



1510476

GC/MS Volatiles:

The sample was analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C. The sample was also analyzed for Gasoline Range Organics (GRO).

All acceptance criteria were met.

Dissolved Gasses:

The sample was prepared and analyzed according to method RSK-175 procedures and the current revision of SOP 449.

All acceptance criteria were met.

DRO:

The sample was analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

BART:

The Biological Activity Reaction Test was completed with the Iron-Related Bacteria, Sulfate-Reducing Bacteria, and Slime-Forming Bacteria kit manufactured by Hach Company. The analysis was performed following the manufacturer provided instructions. If the target analyte is not detected (absent), then the sample will be reported with "ND" in the result field. If the target analyte is detected (present), then the sample will be reported with the estimated colony forming units/mL (cfu/mL) as provided by the manufacturer based on the day reaction was observed.

Metals:

The sample was analyzed following Methods for the Determination of Metals in Environmental Samples – Supplement 1 procedures. Analysis by ICPMS followed method 200.8 and the current revision of SOP 827.

The sample was to be analyzed for dissolved metals. The sample was filtered through a 0.45 micron filter and preserved with nitric acid to a pH less than 2 prior to analysis.



- n All initial and continuing calibration blanks were below the reporting limit for the requested analytes, with the exception of CCB5 for boron. None of the samples associated with this order number were bracketed by this CCB.
- n All initial and continuing calibration verifications were within the acceptance criteria for the requested analytes, with the exception of CCV2 for selenium. None of the samples associated with this order number were bracketed by this CCV.

All remaining acceptance criteria were met.

Inorganics:

The sample was analyzed following MCAWW, EMSL and Standard Method procedures for the current revisions of the following SOPs and methods:

| <u>Analyte</u> | <u>Method</u> | <u>SOP #</u> |
|----------------------|-------------------------|--------------|
| Alkalinity | SM2320B | 1106 |
| Bicarbonate | SM2320B | 1106 |
| Carbonate | SM2320B | 1106 |
| pH | SM4500-H ⁺ B | 1126 |
| Specific conductance | SM2510B | 1128 |
| Total phosphorus | 365.2 | 1119 |
| TDS | SM2540C | 1101 |
| Bromide | 300.0 Revision 2.1 | 1113 |
| Chloride | 300.0 Revision 2.1 | 1113 |
| Fluoride | 300.0 Revision 2.1 | 1113 |
| Nitrate as N | 300.0 Revision 2.1 | 1113 |
| Nitrite as N | 300.0 Revision 2.1 | 1113 |
| Total Nitrates | 300.0 Revision 2.1 | 1113 |
| Sulfate | 300.0 Revision 2.1 | 1113 |

A matrix spike (MS) and matrix spike duplicate (MSD) were prepared and analyzed with the anion batch. All guidance criteria for precision and accuracy were met.

Matrix spike recoveries could not be evaluated for the following analytes:

| <u>Analyte</u> | <u>Sample ID</u> |
|----------------|-------------------|
| Chloride | 1510476-1MS & MSD |
| Sulfate | 1510476-1MS & MSD |

The chloride and sulfate concentrations in the native sample were above the analytical range; therefore accurate quantitation of MS/MSD recoveries were not possible. The LCS, ICV, and CCV results indicate the procedure was in control for these analytes.

All remaining acceptance criteria were met.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1510476

Client Name: Western Water and Land, Inc.

Client Project Name: WPX GM 323-28 BWQ

Client Project Number:

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|----------------------|-------------------|------------|--------|----------------|----------------|
| GM 11-28-185334 | 1510476-1 | | WATER | 28-Oct-15 | 14:45 |



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 202r8

| | |
|-------------|----------------------------|
| WORKORDER # | 1510476 |
| PAGE | 1 of 1 |
| DISPOSAL | BY Lab or Return to Client |

| SAMPLER | PROJECT NO. | DATE | TURNAROUND | DATE | WORKORDER # |
|-------------|-------------------|----------|------------|----------|-------------|
| Nick Jawetz | WPX GM 323-28 Box | 10-28-15 | Standards | 10-28-15 | 1510476 |

| | |
|--------------------|--------------------------------|
| PROJECT NAME | WPX GM 323-28 Box |
| FACILITY NAME | |
| FACILITY ID (API) | |
| COMPANY NAME | Western Water & Land, Inc. |
| SEND REPORT TO | Bruce Smith |
| ADDRESS | 743 Horizon Court, Suite 330 |
| CITY / STATE / ZIP | Grand Junction, CO 81506 |
| PHONE | (970) 242-0170 |
| FAX | |
| E-MAIL | bsmith@westernwaterandland.com |

| | |
|--------------------|------------------------------|
| EDD FORMAT | |
| PURCHASE ORDER | |
| BILL TO COMPANY | WPX Energy |
| INVOICE ATTN TO | Mike Shoemaker |
| ADDRESS | 1058 CR 215 |
| CITY / STATE / ZIP | Parachute, CO 81635 |
| PHONE | (970) 250-5778 |
| FAX | |
| E-MAIL | mike.shoemaker@wpxenergy.com |

| Lab ID | Field ID | Matrix | Sample Date | Sample Time | # Bottles | Pres. | QC |
|--------|-----------------|--------|-------------|-------------|-----------|-------|----|
| (1) | GM 11-28-185334 | gw | 10-28-15 | 1445 | 13 | 1,3 | N |

Field Parameters

| Temp (°C) | Temp (°C) | pH (s.u.) | pH (s.u.) | DO (%) | DO (mg/L) | DO (mg/L) | DO (mg/L) | SpC (uS/cm) | SpC (uS/cm) | ORP (mv) | ORP (mv) | Turb (NTUs) | Turb (NTUs) | Disch (gpm) | Disch (gpm) | Disch (gpm) | Disch (gpm) |
|-----------|-----------|-----------|-----------|--------|-----------|-----------|-----------|-------------|-------------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|
| 15.28 | 7.10 | 6.0 | 0.59 | 1270 | 67.9 | 0.128 | 3.0 | | | | | | | | | | |

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:
 Sample was moderately fluorescent, bottles will have head space.

| RELINQUISHED BY | SIGNATURE | PRINTED NAME | DATE | TIME |
|-----------------|--------------------|--------------|----------|------|
| RECEIVED BY | <i>[Signature]</i> | Shelley KPP | 10-28-15 | 1530 |
| RELINQUISHED BY | <i>[Signature]</i> | | 10-28-15 | 1530 |
| RECEIVED BY | <i>[Signature]</i> | | 10-28-15 | 1600 |
| RELINQUISHED BY | <i>[Signature]</i> | Scott Malby | 10-29-15 | 0930 |
| RECEIVED BY | | | | |

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035



ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client: Western Water

Workorder No: 1510476

Project Manager: ARW

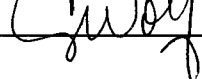
Initials: SDM Date: 10-29-15

| | | | |
|---|---------------------------------------|--------------------------------------|-------------------------------------|
| 1. Does this project require any special handling in addition to standard ALS procedures? | | YES | <input checked="" type="radio"/> NO |
| 2. Are custody seals on shipping containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 3. Are Custody seals on sample containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | | <input checked="" type="radio"/> YES | NO |
| 5. Are the COC and bottle labels complete and legible? | | <input checked="" type="radio"/> YES | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | | <input checked="" type="radio"/> YES | NO |
| 7. Were airbills / shipping documents present and/or removable? | DROP OFF | <input checked="" type="radio"/> YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | N/A | <input checked="" type="radio"/> YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? | N/A | <input checked="" type="radio"/> YES | NO |
| 10. Is there sufficient sample for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 11. Were all samples placed in the proper containers for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 12. Are all samples within holding times for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | | <input checked="" type="radio"/> YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: ___ < green pea ___ > green pea | N/A | <input checked="" type="radio"/> YES | NO |
| 15. Do any water samples contain sediment? Amount of sediment: ___ dusting ___ moderate ___ heavy | Amount N/A | YES | <input checked="" type="radio"/> NO |
| 16. Were the samples shipped on ice? | | <input checked="" type="radio"/> YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: <input checked="" type="radio"/> #2 #4 | RAD ONLY | <input checked="" type="radio"/> YES | NO |
| Cooler #: <u>1</u> | | | |
| Temperature (°C): <u>2.2</u> | | | |
| No. of custody seals on cooler: <u>0</u> | | | |
| External µR/hr reading: <u>10</u> | | | |
| Background µR/hr reading: <u>10</u> | | | |
| Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.) | | | |

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

No air bubbles visible at receipt. Analyst will check at time of analysis to see if micro bubbles coalesced afterwards

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date:  10/29/15

*IR Gun #2: Oakton, SN 29922500201-0066
*IR Gun #4: Oakton, SN 2372220101-0002

1510476

ORIGIN ID: RLA (616) 298-1033
NICK MARTINEZ
ALS ENVIRONMENTAL
127 E 1ST STREET
PARACHUTE CO 81635
UNITED STATES US

SHIP DATE: 28OCT15
ACTWGT: 42.00 LB
CAD: 108058167/NET3570
DIMS: 14x25x15 IN
BILL RECIPIENT

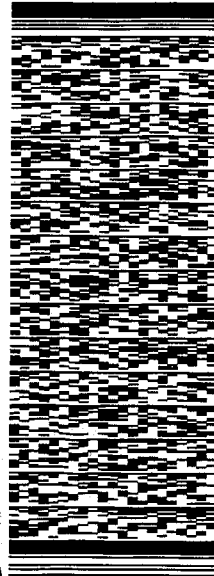
TO SAMPLE RECEIVING
ALS LABORATORY GROUP
225 COMMERCE DRIVE

FORT COLLINS CO 80524

(970) 490-1511 REF: 102815-4

INV. PARACHUTE

DEPT:



J153015091001uv

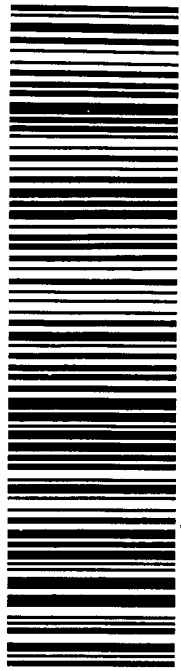
2.20c

TRK# 7748 5005 2380
0201

THU - 29 OCT 3:00P
STANDARD OVERNIGHT

72 FTCA

80524
CO-US DEN



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Client: Western Water and Land, Inc.
Project: WPX GM 323-28 BWQ
Sample ID: GM 11-28-185334
Legal Location:
Collection Date: 10/28/2015 14:45

Date: 13-Nov-15
Work Order: 1510476
Lab ID: 1510476-1
Matrix: WATER
Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|--|--------|------|--------------|--------|-----------------|------------------|
| Alkalinity as Calcium Carbonate | | | | | | |
| SM2320B Prep Date: 10/30/2015 PrepBy: TLB | | | | | | |
| BICARBONATE AS CaCO3 | 440 | | 20 | MG/L | 1 | 10/30/2015 |
| CARBONATE AS CaCO3 | ND | | 20 | MG/L | 1 | 10/30/2015 |
| TOTAL ALKALINITY AS CaCO3 | 440 | | 20 | MG/L | 1 | 10/30/2015 |
| Biological Activity Reaction Test | | | | | | |
| BART Prep Date: 11/3/2015 PrepBy: CDR | | | | | | |
| IRON RELATED BACTERIA | 9000 | | 1 | cfu/ml | 1 | 11/11/2015 |
| SLIME FORMING BACTERIA | 66500 | | 1 | cfu/ml | 1 | 11/11/2015 |
| SULFATE REDUCING BACTERIA | 18000 | | 1 | cfu/ml | 1 | 11/11/2015 |
| Diesel Range Organics | | | | | | |
| SW8015M Prep Date: 11/2/2015 PrepBy: JFN | | | | | | |
| Diesel Range Organics | ND | | 0.57 | MG/L | 1 | 11/2/2015 16:44 |
| Surr: O-TERPHENYL | 83 | | 63-126 | %REC | 1 | 11/2/2015 16:44 |
| Dissolved Gasses | | | | | | |
| RSK175 Prep Date: 10/30/2015 PrepBy: JFN | | | | | | |
| METHANE | ND | | 1 | UG/L | 1 | 10/30/2015 15:37 |
| ETHANE | ND | | 2 | UG/L | 1 | 10/30/2015 15:37 |
| PROPANE | ND | | 1 | UG/L | 1 | 10/30/2015 15:37 |
| GC/MS Volatiles | | | | | | |
| SW8260_25 Prep Date: 11/3/2015 PrepBy: JXK | | | | | | |
| BENZENE | ND | | 1 | UG/L | 1 | 11/3/2015 14:46 |
| TOLUENE | ND | | 1 | UG/L | 1 | 11/3/2015 14:46 |
| ETHYLBENZENE | ND | | 1 | UG/L | 1 | 11/3/2015 14:46 |
| M+P-XYLENE | ND | | 1 | UG/L | 1 | 11/3/2015 14:46 |
| O-XYLENE | ND | | 1 | UG/L | 1 | 11/3/2015 14:46 |
| TOTAL XYLENES | ND | | 1 | UG/L | 1 | 11/3/2015 14:46 |
| Surr: 4-BROMOFLUOROBENZENE | 106 | | 85-115 | %REC | 1 | 11/3/2015 14:46 |
| Surr: DIBROMOFLUOROMETHANE | 101 | | 84-118 | %REC | 1 | 11/3/2015 14:46 |
| Surr: TOLUENE-D8 | 102 | | 85-115 | %REC | 1 | 11/3/2015 14:46 |
| GASOLINE RANGE ORGANICS | ND | | 100 | UG/L | 1 | 11/3/2015 14:46 |
| Ion Chromatography | | | | | | |
| EPA300.0 Prep Date: 10/29/2015 PrepBy: JFN | | | | | | |
| BROMIDE | 0.1 | J | 0.2 | MG/L | 1 | 10/29/2015 13:33 |
| CHLORIDE | 29 | | 2 | MG/L | 10 | 10/29/2015 14:18 |
| FLUORIDE | 1.5 | | 0.1 | MG/L | 1 | 10/29/2015 13:33 |
| NITRATE/NITRITE AS N | 0.23 | | 0.1 | MG/L | 1 | 10/29/2015 13:33 |
| NITRATE AS N | 0.23 | | 0.2 | MG/L | 1 | 10/29/2015 13:33 |
| NITRITE AS N | ND | | 0.1 | MG/L | 1 | 10/29/2015 13:33 |
| SULFATE | 220 | | 10 | MG/L | 10 | 10/29/2015 14:18 |
| Dissolved Metals by 200.8 | | | | | | |
| EPA200.8 Prep Date: 11/5/2015 PrepBy: CDR | | | | | | |
| BARIUM | 0.028 | | 0.001 | MG/L | 10 | 11/9/2015 14:50 |
| BORON | 0.21 | | 0.05 | MG/L | 10 | 11/9/2015 14:50 |
| CALCIUM | 110 | | 1 | MG/L | 10 | 11/9/2015 14:50 |
| IRON | ND | | 0.1 | MG/L | 10 | 11/9/2015 14:50 |
| MAGNESIUM | 44 | | 0.1 | MG/L | 10 | 11/9/2015 14:50 |
| MANGANESE | 0.091 | | 0.002 | MG/L | 10 | 11/9/2015 14:50 |
| POTASSIUM | 5.2 | | 1 | MG/L | 10 | 11/9/2015 14:50 |
| SELENIUM | 0.0051 | | 0.001 | MG/L | 10 | 11/9/2015 14:50 |
| SODIUM | 93 | | 1 | MG/L | 10 | 11/9/2015 14:50 |

Client: Western Water and Land, Inc.
Project: WPX GM 323-28 BWQ
Sample ID: GM 11-28-185334
Legal Location:
Collection Date: 10/28/2015 14:45

Date: 13-Nov-15
Work Order: 1510476
Lab ID: 1510476-1
Matrix: WATER
Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------------|--------|----------|--------------|----------|-----------------------|-----------------|
| STRONTIUM | 1.5 | | 0.001 | MG/L | 10 | 11/9/2015 14:50 |
| pH | | SM4500-H | | | Prep Date: 11/2/2015 | PrepBy: TLB |
| PH | 7.65 | | 0.1 | pH | 1 | 11/2/2015 |
| Specific Conductance in Water | | SM2510B | | | Prep Date: 11/2/2015 | PrepBy: TLB |
| SPECIFIC CONDUCTIVITY | 1245 | | 1 | umhos/cm | 1 | 11/2/2015 |
| Total Dissolved Solids | | SM2540C | | | Prep Date: 11/2/2015 | PrepBy: TLB |
| TOTAL DISSOLVED SOLIDS | 800 | | 20 | MG/L | 1 | 11/3/2015 |
| Total Phosphorus as P | | EPA365.2 | | | Prep Date: 11/12/2015 | PrepBy: TLB |
| TOTAL PHOSPHORUS | 0.025 | J | 0.05 | MG/L | 1 | 11/12/2015 |

Client: Western Water and Land, Inc.
Project: WPX GM 323-28 BWQ
Sample ID: GM 11-28-185334
Legal Location:
Collection Date: 10/28/2015 14:45

Date: 13-Nov-15
Work Order: 1510476
Lab ID: 1510476-1
Matrix: WATER
Percent Moisture:

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------|--------|------|--------------|-------|-----------------|---------------|
|----------|--------|------|--------------|-------|-----------------|---------------|

Explanation of Qualifiers

Radiochemistry:

- U or ND - Result is less than the sample specific MDC.
- Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
- Y2 - Chemical Yield outside default limits.
- W - DER is greater than Warning Limit of 1.42
- * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
- # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
- G - Sample density differs by more than 15% of LCS density.
- D - DER is greater than Control Limit
- M - Requested MDC not met.
- LT - Result is less than requested MDC but greater than achieved MDC.
- M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
- L - LCS Recovery below lower control limit.
- H - LCS Recovery above upper control limit.
- P - LCS, Matrix Spike Recovery within control limits.
- N - Matrix Spike Recovery outside control limits
- NC - Not Calculated for duplicate results less than 5 times MDC
- B - Analyte concentration greater than MDC.
- B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

- B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
- U or ND - Indicates that the compound was analyzed for but not detected.
- E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
- M - Duplicate injection precision was not met.
- N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
- Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
- * - Duplicate analysis (relative percent difference) not within control limits.
- S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

- U or ND - Indicates that the compound was analyzed for but not detected.
- B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E - Analyte concentration exceeds the upper level of the calibration range.
- J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A - A tentatively identified compound is a suspected aldol-condensation product.
- X - The analyte was diluted below an accurate quantitation level.
- * - The spike recovery is equal to or outside the control criteria used.
- + - The relative percent difference (RPD) equals or exceeds the control criteria.
- G - A pattern resembling gasoline was detected in this sample.
- D - A pattern resembling diesel was detected in this sample.
- M - A pattern resembling motor oil was detected in this sample.
- C - A pattern resembling crude oil was detected in this sample.
- 4 - A pattern resembling JP-4 was detected in this sample.
- 5 - A pattern resembling JP-5 was detected in this sample.
- H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

ALS Environmental -- FC

Date: 11/13/2015 12:4

Client: Western Water and Land, Inc.

QC BATCH REPORT

Work Order: 1510476

Project: WPX GM 323-28 BWQ

Batch ID: **HC151030-9-2**

Instrument ID: **MEE-1**

Method: **RSK175**

LCS Sample ID: **HC151030-9** Units: **UG/L** Analysis Date: **10/30/2015 15:30**

Client ID: Run ID: **HC151030-9A** Prep Date: **10/30/2015** DF: **1**

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|---------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| METHANE | 146 | 1 | 142 | | 103 | 80-120 | | | | 25 | |
| ETHANE | 280 | 2 | 267 | | 105 | 80-120 | | | | 25 | |
| PROPANE | 408 | 1 | 391 | | 104 | 80-120 | | | | 25 | |

LCSD Sample ID: **HC151030-9** Units: **UG/L** Analysis Date: **10/30/2015 16:23**

Client ID: Run ID: **HC151030-9A** Prep Date: **10/30/2015** DF: **1**

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|---------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| METHANE | 147 | 1 | 142 | | 103 | 80-120 | | 146 | 0 | 25 | |
| ETHANE | 281 | 2 | 267 | | 105 | 80-120 | | 280 | 0 | 25 | |
| PROPANE | 403 | 1 | 391 | | 103 | 80-120 | | 408 | 1 | 25 | |

MB Sample ID: **HC151030-9** Units: **UG/L** Analysis Date: **10/30/2015 15:33**

Client ID: Run ID: **HC151030-9A** Prep Date: **10/30/2015** DF: **1**

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|---------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| METHANE | ND | 1 | | | | | | | | | |
| ETHANE | ND | 2 | | | | | | | | | |
| PROPANE | ND | 1 | | | | | | | | | |

The following samples were analyzed in this batch:

1510476-1

Client: Western Water and Land, Inc.
 Work Order: 1510476
 Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: **HC151102-100-1** Instrument ID: **FUELS-1** Method: **SW8015M**

| LCS | | Sample ID: HC151102-100 | | | Units: MG/L | | Analysis Date: 11/2/2015 18:48 | | | | |
|-----------------------|--------|--------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: HC151102-7A | | | Prep Date: 11/2/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range Organics | 15.5 | 0.581 | 16.1 | | 96 | 36-150 | | | | 20 | |
| Surr: O-TERPHENYL | 0.741 | | 0.806 | | 92 | 63-126 | | | | | |

| MB | | Sample ID: HC151102-100 | | | Units: MG/L | | Analysis Date: 11/2/2015 14:10 | | | | |
|-----------------------|--------|--------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: HC151102-7A | | | Prep Date: 11/2/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range Organics | ND | 0.57 | | | | | | | | | |
| Surr: O-TERPHENYL | 0.694 | | 0.792 | | 88 | 63-126 | | | | | |

The following samples were analyzed in this batch:

1510476-1

Client: Western Water and Land, Inc.
 Work Order: 1510476
 Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: **IP151105-3-1** Instrument ID: **ICPMS2** Method: **EPA200.8**

| LCS | | Sample ID: FP151105-3 | | | Units: MG/L | | Analysis Date: 11/9/2015 14:47 | | | | |
|------------|--------|------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: IM151109-11A2 | | | Prep Date: 11/5/2015 | | DF: 10 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BARIUM | 0.0975 | 0.001 | 0.1 | | 97 | 85-115 | | | | 20 | |
| BORON | 0.936 | 0.05 | 1 | | 94 | 85-115 | | | | 20 | |
| CALCIUM | 8.82 | 1 | 10 | | 88 | 85-115 | | | | 20 | |
| IRON | 4.75 | 0.1 | 5 | | 95 | 85-115 | | | | 20 | |
| MAGNESIUM | 9.49 | 0.1 | 10 | | 95 | 85-115 | | | | 20 | |
| MANGANESE | 0.0956 | 0.002 | 0.1 | | 96 | 85-115 | | | | 20 | |
| POTASSIUM | 4.33 | 1 | 5 | | 87 | 85-115 | | | | 20 | |
| SELENIUM | 0.102 | 0.001 | 0.1 | | 102 | 85-115 | | | | 20 | |
| SODIUM | 9.35 | 1 | 10 | | 93 | 85-115 | | | | 20 | |
| STRONTIUM | 0.0892 | 0.001 | 0.1 | | 89 | 85-115 | | | | 20 | |

| MB | | Sample ID: FP151105-3 | | | Units: MG/L | | Analysis Date: 11/9/2015 14:40 | | | | |
|------------|--------|------------------------------|---------|---------------|-----------------------------|---------------|---------------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: IM151109-11A2 | | | Prep Date: 11/5/2015 | | DF: 10 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BARIUM | ND | 0.001 | | | | | | | | | |
| BORON | 0.031 | 0.05 | | | | | | | | | J |
| CALCIUM | ND | 1 | | | | | | | | | |
| IRON | 0.025 | 0.1 | | | | | | | | | J |
| MAGNESIUM | ND | 0.1 | | | | | | | | | |
| MANGANESE | ND | 0.002 | | | | | | | | | |
| POTASSIUM | ND | 1 | | | | | | | | | |
| SELENIUM | ND | 0.001 | | | | | | | | | |
| SODIUM | ND | 1 | | | | | | | | | |
| STRONTIUM | ND | 0.001 | | | | | | | | | |

The following samples were analyzed in this batch:

1510476-1

Client: Western Water and Land, Inc.
 Work Order: 1510476
 Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: VL151103-3-1 Instrument ID: HPV1 Method: SW8260_25

| LCS | | Sample ID: VL151103-3 | | | Units: %REC | | | Analysis Date: 11/3/2015 11:30 | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|----------------|--------------------------------|-----|-----------|------|
| Client ID: | | Run ID: VL151103-3A | | | Prep Date: 11/3/2015 | | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 25.1 | | 25 | | 100 | 85-115 | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 25.6 | | 25 | | 103 | 84-118 | | | | | |
| Surr: TOLUENE-D8 | 25.6 | | 25 | | 102 | 85-115 | | | | | |
| BENZENE | 10.2 | 1 | 10 | | 102 | 83-117 | | | | 20 | |
| TOLUENE | 10.3 | 1 | 10 | | 103 | 82-113 | | | | 20 | |
| ETHYLBENZENE | 10 | 1 | 10 | | 100 | 81-113 | | | | 20 | |
| M+P-XYLENE | 20.2 | 1 | 20 | | 101 | 82-115 | | | | 20 | |
| O-XYLENE | 10.1 | 1 | 10 | | 101 | 81-115 | | | | 20 | |

| LCSD | | Sample ID: VL151103-3 | | | Units: %REC | | | Analysis Date: 11/3/2015 11:52 | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|----------------|--------------------------------|-----|-----------|------|
| Client ID: | | Run ID: VL151103-3A | | | Prep Date: 11/3/2015 | | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 25.7 | | 25 | | 103 | 85-115 | | | 2 | | |
| Surr: DIBROMOFLUOROMETHANE | 25.5 | | 25 | | 102 | 84-118 | | | 0 | | |
| Surr: TOLUENE-D8 | 25.4 | | 25 | | 102 | 85-115 | | | 1 | | |
| BENZENE | 10.1 | 1 | 10 | | 101 | 83-117 | | 10.2 | 2 | 20 | |
| TOLUENE | 9.95 | 1 | 10 | | 99 | 82-113 | | 10.3 | 3 | 20 | |
| ETHYLBENZENE | 9.88 | 1 | 10 | | 99 | 81-113 | | 10 | 2 | 20 | |
| M+P-XYLENE | 19.7 | 1 | 20 | | 99 | 82-115 | | 20.2 | 2 | 20 | |
| O-XYLENE | 9.92 | 1 | 10 | | 99 | 81-115 | | 10.1 | 2 | 20 | |

| MB | | Sample ID: VL151103-3 | | | Units: %REC | | | Analysis Date: 11/3/2015 14:24 | | | |
|----------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|----------------|--------------------------------|-----|-----------|------|
| Client ID: | | Run ID: VL151103-3A | | | Prep Date: 11/3/2015 | | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Surr: 4-BROMOFLUOROBENZENE | 27.1 | | 25 | | 108 | 85-115 | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 25.4 | | 25 | | 102 | 84-118 | | | | | |
| Surr: TOLUENE-D8 | 25.5 | | 25 | | 102 | 85-115 | | | | | |
| BENZENE | ND | 1 | | | | | | | | | |
| TOLUENE | ND | 1 | | | | | | | | | |
| ETHYLBENZENE | ND | 1 | | | | | | | | | |
| M+P-XYLENE | ND | 1 | | | | | | | | | |
| O-XYLENE | ND | 1 | | | | | | | | | |
| TOTAL XYLENES | ND | 1 | | | | | | | | | |

Client: Western Water and Land, Inc.
 Work Order: 1510476
 Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: VL151103-3-2 Instrument ID: HPV1 Method: SW8260_25

| LCS | | Sample ID: VL151103-6 | | | Units: UG/L | | Analysis Date: 11/3/2015 12:59 | | | | |
|-------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL151103-3A | | | Prep Date: 11/3/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 984 | 100 | 1000 | | 98 | 80-120 | | | | 20 | |

| LCSD | | Sample ID: VL151103-6 | | | Units: UG/L | | Analysis Date: 11/3/2015 13:20 | | | | |
|-------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL151103-3A | | | Prep Date: 11/3/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 886 | 100 | 1000 | | 89 | 80-120 | | 984 | 10 | 20 | |

| MB | | Sample ID: VL151103-3 | | | Units: UG/L | | Analysis Date: 11/3/2015 14:24 | | | | |
|-------------------------|--------|-----------------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: VL151103-3A | | | Prep Date: 11/3/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | ND | 100 | | | | | | | | | |

The following samples were analyzed in this batch:

Client: Western Water and Land, Inc.
Work Order: 1510476
Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: **AK151030-1-2** Instrument ID: **GALLERY** Method: **SM2320B**

| LCS | | Sample ID: AK151030-1 | | | Units: MG/L | | Analysis Date: 10/30/2015 | | | | |
|---------------------------|--------|------------------------------|---------|---------------|------------------------------|---------------|----------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: AK151030-1A1 | | | Prep Date: 10/30/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL ALKALINITY AS CaCO3 | 96.9 | 5 | 100 | | 97 | 85-115 | | | | 15 | |

| MB | | Sample ID: AK151030-1 | | | Units: MG/L | | Analysis Date: 10/30/2015 | | | | |
|---------------------------|--------|------------------------------|---------|---------------|------------------------------|---------------|----------------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: AK151030-1A1 | | | Prep Date: 10/30/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BICARBONATE AS CaCO3 | ND | 5 | | | | | | | | | |
| CARBONATE AS CaCO3 | ND | 5 | | | | | | | | | |
| TOTAL ALKALINITY AS CaCO3 | ND | 5 | | | | | | | | | |

The following samples were analyzed in this batch:

| |
|-----------|
| 1510476-1 |
|-----------|

Client: Western Water and Land, Inc.
 Work Order: 1510476
 Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: IC151029-1-1 Instrument ID: IC-2 Method: EPA300.0

| LCS | | Sample ID: IC151029-1 | | | Units: MG/L | | | Analysis Date: 10/29/2015 12:32 | | | | |
|--------------|--------|-----------------------|---------|---------------|-----------------------|---------------|----------------|---------------------------------|-----|-----------|------|--|
| Client ID: | | Run ID: IC151029-1A4 | | | Prep Date: 10/29/2015 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual | |
| BROMIDE | 5.23 | 0.2 | 5 | | 105 | 90-110 | | | | 15 | | |
| CHLORIDE | 5.12 | 0.2 | 5 | | 102 | 90-110 | | | | 15 | | |
| FLUORIDE | 2.05 | 0.1 | 2 | | 102 | 90-110 | | | | 15 | | |
| NITRATE AS N | 5.1 | 0.2 | 5 | | 102 | 90-110 | | | | 15 | | |
| NITRITE AS N | 1.99 | 0.1 | 2 | | 99 | 90-110 | | | | 15 | | |
| SULFATE | 20.3 | 1 | 20 | | 102 | 90-110 | | | | 15 | | |

| MB | | Sample ID: IC151029-1 | | | Units: MG/L | | | Analysis Date: 10/29/2015 12:17 | | | | |
|--------------|--------|-----------------------|---------|---------------|-----------------------|---------------|----------------|---------------------------------|-----|-----------|------|--|
| Client ID: | | Run ID: IC151029-1A4 | | | Prep Date: 10/29/2015 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual | |
| BROMIDE | ND | 0.2 | | | | | | | | | | |
| CHLORIDE | ND | 0.2 | | | | | | | | | | |
| FLUORIDE | ND | 0.1 | | | | | | | | | | |
| NITRATE AS N | ND | 0.2 | | | | | | | | | | |
| NITRITE AS N | ND | 0.1 | | | | | | | | | | |
| SULFATE | ND | 1 | | | | | | | | | | |

| MS | | Sample ID: 1510476-1 | | | Units: MG/L | | | Analysis Date: 10/29/2015 13:48 | | | | |
|----------------------------|--------|----------------------|---------|---------------|-----------------------|---------------|----------------|---------------------------------|-----|-----------|------|--|
| Client ID: GM 11-28-185334 | | Run ID: IC151029-1A4 | | | Prep Date: 10/29/2015 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual | |
| BROMIDE | 5.37 | 0.2 | 5 | 0.1 | 105 | 85-115 | | | | 15 | | |
| FLUORIDE | 3.63 | 0.1 | 2 | 1.5 | 104 | 85-115 | | | | 15 | | |
| NITRATE AS N | 5.28 | 0.2 | 5 | 0.23 | 101 | 85-115 | | | | 15 | | |
| NITRITE AS N | 1.85 | 0.1 | 2 | 0.1 | 92 | 85-115 | | | | 15 | | |

| MSD | | Sample ID: 1510476-1 | | | Units: MG/L | | | Analysis Date: 10/29/2015 14:03 | | | | |
|----------------------------|--------|----------------------|---------|---------------|-----------------------|---------------|----------------|---------------------------------|-----|-----------|------|--|
| Client ID: GM 11-28-185334 | | Run ID: IC151029-1A4 | | | Prep Date: 10/29/2015 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual | |
| BROMIDE | 5.5 | 0.2 | 5 | 0.1 | 108 | 85-115 | | 5.37 | 2 | 15 | | |
| FLUORIDE | 3.68 | 0.1 | 2 | 1.5 | 107 | 85-115 | | 3.63 | 2 | 15 | | |
| NITRATE AS N | 5.4 | 0.2 | 5 | 0.23 | 103 | 85-115 | | 5.28 | 2 | 15 | | |
| NITRITE AS N | 1.87 | 0.1 | 2 | 0.1 | 94 | 85-115 | | 1.85 | 1 | 15 | | |

The following samples were analyzed in this batch:

1510476-1

Client: Western Water and Land, Inc.
 Work Order: 1510476
 Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: PH151102-1-2 Instrument ID: pH-1 Method: SM4500-H

| CCV | | Sample ID: CCV1 | | | Units: pH | | Analysis Date: 11/2/2015 | | | | |
|------------|--------|----------------------|---------|---------------|----------------------|---------------|--------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: PH151102-1A1 | | | Prep Date: 11/2/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| PH | 7.04 | 0.1 | 7 | | | 6.9-7.1 | | | | | |

| DUP | | Sample ID: 1510476-1 | | | Units: pH | | Analysis Date: 11/2/2015 | | | | |
|----------------------------|--------|----------------------|---------|---------------|----------------------|---------------|--------------------------|---------|-----|-----------|------|
| Client ID: GM 11-28-185334 | | Run ID: PH151102-1A1 | | | Prep Date: 11/2/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| PH | 7.68 | 0.1 | | | | | | 7.65 | | 0.2 | |

| ICV | | Sample ID: ICV | | | Units: pH | | Analysis Date: 11/2/2015 | | | | |
|------------|--------|----------------------|---------|---------------|----------------------|---------------|--------------------------|---------|-----|-----------|------|
| Client ID: | | Run ID: PH151102-1A1 | | | Prep Date: 11/2/2015 | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| PH | 7.04 | 0.1 | 7 | | | 6.95-7.05 | | | | | |

The following samples were analyzed in this batch:

1510476-1

Client: Western Water and Land, Inc.
Work Order: 1510476
Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: **SC151102-1-2** Instrument ID: **pH-2** Method: **SM2510B**

| CCV | Sample ID: CCV1 | | | | | Units: umhos/cm | Analysis Date: 11/2/2015 | | | | |
|-----------------------|------------------------|-----------------------------|---------|---------------|------|-----------------------------|---------------------------------|--------------|-----|-----------|------|
| Client ID: | | Run ID: SC151102-1A1 | | | | Prep Date: 11/2/2015 | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| SPECIFIC CONDUCTIVITY | 1390 | 1 | 1410 | | 98 | | | | | | |

| ICV | Sample ID: ICV | | | | | Units: umhos/cm | Analysis Date: 11/2/2015 | | | | |
|-----------------------|-----------------------|-----------------------------|---------|---------------|------|-----------------------------|---------------------------------|--------------|-----|-----------|------|
| Client ID: | | Run ID: SC151102-1A1 | | | | Prep Date: 11/2/2015 | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| SPECIFIC CONDUCTIVITY | 680 | 1 | 718 | | 95 | | | | | | |

The following samples were analyzed in this batch:

1510476-1

Client: Western Water and Land, Inc.
Work Order: 1510476
Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: **TD151102-1-1** Instrument ID: **Balance** Method: **SM2540C**

| LCS | Sample ID: TD151102-1 | | | Units: MG/L | | Analysis Date: 11/3/2015 | | | | | |
|------------------------|------------------------------|-------------|---------|-----------------------------|------|---------------------------------|----------------|---------|-----|-----------|------|
| Client ID: | Run ID: TD151103-1A1 | | | Prep Date: 11/2/2015 | | DF: 1 | | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL DISSOLVED SOLIDS | 406 | 20 | 400 | | 102 | 85-115 | | | | 5 | |

| MB | Sample ID: TD151102-1 | | | Units: MG/L | | Analysis Date: 11/3/2015 | | | | | |
|------------------------|------------------------------|-------------|---------|-----------------------------|------|---------------------------------|----------------|---------|-----|-----------|------|
| Client ID: | Run ID: TD151103-1A1 | | | Prep Date: 11/2/2015 | | DF: 1 | | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL DISSOLVED SOLIDS | ND | 20 | | | | | | | | | |

The following samples were analyzed in this batch:

Client: Western Water and Land, Inc.
Work Order: 1510476
Project: WPX GM 323-28 BWQ

QC BATCH REPORT

Batch ID: **TP151112-1-1** Instrument ID: **Spec** Method: **EPA365.2**

| LCS | Sample ID: TP151112-1 | | | | | Units: MG/L | Analysis Date: 11/12/2015 | | | | |
|------------------|------------------------------|-----------------------------|---------|---------------|------|------------------------------|----------------------------------|--------------|-----|-----------|------|
| Client ID: | | Run ID: TP151112-1A2 | | | | Prep Date: 11/12/2015 | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL PHOSPHORUS | 0.521 | 0.05 | 0.5 | | 104 | 80-120 | | | | 20 | |

| MB | Sample ID: TP151112-1 | | | | | Units: MG/L | Analysis Date: 11/12/2015 | | | | |
|------------------|------------------------------|-----------------------------|---------|---------------|------|------------------------------|----------------------------------|--------------|-----|-----------|------|
| Client ID: | | Run ID: TP151112-1A2 | | | | Prep Date: 11/12/2015 | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| TOTAL PHOSPHORUS | ND | 0.05 | | | | | | | | | |

The following samples were analyzed in this batch: