010		mg/L		11/21/13 12:15	11/28/13 03:10	1
Copper	ND		0.010		mg/L		11/21/13 12:15	11/28/13 03:10	1
Iron	2.1		0.050		mg/L		12/03/13 12:55	12/03/13 19:52	1
Potassium	ND		5.0		mg/L		11/21/13 12:15	11/28/13 03:10	1
Magnesium	1.6		0.10		mg/L		11/21/13 12:15	11/28/13 03:10	1
Manganese	0.022		0.010		mg/L		11/21/13 12:15	11/28/13 03:10	1
Sodium	840		2.0		mg/L		11/21/13 12:15	11/28/13 03:10	1
Selenium	ND		0.015		mg/L		11/21/13 12:15	11/28/13 03:10	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.1		0.050		mg/L		11/26/13 16:40	12/02/13 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	2.3		0.40		mg/L			11/29/13 19:48	2
Chloride	370		30		mg/L			11/30/13 00:41	10
Sulfate	ND		10		mg/L			11/29/13 19:48	2
Total Alkalinity	1300		5.0		mg/L			11/21/13 21:01	1
Bicarbonate Alkalinity as CaCO3	1200		5.0		mg/L			11/21/13 21:01	1
Carbonate Alkalinity as CaCO3	91		5.0		mg/L			11/21/13 21:01	1
Hydroxide Alkalinity	ND		5.0		mg/L			11/21/13 21:01	1
Total Dissolved Solids	1900		20		mg/L			11/25/13 17:07	1
Total Suspended Solids	29		4.0		mg/L			11/25/13 07:46	1
Sulfide	ND		0.050		mg/L			11/23/13 10:41	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	1.0019				No Unit			11/22/13 14:03	1
Specific Conductance	3200		1.0		umhos/cm			11/22/13 18:01	1
pH	8.58	HF	0.100		SU			11/20/13 18:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.59				SU			11/19/13 12:23	1
Field Conductivity	3201				umhos/cm			11/19/13 12:23	1
Field Temperature	15.6				Degrees C			11/19/13 12:23	1

TestAmerica Denver

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Quarterly

TestAmerica Job ID: 280-49462-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 280-49462-6

Date Collected: 11/19/13 00:00

Matrix: Water

Date Received: 11/20/13 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/21/13 19:12	1
Ethylbenzene	ND		0.50		ug/L			11/21/13 19:12	1
Toluene	ND		0.50		ug/L			11/21/13 19:12	1
Xylenes, Total	ND		0.50		ug/L			11/21/13 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	105		85 - 115					11/21/13 19:12	1

Surrogate Summary

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Quarterly

TestAmerica Job ID: 280-49462-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TFT1 (85-115)					
280-49442-A-1 MS	Matrix Spike	105					
280-49442-A-1 MSD	Matrix Spike Duplicate	109					
280-49462-2	JAMES 11-27	102					
280-49462-3	SWEETWATER 43-20	104					
280-49462-4	SAN PABLO 11-4	107					
280-49462-5	SPIN DOCTOR 11-25	106					
280-49462-6	TRIP BLANK	105					
LCS 280-202163/5	Lab Control Sample	108					
LCSD 280-202163/6	Lab Control Sample Dup	103					
MB 280-202163/4	Method Blank	106					
Surrogate Legend							
TFT = a,a,a-Trifluorotoluene							

