

Technical Report for**CPX Piceance Basin LLC****TEPEE****SGS Accutest Job Number: D95794****Sampling Date: 07/11/17****Report to:****CPX Piceance Basin LLC
1036 Country Club Road
Castle Rock, CO 80108
griggs.mary@comcast.net****ATTN: Mary Grigs****Total number of pages in report: 93**

Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director**Client Service contact: Jen Jorschumb 303-425-6021**

Certifications: CO (CO00049), ID (CO00049), NE (NE-OS-06-04), ND (R-027), NJ (CO007), OK (D9942)
UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L)

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Test results relate only to samples analyzed.

Table of Contents

-1-

| | |
|--|-----------|
| Section 1: Sample Summary | 3 |
| Section 2: Summary of Hits | 4 |
| Section 3: Sample Results | 6 |
| 3.1: D95794-1: PAD 25A WEST | 7 |
| 3.2: D95794-1A: PAD 25A WEST | 13 |
| 3.3: D95794-2: PAD 25A EAST | 15 |
| 3.4: D95794-2A: PAD 25A EAST | 21 |
| Section 4: Misc. Forms | 23 |
| 4.1: Chain of Custody | 24 |
| Section 5: MS Volatiles - QC Data Summaries | 26 |
| 5.1: Method Blank Summary | 27 |
| 5.2: Blank Spike Summary | 29 |
| 5.3: Matrix Spike/Matrix Spike Duplicate Summary | 30 |
| Section 6: MS Semi-volatiles - QC Data Summaries | 31 |
| 6.1: Method Blank Summary | 32 |
| 6.2: Blank Spike Summary | 33 |
| 6.3: Matrix Spike/Matrix Spike Duplicate Summary | 34 |
| Section 7: GC Volatiles - QC Data Summaries | 35 |
| 7.1: Method Blank Summary | 36 |
| 7.2: Blank Spike Summary | 37 |
| 7.3: Matrix Spike/Matrix Spike Duplicate Summary | 38 |
| Section 8: GC/LC Semi-volatiles - QC Data Summaries | 39 |
| 8.1: Method Blank Summary | 40 |
| 8.2: Blank Spike Summary | 42 |
| 8.3: Matrix Spike/Matrix Spike Duplicate Summary | 43 |
| Section 9: Metals Analysis - QC Data Summaries | 44 |
| 9.1: Prep QC MP22352: Hg | 45 |
| 9.2: Prep QC MP22399: As | 49 |
| 9.3: Prep QC MP22400: Ba,Cd,Cr,Cu,Ni,Se,Ag,Zn | 54 |
| 9.4: Prep QC MP22423: Ca,Mg,Na,Sodium Adsorption Ratio | 64 |
| 9.5: Prep QC MP22435: B,Pb | 74 |
| Section 10: General Chemistry - QC Data Summaries | 84 |
| 10.1: Method Blank and Spike Results Summary | 85 |
| 10.2: Duplicate Results Summary | 86 |
| Section 11: Misc. Forms (SGS Accutest New Jersey) | 87 |
| 11.1: Chain of Custody | 88 |
| Section 12: General Chemistry - QC Data (SGS Accutest New Jersey) | 90 |
| 12.1: Method Blank and Spike Results Summary | 91 |
| 12.2: Duplicate Results Summary | 92 |
| 12.3: Matrix Spike Results Summary | 93 |



Sample Summary

CPX Piceance Basin LLC

Job No: D95794

TEPEE

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|------------------|-----------|----------|----------|--------|------|---------------------|
| | Date | Time By | | Code | Type | |
| D95794-1 | 07/11/17 | 14:35 BC | 07/13/17 | SO | Soil | PAD 25A WEST |
| D95794-1A | 07/11/17 | 14:35 BC | 07/13/17 | SO | Soil | PAD 25A WEST |
| D95794-2 | 07/11/17 | 14:30 BC | 07/13/17 | SO | Soil | PAD 25A EAST |
| D95794-2A | 07/11/17 | 14:30 BC | 07/13/17 | SO | Soil | PAD 25A EAST |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: D95794
Account: CPX Piceance Basin LLC
Project: TEPEE
Collected: 07/11/17

| Lab Sample ID | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

D95794-1 PAD 25A WEST

| | | | | | |
|-------------------------------------|------|------|-----|----------|---------------------|
| Benzo(a)anthracene ^a | 449 | 20 | 9.8 | ug/kg | SW846 8270C BY SIM |
| Benzo(b)fluoranthene ^a | 1360 | 20 | 9.8 | ug/kg | SW846 8270C BY SIM |
| Benzo(a)pyrene ^a | 326 | 20 | 9.8 | ug/kg | SW846 8270C BY SIM |
| Chrysene ^a | 821 | 20 | 9.8 | ug/kg | SW846 8270C BY SIM |
| Dibenzo(a,h)anthracene ^a | 173 | 20 | 9.8 | ug/kg | SW846 8270C BY SIM |
| Fluoranthene ^a | 674 | 20 | 12 | ug/kg | SW846 8270C BY SIM |
| Fluorene ^a | 65.9 | 20 | 11 | ug/kg | SW846 8270C BY SIM |
| Indeno(1,2,3-cd)pyrene ^a | 407 | 20 | 9.8 | ug/kg | SW846 8270C BY SIM |
| Naphthalene ^a | 251 | 20 | 9.8 | ug/kg | SW846 8270C BY SIM |
| Pyrene ^a | 350 | 20 | 13 | ug/kg | SW846 8270C BY SIM |
| TPH-DRO (C10-C28) | 624 | 12 | 11 | mg/kg | SW846-8015B |
| Arsenic | 6.5 | 0.11 | | mg/kg | SW846 6020A |
| Barium | 6640 | 22 | | mg/kg | SW846 6010C |
| Boron | 13.8 | 4.7 | | mg/kg | SW846 6010C |
| Chromium | 18.2 | 1.1 | | mg/kg | SW846 6010C |
| Copper | 24.4 | 1.1 | | mg/kg | SW846 6010C |
| Lead | 11.8 | 4.7 | | mg/kg | SW846 6010C |
| Nickel | 15.2 | 3.3 | | mg/kg | SW846 6010C |
| Zinc | 41.3 | 3.3 | | mg/kg | SW846 6010C |
| Specific Conductivity | 529 | 1.0 | | umhos/cm | SM 2510B-2011 MOD |
| Chromium, Trivalent ^b | 18.2 | 1.6 | | mg/kg | SW846 3060A/7196A M |
| Redox Potential Vs H2 ^c | 280 | | | mv | ASTM D1498-76M |
| pH ^c | 8.61 | | | su | SW846 9045D |

D95794-1A PAD 25A WEST

| | | | | | |
|--------------------------------------|------|-----|--|-------|------------------|
| Calcium | 23.0 | 2.0 | | mg/l | SW846 6010C |
| Magnesium | 2.63 | 1.0 | | mg/l | SW846 6010C |
| Sodium | 102 | 2.0 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio ^d | 5.37 | | | ratio | USDA HANDBOOK 60 |

D95794-2 PAD 25A EAST

| | | | | | |
|------------------------|------|-----|-----|-------|--------------------|
| Anthracene | 36.7 | 5.1 | 2.5 | ug/kg | SW846 8270C BY SIM |
| Benzo(a)anthracene | 354 | 5.1 | 2.5 | ug/kg | SW846 8270C BY SIM |
| Benzo(b)fluoranthene | 1200 | 25 | 12 | ug/kg | SW846 8270C BY SIM |
| Benzo(k)fluoranthene | 215 | 25 | 12 | ug/kg | SW846 8270C BY SIM |
| Benzo(a)pyrene | 271 | 5.1 | 2.5 | ug/kg | SW846 8270C BY SIM |
| Chrysene | 614 | 5.1 | 2.5 | ug/kg | SW846 8270C BY SIM |
| Dibenzo(a,h)anthracene | 16.0 | 5.1 | 2.5 | ug/kg | SW846 8270C BY SIM |
| Fluoranthene | 545 | 5.1 | 2.9 | ug/kg | SW846 8270C BY SIM |
| Indeno(1,2,3-cd)pyrene | 180 | 5.1 | 2.5 | ug/kg | SW846 8270C BY SIM |
| Naphthalene | 207 | 5.1 | 2.5 | ug/kg | SW846 8270C BY SIM |

Summary of Hits

Job Number: D95794
 Account: CPX Piceance Basin LLC
 Project: TEPEE
 Collected: 07/11/17

| Lab Sample ID Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|------------------------------------|------------------|-----------------|------|-----|----------|---------------------|
| Pyrene | | 290 | 5.1 | 3.3 | ug/kg | SW846 8270C BY SIM |
| TPH-DRO (C10-C28) | | 683 | 12 | 11 | mg/kg | SW846-8015B |
| Arsenic | | 7.3 | 0.10 | | mg/kg | SW846 6020A |
| Barium | | 10100 | 21 | | mg/kg | SW846 6010C |
| Boron | | 15.4 | 5.6 | | mg/kg | SW846 6010C |
| Chromium | | 21.2 | 1.0 | | mg/kg | SW846 6010C |
| Copper | | 23.8 | 1.0 | | mg/kg | SW846 6010C |
| Lead | | 13.2 | 5.6 | | mg/kg | SW846 6010C |
| Nickel | | 16.0 | 3.1 | | mg/kg | SW846 6010C |
| Zinc | | 68.1 | 3.1 | | mg/kg | SW846 6010C |
| Specific Conductivity | | 657 | 1.0 | | umhos/cm | SM 2510B-2011 MOD |
| Chromium, Trivalent ^b | | 21.2 | 1.5 | | mg/kg | SW846 3060A/7196A M |
| Redox Potential Vs H2 ^c | | 303 | | | mv | ASTM D1498-76M |
| pH ^c | | 8.63 | | | su | SW846 9045D |

D95794-2A PAD 25A EAST

| | | | | | |
|--------------------------------------|------|-----|--|-------|------------------|
| Calcium | 27.7 | 2.0 | | mg/l | SW846 6010C |
| Magnesium | 2.89 | 1.0 | | mg/l | SW846 6010C |
| Sodium | 123 | 2.0 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio ^d | 5.94 | | | ratio | USDA HANDBOOK 60 |

(a) Dilution required due to matrix interference. Internal standard failure without dilution.

(b) Calculated as: (Chromium) - (Chromium, Hexavalent)

(c) Analysis performed at SGS Accutest, Dayton, NJ.

(d) Calculated as: (Na meq/L) / sqrt [(Ca meq/L) + (Mg meq/L)/2]

Sample Results

Report of Analysis

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A WEST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-1 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.4 |
| Method: | SW846 8260B | | |
| Project: | TEPEE | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 5V42741.D | 1 | 07/17/17 15:44 | MB | n/a | n/a | V5V2380 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.08 g | 5.0 ml |
| Run #2 | | |

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.2 | 0.58 | ug/kg | |
| 108-88-3 | Toluene | ND | 2.3 | 1.2 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 2.3 | 0.58 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.5 | 1.2 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | | 65-142% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 107% | | 70-130% |

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|-------------------------------|-----------------|----------|
| Client Sample ID: | PAD 25A WEST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-1 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.4 |
| Method: | SW846 8270C BY SIM SW846 3546 | | |
| Project: | TEPEE | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------------------|------------|----|----------------|----|-----------|------------|------------------|
| Run #1 ^a | 1G134242.D | 4 | 07/18/17 16:12 | DC | 07/14/17 | OP15235 | E1G2065 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.1 g | 1.0 ml |
| Run #2 | | |

COGCC Table 910-1 PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|--------|----|-----|-------|---|
| 83-32-9 | Acenaphthene | ND | 20 | 10 | ug/kg | |
| 120-12-7 | Anthracene | ND | 20 | 9.8 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 449 | 20 | 9.8 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 1360 | 20 | 9.8 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 20 | 9.8 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 326 | 20 | 9.8 | ug/kg | |
| 218-01-9 | Chrysene | 821 | 20 | 9.8 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 173 | 20 | 9.8 | ug/kg | |
| 206-44-0 | Fluoranthene | 674 | 20 | 12 | ug/kg | |
| 86-73-7 | Fluorene | 65.9 | 20 | 11 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 407 | 20 | 9.8 | ug/kg | |
| 91-20-3 | Naphthalene | 251 | 20 | 9.8 | ug/kg | |
| 129-00-0 | Pyrene | 350 | 20 | 13 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 70% | | 10-162% |
| 321-60-8 | 2-Fluorobiphenyl | 72% | | 25-130% |
| 1718-51-0 | Terphenyl-d14 | 80% | | 51-131% |

(a) Dilution required due to matrix interference. Internal standard failure without dilution.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A WEST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-1 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.4 |
| Method: | SW846 8015B | | |
| Project: | TEPEE | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|----|-----------|------------|------------------|
| Run #1 | GB41045.D | 1 | 07/14/17 15:34 | MR | n/a | n/a | GGB2027 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.1 g | 5.0 ml | 100 ul |
| Run #2 | | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|--------|--------|---------|-------|---|
| | TPH-GRO (C6-C10) | ND | 13 | 6.7 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 107% | | 60-140% | | |

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|------------------------|-----------------|----------|
| Client Sample ID: | PAD 25A WEST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-1 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.4 |
| Method: | SW846-8015B SW846 3546 | | |
| Project: | TEPEE | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|----|-----------|------------|------------------|
| Run #1 | FI55985.D | 1 | 07/18/17 12:43 | GN | 07/14/17 | OP15236 | GFI2345 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 20.0 g | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|----------------------|--------|--------|---------|-------|---|
| | TPH-DRO (C10-C28) | 624 | 12 | 11 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 84-15-1 | o-Terphenyl | 67% | | 41-134% | | |

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PAD 25A WEST
 Lab Sample ID: D95794-1
 Matrix: SO - Soil
 Project: TEPEE

Date Sampled: 07/11/17
 Date Received: 07/13/17
 Percent Solids: 85.4

Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analized By | Method | Prep Method |
|----------|---------|-------|-------|----|----------|-------------|--------------------------|---------------------------|
| Arsenic | 6.5 | 0.11 | mg/kg | 5 | 07/18/17 | 07/25/17 MR | SW846 6020A ⁷ | SW846 3050B ¹⁰ |
| Barium | 6640 | 22 | mg/kg | 20 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |
| Boron | 13.8 | 4.7 | mg/kg | 1 | 07/24/17 | 07/27/17 SB | SW846 6010C ⁸ | SW846 3050B ¹² |
| Cadmium | < 1.1 | 1.1 | mg/kg | 1 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |
| Chromium | 18.2 | 1.1 | mg/kg | 1 | 07/18/17 | 07/18/17 SB | SW846 6010C ² | SW846 3050B ¹¹ |
| Copper | 24.4 | 1.1 | mg/kg | 1 | 07/18/17 | 07/20/17 SB | SW846 6010C ⁴ | SW846 3050B ¹¹ |
| Lead | 11.8 | 4.7 | mg/kg | 1 | 07/24/17 | 07/24/17 MR | SW846 6010C ⁶ | SW846 3050B ¹² |
| Mercury | < 0.090 | 0.090 | mg/kg | 1 | 07/17/17 | 07/17/17 SB | SW846 7471B ¹ | SW846 7471B ⁹ |
| Nickel | 15.2 | 3.3 | mg/kg | 1 | 07/18/17 | 07/21/17 SB | SW846 6010C ⁵ | SW846 3050B ¹¹ |
| Selenium | < 5.4 | 5.4 | mg/kg | 1 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |
| Silver | < 3.3 | 3.3 | mg/kg | 1 | 07/18/17 | 07/18/17 SB | SW846 6010C ² | SW846 3050B ¹¹ |
| Zinc | 41.3 | 3.3 | mg/kg | 1 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |

- (1) Instrument QC Batch: MA8769
- (2) Instrument QC Batch: MA8775
- (3) Instrument QC Batch: MA8778
- (4) Instrument QC Batch: MA8791
- (5) Instrument QC Batch: MA8797
- (6) Instrument QC Batch: MA8800
- (7) Instrument QC Batch: MA8807
- (8) Instrument QC Batch: MA8823
- (9) Prep QC Batch: MP22352
- (10) Prep QC Batch: MP22399
- (11) Prep QC Batch: MP22400
- (12) Prep QC Batch: MP22435

RL = Reporting Limit

Report of Analysis

Client Sample ID: PAD 25A WEST

Lab Sample ID: D95794-1

Matrix: SO - Soil

Project: TEPEE

Date Sampled: 07/11/17

Date Received: 07/13/17

Percent Solids: 85.4

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|------------------------------------|--------|------|----------|----|----------------|-----|---------------------|
| %solids | | | | | | | |
| Solids, Percent | 85.4 | | % | 1 | 07/17/17 | SWT | SM2540G-2011 M |
| prep: DEPT.OF AG, BOOK N9 | | | | | | | |
| Specific Conductivity | 529 | 1.0 | umhos/cm | 1 | 07/19/17 | JD | SM 2510B-2011 MOD |
| Chromium, Hexavalent ^a | < 0.47 | 0.47 | mg/kg | 1 | 07/24/17 16:23 | ANJ | SW846 3060A/7196A |
| Chromium, Trivalent ^b | 18.2 | 1.6 | mg/kg | 1 | 07/24/17 16:23 | ANJ | SW846 3060A/7196A M |
| Redox Potential Vs H2 ^a | 280 | | mv | 1 | 07/20/17 12:53 | ANJ | ASTM D1498-76M |
| pH ^a | 8.61 | | su | 1 | 07/20/17 11:25 | ANJ | SW846 9045D |

(a) Analysis performed at SGS Accutest, Dayton, NJ.

(b) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A WEST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-1A | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.4 |
| Project: | TEPEE | | |

SAR Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|-----------|--------|-----|-------|----|----------|-------------|--------------------------|----------------------------|
| Calcium | 23.0 | 2.0 | mg/l | 1 | 07/19/17 | 07/19/17 SB | SW846 6010C ¹ | SW846 3010A/M ² |
| Magnesium | 2.63 | 1.0 | mg/l | 1 | 07/19/17 | 07/19/17 SB | SW846 6010C ¹ | SW846 3010A/M ² |
| Sodium | 102 | 2.0 | mg/l | 1 | 07/19/17 | 07/19/17 SB | SW846 6010C ¹ | SW846 3010A/M ² |

- (1) Instrument QC Batch: MA8778
- (2) Prep QC Batch: MP22423

RL = Reporting Limit

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A WEST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-1A | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.4 |
| Project: | TEPEE | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|--------------------------------------|--------|----|-------|----|----------------|----|------------------|
| Sodium Adsorption Ratio ^a | 5.37 | | ratio | 1 | 07/19/17 10:49 | SB | USDA HANDBOOK 60 |

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A EAST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-2 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.2 |
| Method: | SW846 8260B | | |
| Project: | TEPEE | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 5V42742.D | 1 | 07/17/17 16:12 | MB | n/a | n/a | V5V2380 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 5.02 g | 5.0 ml |
| Run #2 | | |

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.2 | 0.58 | ug/kg | |
| 108-88-3 | Toluene | ND | 2.3 | 1.2 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 2.3 | 0.58 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.6 | 1.2 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 106% | | 70-130% |
| 2037-26-5 | Toluene-D8 | 99% | | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 65-142% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 102% | | 70-130% |

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|-------------------------------|-----------------|----------|
| Client Sample ID: | PAD 25A EAST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-2 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.2 |
| Method: | SW846 8270C BY SIM SW846 3546 | | |
| Project: | TEPEE | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------------|----|-----------|------------|------------------|
| Run #1 | 1G134205.D | 1 | 07/14/17 18:43 | DC | 07/14/17 | OP15235 | E1G2063 |
| Run #2 | 1G134298.D | 5 | 07/25/17 19:57 | DC | 07/14/17 | OP15235 | E1G2068 |

| | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 30.1 g | 1.0 ml |
| Run #2 | 30.1 g | 1.0 ml |

COGCC Table 910-1 PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|-------------------|-----|-----|-------|---|
| 83-32-9 | Acenaphthene | ND | 5.1 | 2.6 | ug/kg | |
| 120-12-7 | Anthracene | 36.7 | 5.1 | 2.5 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | 354 | 5.1 | 2.5 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | 1200 ^a | 25 | 12 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | 215 ^a | 25 | 12 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | 271 | 5.1 | 2.5 | ug/kg | |
| 218-01-9 | Chrysene | 614 | 5.1 | 2.5 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | 16.0 | 5.1 | 2.5 | ug/kg | |
| 206-44-0 | Fluoranthene | 545 | 5.1 | 2.9 | ug/kg | |
| 86-73-7 | Fluorene | ND | 5.1 | 2.7 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 180 | 5.1 | 2.5 | ug/kg | |
| 91-20-3 | Naphthalene | 207 | 5.1 | 2.5 | ug/kg | |
| 129-00-0 | Pyrene | 290 | 5.1 | 3.3 | ug/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 59% | 75% | 10-162% |
| 321-60-8 | 2-Fluorobiphenyl | 58% | 71% | 25-130% |
| 1718-51-0 | Terphenyl-d14 | 68% | 75% | 51-131% |

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A EAST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-2 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.2 |
| Method: | SW846 8015B | | |
| Project: | TEPEE | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|----|-----------|------------|------------------|
| Run #1 | GB41046.D | 1 | 07/14/17 16:13 | MR | n/a | n/a | GGB2027 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume | Methanol Aliquot |
|--------|----------------|--------------|------------------|
| Run #1 | 5.0 g | 5.0 ml | 100 ul |
| Run #2 | | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|--------|--------|---------|-------|---|
| | TPH-GRO (C6-C10) | ND | 14 | 6.8 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | 111% | | 60-140% | | |

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|------------------------|-----------------|----------|
| Client Sample ID: | PAD 25A EAST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-2 | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.2 |
| Method: | SW846-8015B SW846 3546 | | |
| Project: | TEPEE | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------------|----|-----------|------------|------------------|
| Run #1 | FI55987.D | 1 | 07/18/17 13:23 | GN | 07/14/17 | OP15236 | GFI2345 |
| Run #2 | | | | | | | |

| Run # | Initial Weight | Final Volume |
|--------|----------------|--------------|
| Run #1 | 20.0 g | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|----------------------|--------|--------|---------|-------|---|
| | TPH-DRO (C10-C28) | 683 | 12 | 11 | mg/kg | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 84-15-1 | o-Terphenyl | 75% | | 41-134% | | |

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PAD 25A EAST
 Lab Sample ID: D95794-2
 Matrix: SO - Soil
 Project: TEPEE

Date Sampled: 07/11/17
 Date Received: 07/13/17
 Percent Solids: 85.2

Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analized By | Method | Prep Method |
|----------|---------|-------|-------|----|----------|-------------|--------------------------|---------------------------|
| Arsenic | 7.3 | 0.10 | mg/kg | 5 | 07/18/17 | 07/25/17 MR | SW846 6020A ⁷ | SW846 3050B ¹⁰ |
| Barium | 10100 | 21 | mg/kg | 20 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |
| Boron | 15.4 | 5.6 | mg/kg | 1 | 07/24/17 | 07/27/17 SB | SW846 6010C ⁸ | SW846 3050B ¹² |
| Cadmium | < 1.0 | 1.0 | mg/kg | 1 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |
| Chromium | 21.2 | 1.0 | mg/kg | 1 | 07/18/17 | 07/18/17 SB | SW846 6010C ² | SW846 3050B ¹¹ |
| Copper | 23.8 | 1.0 | mg/kg | 1 | 07/18/17 | 07/20/17 SB | SW846 6010C ⁴ | SW846 3050B ¹¹ |
| Lead | 13.2 | 5.6 | mg/kg | 1 | 07/24/17 | 07/24/17 MR | SW846 6010C ⁶ | SW846 3050B ¹² |
| Mercury | < 0.090 | 0.090 | mg/kg | 1 | 07/17/17 | 07/17/17 SB | SW846 7471B ¹ | SW846 7471B ⁹ |
| Nickel | 16.0 | 3.1 | mg/kg | 1 | 07/18/17 | 07/21/17 SB | SW846 6010C ⁵ | SW846 3050B ¹¹ |
| Selenium | < 5.2 | 5.2 | mg/kg | 1 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |
| Silver | < 3.1 | 3.1 | mg/kg | 1 | 07/18/17 | 07/18/17 SB | SW846 6010C ² | SW846 3050B ¹¹ |
| Zinc | 68.1 | 3.1 | mg/kg | 1 | 07/18/17 | 07/19/17 SB | SW846 6010C ³ | SW846 3050B ¹¹ |

- (1) Instrument QC Batch: MA8769
- (2) Instrument QC Batch: MA8775
- (3) Instrument QC Batch: MA8778
- (4) Instrument QC Batch: MA8791
- (5) Instrument QC Batch: MA8797
- (6) Instrument QC Batch: MA8800
- (7) Instrument QC Batch: MA8807
- (8) Instrument QC Batch: MA8823
- (9) Prep QC Batch: MP22352
- (10) Prep QC Batch: MP22399
- (11) Prep QC Batch: MP22400
- (12) Prep QC Batch: MP22435

RL = Reporting Limit

Report of Analysis

Client Sample ID: PAD 25A EAST
 Lab Sample ID: D95794-2
 Matrix: SO - Soil
 Project: TEPEE

Date Sampled: 07/11/17
 Date Received: 07/13/17
 Percent Solids: 85.2

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|------------------------------------|--------|------|----------|----|----------------|-----|---------------------|
| %solids | | | | | | | |
| Solids, Percent | 85.2 | | % | 1 | 07/17/17 | SWT | SM2540G-2011 M |
| prep: DEPT.OF AG, BOOK N9 | | | | | | | |
| Specific Conductivity | 657 | 1.0 | umhos/cm | 1 | 07/19/17 | JD | SM 2510B-2011 MOD |
| Chromium, Hexavalent ^a | < 0.47 | 0.47 | mg/kg | 1 | 07/24/17 16:27 | ANJ | SW846 3060A/7196A |
| Chromium, Trivalent ^b | 21.2 | 1.5 | mg/kg | 1 | 07/24/17 16:27 | ANJ | SW846 3060A/7196A M |
| Redox Potential Vs H2 ^a | 303 | | mv | 1 | 07/20/17 12:53 | ANJ | ASTM D1498-76M |
| pH ^a | 8.63 | | su | 1 | 07/20/17 11:31 | ANJ | SW846 9045D |

(a) Analysis performed at SGS Accutest, Dayton, NJ.

(b) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A EAST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-2A | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.2 |
| Project: | TEPEE | | |

SAR Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|-----------|--------|-----|-------|----|----------|-------------|--------------------------|----------------------------|
| Calcium | 27.7 | 2.0 | mg/l | 1 | 07/19/17 | 07/19/17 SB | SW846 6010C ¹ | SW846 3010A/M ² |
| Magnesium | 2.89 | 1.0 | mg/l | 1 | 07/19/17 | 07/19/17 SB | SW846 6010C ¹ | SW846 3010A/M ² |
| Sodium | 123 | 2.0 | mg/l | 1 | 07/19/17 | 07/19/17 SB | SW846 6010C ¹ | SW846 3010A/M ² |

(1) Instrument QC Batch: MA8778
(2) Prep QC Batch: MP22423

RL = Reporting Limit

Report of Analysis

| | | | |
|-------------------|--------------|-----------------|----------|
| Client Sample ID: | PAD 25A EAST | Date Sampled: | 07/11/17 |
| Lab Sample ID: | D95794-2A | Date Received: | 07/13/17 |
| Matrix: | SO - Soil | Percent Solids: | 85.2 |
| Project: | TEPEE | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|--------------------------------------|--------|----|-------|----|----------------|----|------------------|
| Sodium Adsorption Ratio ^a | 5.94 | | ratio | 1 | 07/19/17 10:26 | SB | USDA HANDBOOK 60 |

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

PAGE 1 OF 1

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.accutest.com

| | | | |
|--|--|---------------------------------------|--|
| FED-EX Tracking # | | Bottle Order Control # | |
| SGS Accutest Quote # | | SGS Accutest Job # D95794 | |
| Client / Reporting Information | | Project Information | |
| Company Name CPX PICEANCE BASIN LLC | | Project Name TEPEE | |
| Street Address 1036 Country Club Road | | Street | |
| City CASTLEROCK, CO 80108 | | City | |
| Project Contact MARY GRIGGS griggs.mary@comcast.net | | Project # | |
| Phone # 303-912-8292 | | Client Purchase Order # | |
| Sampler(s) Name(s) BRYAN CLARK | | Project Manager MARY GRIGGS | |
| | | Attention: WARD GILTNER | |
| Field ID / Point of Collection | | Collection | |
| MEOH/DI Vial # | | Date | |
| | | Time | |
| | | Sampled by | |
| | | Matrix | |
| | | # of bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
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| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
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| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
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| | | NACH | |
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| | | DI Water | |
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| | | PCB | |
| | | NACH | |
| | | HNO3 | |
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| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
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| | | DI Water | |
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| | | Number of preserved bottles | |
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| | | Number of preserved bottles | |
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| | | DI Water | |
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| | | ENCORE | |
| | | Number of preserved bottles | |
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| | | ENCORE | |
| | | Number of preserved bottles | |
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| | | Number of preserved bottles | |
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| | | DI Water | |
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| | | Number of preserved bottles | |
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| | | DI Water | |
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| | | Number of preserved bottles | |
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| | | Number of preserved bottles | |
| | | PCB | |
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| | | Number of preserved bottles | |
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| | | Number of preserved bottles | |
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| | | DI Water | |
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| | | HNO3 | |
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| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |
| | | NACH | |
| | | HNO3 | |
| | | H2SO4 | |
| | | NONE | |
| | | DI Water | |
| | | MEOH | |
| | | ENCORE | |
| | | Number of preserved bottles | |
| | | PCB | |

SGS Accutest Sample Receipt Summary

Job Number: D95794

Client: CPX

Project: TEPEE

Date / Time Received: 7/13/2017 3:45:00 PM

Delivery Method:

Airbill #'s: co

Cooler Temps (Initial/Adjusted): #1: (3.2/3.2):

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Bar Therm; | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

D95794: Chain of Custody

Page 2 of 2

MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**

Method Blank Summary

Page 1 of 1

Job Number: D95794

Account: CPXPCOC CPX Piceance Basin LLC

Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| V5V2380-MB | 5V42735.D | 1 | 07/17/17 | MB | n/a | n/a | V5V2380 |

The QC reported here applies to the following samples:

Method: SW846 8260B

D95794-1, D95794-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|-----|-------|---|
| 71-43-2 | Benzene | ND | 50 | 25 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 100 | 25 | ug/kg | |
| 108-88-3 | Toluene | ND | 100 | 50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 110 | 50 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|------------|-----------------------|-------------|
| 1868-53-7 | Dibromofluoromethane | 97% 70-130% |
| 2037-26-5 | Toluene-D8 | 96% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 99% 65-142% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 97% 70-130% |

Method Blank Summary

Page 1 of 1

Job Number: D95794

Account: CPXPCOC CPX Piceance Basin LLC

Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| V5V2380-MB | 5V42737.D | 1 | 07/17/17 | MB | n/a | n/a | V5V2380 |

The QC reported here applies to the following samples:

Method: SW846 8260B

D95794-1, D95794-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | ND | 1.0 | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 2.0 | 0.50 | ug/kg | |
| 108-88-3 | Toluene | ND | 2.0 | 1.0 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.2 | 1.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|------------|-----------------------|--------------|
| 1868-53-7 | Dibromofluoromethane | 103% 70-130% |
| 2037-26-5 | Toluene-D8 | 96% 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 100% 65-142% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 98% 70-130% |

Blank Spike Summary

Page 1 of 1

Job Number: D95794

Account: CPXPCOC CPX Piceance Basin LLC

Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| V5V2380-BS | 5V42733.D | 1 | 07/17/17 | MB | n/a | n/a | V5V2380 |

The QC reported here applies to the following samples:

Method: SW846 8260B

D95794-1, D95794-2

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|-----------|----------------|----------------|--------------|----------|--------|
| 71-43-2 | Benzene | 50 | 45.2 | 90 | 70-130 |
| 100-41-4 | Ethylbenzene | 50 | 44.7 | 89 | 70-130 |
| 108-88-3 | Toluene | 50 | 43.3 | 87 | 70-130 |
| 1330-20-7 | Xylene (total) | 150 | 135 | 90 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|------------|-----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | 70-130% |
| 2037-26-5 | Toluene-D8 | 96% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 65-142% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 102% | 70-130% |

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| D95724-1MS | 5V42745.D | 1 | 07/17/17 | MB | n/a | n/a | V5V2380 |
| D95724-1MSD | 5V42746.D | 1 | 07/17/17 | MB | n/a | n/a | V5V2380 |
| D95724-1 | 5V42744.D | 1 | 07/17/17 | MB | n/a | n/a | V5V2380 |
| D95724-1 | 5V42747.D | 1 | 07/17/17 | MB | n/a | n/a | V5V2380 |

The QC reported here applies to the following samples:

Method: SW846 8260B

D95794-1, D95794-2

| CAS No. | Compound | D95724-1 ug/kg | Q | Spike ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|----------------|-------------------|---|----------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND ^a | | 2670 | 2500 | 94 | 2670 | 2570 | 96 | 3 | 43-135/30 |
| 100-41-4 | Ethylbenzene | 56.8 ^a | | 2670 | 2680 | 98 | 2670 | 2700 | 99 | 1 | 30-144/30 |
| 108-88-3 | Toluene | 10.4 ^a | | 2670 | 2430 | 91 | 2670 | 2470 | 92 | 2 | 27-144/30 |
| 1330-20-7 | Xylene (total) | 363 ^a | | 8020 | 8800 | 105 | 8020 | 8850 | 106 | 1 | 13-154/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | D95724-1 | D95724-1 | Limits |
|------------|-----------------------|------|------|----------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | 103% | 97% | 103% | 70-130% |
| 2037-26-5 | Toluene-D8 | 98% | 97% | 98% | 98% | 70-130% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 101% | 100% | 103% | 65-142% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 99% | 101% | 98% | 101% | 70-130% |

(a) Result is from Run #2.

* = Outside of Control Limits.

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**



Method Blank Summary

Page 1 of 1

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|------------|----|----------|----|-----------|------------|------------------|
| OP15235-MB | 1G134190.D | 1 | 07/14/17 | DC | 07/14/17 | OP15235 | E1G2063 |

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

D95794-1, D95794-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|--------|-----|-----|-------|---|
| 83-32-9 | Acenaphthene | ND | 4.3 | 2.2 | ug/kg | |
| 120-12-7 | Anthracene | ND | 4.3 | 2.1 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 4.3 | 2.1 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 4.3 | 2.1 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 4.3 | 2.1 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 4.3 | 2.1 | ug/kg | |
| 218-01-9 | Chrysene | ND | 4.3 | 2.1 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 4.3 | 2.1 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 4.3 | 2.5 | ug/kg | |
| 86-73-7 | Fluorene | ND | 4.3 | 2.3 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 4.3 | 2.1 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 4.3 | 2.1 | ug/kg | |
| 129-00-0 | Pyrene | ND | 4.3 | 2.8 | ug/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|-----------|----------------------|--------------|
| 4165-60-0 | Nitrobenzene-d5 | 102% 10-162% |
| 321-60-8 | 2-Fluorobiphenyl | 105% 25-130% |
| 1718-51-0 | Terphenyl-d14 | 102% 51-131% |

Blank Spike Summary

Page 1 of 1

Job Number: D95794

Account: CPXPCOC CPX Piceance Basin LLC

Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|------------|----|----------|----|-----------|------------|------------------|
| OP15235-BS | 1G134191.D | 1 | 07/14/17 | DC | 07/14/17 | OP15235 | E1G2063 |

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

D95794-1, D95794-2

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|----------|------------------------|----------------|--------------|----------|--------|
| 83-32-9 | Acenaphthene | 83.3 | 81.7 | 98 | 64-130 |
| 120-12-7 | Anthracene | 83.3 | 93.7 | 112 | 70-132 |
| 56-55-3 | Benzo(a)anthracene | 83.3 | 91.3 | 110 | 70-130 |
| 205-99-2 | Benzo(b)fluoranthene | 83.3 | 92.8 | 111 | 70-131 |
| 207-08-9 | Benzo(k)fluoranthene | 83.3 | 95.4 | 114 | 70-131 |
| 50-32-8 | Benzo(a)pyrene | 83.3 | 99.4 | 119 | 70-135 |
| 218-01-9 | Chrysene | 83.3 | 88.8 | 107 | 70-130 |
| 53-70-3 | Dibenzo(a,h)anthracene | 83.3 | 91.8 | 110 | 65-134 |
| 206-44-0 | Fluoranthene | 83.3 | 88.3 | 106 | 70-132 |
| 86-73-7 | Fluorene | 83.3 | 83.2 | 100 | 63-130 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 83.3 | 96.1 | 115 | 68-133 |
| 91-20-3 | Naphthalene | 83.3 | 81.4 | 98 | 59-130 |
| 129-00-0 | Pyrene | 83.3 | 93.4 | 112 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|-----------|----------------------|------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 110% | 10-162% |
| 321-60-8 | 2-Fluorobiphenyl | 112% | 25-130% |
| 1718-51-0 | Terphenyl-d14 | 102% | 51-131% |

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|------------|----|----------|----|-----------|------------|------------------|
| OP15235-MS | 1G134193.D | 1 | 07/14/17 | DC | 07/14/17 | OP15235 | E1G2063 |
| OP15235-MSD | 1G134194.D | 1 | 07/14/17 | DC | 07/14/17 | OP15235 | E1G2063 |
| D95695-1 | 1G134192.D | 1 | 07/14/17 | DC | 07/14/17 | OP15235 | E1G2063 |

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

D95794-1, D95794-2

| CAS No. | Compound | D95695-1 ug/kg | Q | Spike ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|----------|------------------------|-------------------|---|----------------|-------------|---------|----------------|--------------|----------|-------|-------------------|
| 83-32-9 | Acenaphthene | 2.6 | J | 85.6 | 65.5 | 73 | 85.6 | 73.4 | 83 | 11 | 10-170/30 |
| 120-12-7 | Anthracene | 5.9 | | 85.6 | 88.6 | 97 | 85.6 | 90.5 | 99 | 2 | 50-146/30 |
| 56-55-3 | Benzo(a)anthracene | 36.0 | | 85.6 | 164 | 149 | 85.6 | 128 | 107 | 25 | 37-149/30 |
| 205-99-2 | Benzo(b)fluoranthene | 72.4 | | 85.6 | 243 | 199* a | 85.6 | 191 | 138 | 24 | 49-149/30 |
| 207-08-9 | Benzo(k)fluoranthene | 23.1 | | 85.6 | 128 | 122 | 85.6 | 121 | 114 | 6 | 58-130/30 |
| 50-32-8 | Benzo(a)pyrene | 58.5 | | 85.6 | 210 | 177* a | 85.6 | 186 | 149* a | 12 | 65-136/30 |
| 218-01-9 | Chrysene | 49.0 | | 85.6 | 182 | 155* a | 85.6 | 134 | 99 | 30 | 41-130/30 |
| 53-70-3 | Dibenzo(a,h)anthracene | 8.7 | | 85.6 | 82.9 | 87 | 85.6 | 78.6 | 82 | 5 | 28-130/30 |
| 206-44-0 | Fluoranthene | 51.7 | | 85.6 | 196 | 168* a | 85.6 | 147 | 111 | 29 | 43-162/30 |
| 86-73-7 | Fluorene | ND | | 85.6 | 69.9 | 82 | 85.6 | 72.9 | 85 | 4 | 10-256/30 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 42.2 | | 85.6 | 171 | 150* a | 85.6 | 136 | 110 | 23 | 34-137/30 |
| 91-20-3 | Naphthalene | 2.3 | J | 85.6 | 58.8 | 66 | 85.6 | 54.7 | 61 | 7 | 10-186/30 |
| 129-00-0 | Pyrene | 54.7 | | 85.6 | 189 | 157 | 85.6 | 133 | 91 | 35* b | 14-157/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | D95695-1 | Limits |
|-----------|----------------------|-----|-----|----------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 60% | 63% | 58% | 10-162% |
| 321-60-8 | 2-Fluorobiphenyl | 72% | 79% | 77% | 25-130% |
| 1718-51-0 | Terphenyl-d14 | 74% | 83% | 85% | 51-131% |

(a) Outside control limits due to possible matrix interference.

(b) Variability of recovery may be due to sample matrix/nonhomogeneity.

* = Outside of Control Limits.

GC Volatiles**QC Data Summaries**

Includes the following where applicable:

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**

Method Blank Summary

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| | | | | | | | |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
| GGB2027-MB | GB41038.D | 1 | 07/14/17 | MR | n/a | n/a | GGB2027 |

The QC reported here applies to the following samples: Method: SW846 8015B

D95794-1, D95794-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|------------------|--------|----|-----|-------|---|
| | TPH-GRO (C6-C10) | ND | 10 | 5.0 | mg/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|----------|------------------------|--------------|
| 120-82-1 | 1,2,4-Trichlorobenzene | 106% 60-140% |

7.1.1
7

Blank Spike Summary

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| | | | | | | | |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
| GGB2027-BS | GB41039.D | 1 | 07/14/17 | MR | n/a | n/a | GGB2027 |

The QC reported here applies to the following samples: Method: SW846 8015B

D95794-1, D95794-2

| CAS No. | Compound | Spike mg/kg | BSP mg/kg | BSP % | Limits |
|---------|------------------|----------------|--------------|----------|--------|
| | TPH-GRO (C6-C10) | 110 | 119 | 108 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|----------|------------------------|------|---------|
| 120-82-1 | 1,2,4-Trichlorobenzene | 108% | 60-140% |

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| D95725-1MS | GB41042.D | 1 | 07/14/17 | MR | n/a | n/a | GGB2027 |
| D95725-1MSD | GB41043.D | 1 | 07/14/17 | MR | n/a | n/a | GGB2027 |
| D95725-1 | GB41041.D | 1 | 07/14/17 | MR | n/a | n/a | GGB2027 |

The QC reported here applies to the following samples: Method: SW846 8015B

D95794-1, D95794-2

| CAS No. | Compound | D95725-1 mg/kg | Q | Spike mg/kg | MS mg/kg | MS % | Spike mg/kg | MSD mg/kg | MSD % | RPD | Limits Rec/RPD |
|---------|------------------|-------------------|---|----------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| | TPH-GRO (C6-C10) | ND | | 130 | 118 | 91 | 130 | 112 | 86 | 5 | 70-131/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | D95725-1 | Limits |
|----------|------------------------|------|------|----------|---------|
| 120-82-1 | 1,2,4-Trichlorobenzene | 103% | 106% | 99% | 60-140% |

* = Outside of Control Limits.

GC/LC Semi-volatiles**QC Data Summaries**

Includes the following where applicable:

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**

Method Blank Summary

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| | | | | | | | |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
| OP15236-MB | FI55958.D | 1 | 07/17/17 | GN | 07/14/17 | OP15236 | GFI2342 |

The QC reported here applies to the following samples: Method: SW846-8015B

D95794-1, D95794-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|-------------------|--------|----|-----|-------|---|
| | TPH-DRO (C10-C28) | ND | 10 | 9.0 | mg/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|---------|----------------------|-------------|
| 84-15-1 | o-Terphenyl | 83% 41-134% |

8.1.1
8

Method Blank Summary

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| | | | | | | | |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
| OP15236-MB2 | FI55991.D | 1 | 07/18/17 | GN | 07/14/17 | OP15236 | GFI2345 |

The QC reported here applies to the following samples: Method: SW846-8015B

D95794-1, D95794-2

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|-------------------|--------|----|-----|-------|---|
| | TPH-DRO (C10-C28) | ND | 40 | 36 | mg/kg | |

| CAS No. | Surrogate Recoveries | Limits |
|---------|----------------------|-------------|
| 84-15-1 | o-Terphenyl | 89% 41-134% |

8.1.2
8

Blank Spike Summary

Job Number: D95794
Account: CPXPCOC CPX Piceance Basin LLC
Project: TEPEE

| | | | | | | | |
|------------|-----------|----|----------|----|-----------|------------|------------------|
| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
| OP15236-BS | FI55960.D | 1 | 07/17/17 | GN | 07/14/17 | OP15236 | GFI2342 |

The QC reported here applies to the following samples: Method: SW846-8015B

D95794-1, D95794-2

| CAS No. | Compound | Spike mg/kg | BSP mg/kg | BSP % | Limits |
|---------|-------------------|----------------|--------------|----------|--------|
| | TPH-DRO (C10-C28) | 250 | 198 | 79 | 35-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|---------|----------------------|------|---------|
| 84-15-1 | o-Terphenyl | 100% | 41-134% |

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D95794

Account: CPXPCOC CPX Piceance Basin LLC

Project: TEPEE

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| OP15236-MS | FI55959.D | 1 | 07/17/17 | GN | 07/14/17 | OP15236 | GFI2343 |
| OP15236-MSD | FI55961.D | 1 | 07/17/17 | GN | 07/14/17 | OP15236 | GFI2343 |
| D95725-1 | FI55963.D | 1 | 07/17/17 | GN | 07/14/17 | OP15236 | GFI2343 |

The QC reported here applies to the following samples:

Method: SW846-8015B

D95794-1, D95794-2

| CAS No. | Compound | D95725-1 mg/kg | Q | Spike mg/kg | MS mg/kg | MS % | Spike mg/kg | MSD mg/kg | MSD % | RPD | Limits Rec/RPD |
|---------|-------------------|-------------------|---|----------------|-------------|---------|----------------|--------------|----------|-----|-------------------|
| | TPH-DRO (C10-C28) | 531 | | 271 | 491 | -15* a | 271 | 445 | -32* a | 10 | 10-171/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | D95725-1 | Limits |
|---------|----------------------|-----|-----|----------|---------|
| 84-15-1 | o-Terphenyl | 89% | 84% | 97% | 41-134% |

(a) Outside control limits due to possible matrix interference.

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22352
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 07/17/17

| Metal | RL | IDL | MDL | MB raw | final |
|---------|-------|--------|-------|-----------|--------|
| Mercury | 0.083 | .00088 | .0067 | 0.0039 | <0.083 |

Associated samples MP22352: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22352
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 07/17/17

| Metal | D95580-3 | | SpikeLot | | QC |
|---------|----------|------|----------|-------|--------|
| | Original | MS | HGWSR1 | % Rec | Limits |
| Mercury | 0.026 | 0.38 | 0.309 | 114.6 | 75-125 |

Associated samples MP22352: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22352
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 07/17/17

| Metal | D95580-3 Original MSD | Spikelot HGWSR1 | % Rec | MSD RPD | QC Limit | |
|---------|--------------------------|--------------------|-------|------------|-------------|----|
| Mercury | 0.026 | 0.40 | 0.346 | 108.0 | 5.1 | 20 |

Associated samples MP22352: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22352
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 07/17/17

| Metal | BSP Result | Spikelot HGWSR1 | % Rec | QC Limits |
|---------|---------------|--------------------|-------|--------------|
| Mercury | 0.34 | 0.333 | 102.0 | 80-120 |

Associated samples MP22352: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22399
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 07/18/17

| Metal | RL | IDL | MDL | MB raw | final |
|---------|------|-------|------|-----------|-------|
| Arsenic | 0.10 | .0085 | .024 | 0.035 | <0.10 |

Associated samples MP22399: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22399
 Matrix Type: SOLID

Methods: SW846 6020A
 Units: mg/kg

Prep Date: 07/18/17

| Metal | D95794-1 | | SpikeLot | | QC |
|---------|----------|-----|----------|-------|--------|
| | Original | MS | ICPALL2 | % Rec | Limits |
| Arsenic | 6.5 | 112 | 108 | 97.3 | 75-125 |

Associated samples MP22399: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

Methods: SW846 6020A
Units: mg/kg

07/18/17

| | D95794-1 | Spikelot | MSD | QC |
|---------|--------------|---------------|------|-------|
| Metal | Original MSD | ICPALL2 % Rec | RPD | Limit |
| Arsenic | 6.5 | 95.8 | 107 | 83.1 |
| | | | 15.6 | 20 |

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

Methods: SW846 6020A
Units: mg/kg

| Metal | BSP Result | Spikelot ICPALL2 % Rec | QC Limits |
|---------|---------------|---------------------------|--------------|
| Arsenic | 85.9 | 100 | 85.9 80-120 |

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

Methods: SW846 6020A
Units: ug/l

| | | |
|-------|------------------------------------|--------------|
| Metal | D95794-1 Original SDL 5:25 %DIF | QC Limits |
|-------|------------------------------------|--------------|

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22400
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/18/17

| Metal | RL | IDL | MDL | MB raw | final |
|------------|------|------|-----|-----------|-------|
| Aluminum | 10 | 1.1 | 1.7 | | |
| Antimony | 3.0 | .21 | .82 | | |
| Arsenic | 2.5 | .38 | 1 | | |
| Barium | 1.0 | .02 | .16 | 0.75 | * (a) |
| Beryllium | 1.0 | .09 | .16 | | |
| Boron | 5.0 | .08 | .29 | | |
| Cadmium | 1.0 | .02 | .1 | -0.020 | <1.0 |
| Calcium | 40 | .24 | 9.6 | | |
| Chromium | 1.0 | .03 | .19 | 0.060 | <1.0 |
| Cobalt | 0.50 | .05 | .12 | | |
| Copper | 1.0 | .08 | .48 | 0.11 | <1.0 |
| Iron | 7.0 | .15 | .69 | | |
| Lead | 5.0 | .21 | .6 | | |
| Lithium | 0.50 | .04 | .07 | | |
| Magnesium | 20 | .68 | 3.9 | | |
| Manganese | 0.50 | .05 | .07 | | |
| Molybdenum | 1.0 | .04 | .36 | | |
| Nickel | 3.0 | .05 | .24 | 0.040 | <3.0 |
| Phosphorus | 10 | 1.5 | 4.3 | | |
| Potassium | 200 | 8.4 | 6 | | |
| Selenium | 5.0 | .71 | 1 | -0.41 | <5.0 |
| Silicon | 5.0 | .47 | .91 | | |
| Silver | 3.0 | .03 | .05 | 0.11 | <3.0 |
| Sodium | 40 | .73 | 1.5 | | |
| Strontium | 5.0 | .001 | .03 | | |
| Thallium | 1.0 | 1.7 | .86 | | |
| Tin | 5.0 | 1.2 | 1.2 | | |
| Titanium | 1.0 | .01 | .27 | | |
| Uranium | 5.0 | .29 | .44 | | |
| Vanadium | 1.0 | .04 | .07 | | |
| Zinc | 3.0 | .04 | .35 | 0.76 | <3.0 |

Associated samples MP22400: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22400
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/18/17

| Metal | RL | IDL | MDL | MB raw | final |
|-------|----|-----|-----|-----------|-------|
|-------|----|-----|-----|-----------|-------|

(anr) Analyte not requested

(a) All sample results < RL or > 10x MB concentration.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22400
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/18/17

| Metal | D95794-1 Original MS | Spikelot ICPAL2 | % Rec | QC Limits |
|------------|-------------------------|--------------------|-----------|-----------------|
| Aluminum | anr | | | |
| Antimony | anr | | | |
| Arsenic | anr | | | |
| Barium | 10800000010400 | 217 | 1996.8(a) | 75-125 |
| Beryllium | anr | | | |
| Boron | | | | |
| Cadmium | 0.0 | 43.1 | 54.2 | 79.5 75-125 |
| Calcium | anr | | | |
| Chromium | 18.6 | 58.8 | 54.2 | 74.9N(b) 75-125 |
| Cobalt | anr | | | |
| Copper | 24.4 | 71.3 | 54.2 | 86.5 75-125 |
| Iron | anr | | | |
| Lead | anr | | | |
| Lithium | | | | |
| Magnesium | anr | | | |
| Manganese | anr | | | |
| Molybdenum | | | | |
| Nickel | 13.9 | 59.6 | 54.2 | 81.9 75-125 |
| Phosphorus | | | | |
| Potassium | anr | | | |
| Selenium | 3.4 | 89.3 | 108 | 79.2 75-125 |
| Silicon | | | | |
| Silver | 0.0 | 12.7 | 21.7 | 58.6N(b) 75-125 |
| Sodium | anr | | | |
| Strontium | | | | |
| Thallium | anr | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | anr | | | |
| Zinc | 41.3 | 76.3 | 54.2 | 64.6N(b) 75-125 |

Associated samples MP22400: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22400
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 07/18/17

| Metal | D95794-1 Original MS | Spike lot ICPALL2 | % Rec | QC Limits |
|-------|-------------------------|----------------------|-------|--------------|
|-------|-------------------------|----------------------|-------|--------------|

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22400
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/18/17

| Metal | D95794-1 Original | MSD | SpikeLot ICPAL2 | % Rec | MSD RPD | QC Limit |
|------------|----------------------|------|--------------------|-----------|------------|-------------|
| Aluminum | anr | | | | | |
| Antimony | anr | | | | | |
| Arsenic | anr | | | | | |
| Barium | 1080000008690 | | 215 | 1219.4(a) | 4.2 | 20 |
| Beryllium | anr | | | | | |
| Boron | | | | | | |
| Cadmium | 0.0 | 43.9 | 53.7 | 81.7 | 1.8 | 20 |
| Calcium | anr | | | | | |
| Chromium | 18.6 | 60.1 | 53.7 | 78.0 | 2.2 | 20 |
| Cobalt | anr | | | | | |
| Copper | 24.4 | 71.4 | 53.7 | 87.5 | 2.8 | 20 |
| Iron | anr | | | | | |
| Lead | anr | | | | | |
| Lithium | | | | | | |
| Magnesium | anr | | | | | |
| Manganese | anr | | | | | |
| Molybdenum | | | | | | |
| Nickel | 13.9 | 61.2 | 53.7 | 85.6 | 2.6 | 20 |
| Phosphorus | | | | | | |
| Potassium | anr | | | | | |
| Selenium | 3.4 | 91.9 | 107 | 82.4 | 2.9 | 20 |
| Silicon | | | | | | |
| Silver | 0.0 | 13.0 | 21.5 | 60.5N(b) | 2.3 | 20 |
| Sodium | anr | | | | | |
| Strontium | | | | | | |
| Thallium | anr | | | | | |
| Tin | | | | | | |
| Titanium | | | | | | |
| Uranium | | | | | | |
| Vanadium | anr | | | | | |
| Zinc | 41.3 | 80.0 | 53.7 | 72.0N(b) | 4.7 | 20 |

Associated samples MP22400: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22400
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 07/18/17

| Metal | D95794-1 Original MSD | SpikeLot ICPALL2 % Rec | MSD RPD | QC Limit |
|-------|--------------------------|---------------------------|------------|-------------|
|-------|--------------------------|---------------------------|------------|-------------|

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22400
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 07/18/17

| Metal | BSP Result | Spikelot ICPALL2 | % Rec | QC Limits |
|------------|---------------|---------------------|-------|--------------|
| Aluminum | anr | | | |
| Antimony | anr | | | |
| Arsenic | anr | | | |
| Barium | 180 | 200 | 90.0 | 80-120 |
| Beryllium | anr | | | |
| Boron | | | | |
| Cadmium | 45.6 | 50 | 91.2 | 80-120 |
| Calcium | anr | | | |
| Chromium | 42.7 | 50 | 85.4 | 80-120 |
| Cobalt | anr | | | |
| Copper | 45.7 | 50 | 91.4 | 80-120 |
| Iron | anr | | | |
| Lead | anr | | | |
| Lithium | | | | |
| Magnesium | anr | | | |
| Manganese | anr | | | |
| Molybdenum | | | | |
| Nickel | 47.3 | 50 | 94.6 | 80-120 |
| Phosphorus | | | | |
| Potassium | anr | | | |
| Selenium | 87.1 | 100 | 87.1 | 80-120 |
| Silicon | | | | |
| Silver | 16.0 | 20 | 80.0 | 80-120 |
| Sodium | anr | | | |
| Strontium | | | | |
| Thallium | anr | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | anr | | | |
| Zinc | 41.0 | 50 | 82.0 | 80-120 |

Associated samples MP22400: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/18/17

| | | | |
|-------|---------------|---------------------------|--------------|
| Metal | BSP Result | Spikelot ICPALL2 % Rec | QC Limits |
|-------|---------------|---------------------------|--------------|

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22400
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/18/17

| Metal | D95794-1 Original | SDL 1:1 | %DIF | QC Limits |
|------------|----------------------|---------|----------|--------------|
| Aluminum | anr | | | |
| Antimony | anr | | | |
| Arsenic | anr | | | |
| Barium | 53400 | 54600 | 2.6 | 0-10 |
| Beryllium | anr | | | |
| Boron | | | | |
| Cadmium | 0.00 | 0.00 | NC | 0-10 |
| Calcium | anr | | | |
| Chromium | 179 | 199 | 18.7*(a) | 0-10 |
| Cobalt | anr | | | |
| Copper | 72.0 | 217 | 3.4 | 0-10 |
| Iron | anr | | | |
| Lead | anr | | | |
| Lithium | | | | |
| Magnesium | anr | | | |
| Manganese | anr | | | |
| Molybdenum | | | | |
| Nickel | 134 | 33.0 | 76.5 (b) | 0-10 |
| Phosphorus | | | | |
| Potassium | anr | | | |
| Selenium | 0.00 | 0.00 | NC (b) | 0-10 |
| Silicon | | | | |
| Silver | 0.00 | 0.00 | NC | 0-10 |
| Sodium | anr | | | |
| Strontium | | | | |
| Thallium | anr | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | anr | | | |
| Zinc | 352 | 485 | 27.1*(a) | 0-10 |

Associated samples MP22400: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22400
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/18/17

| | | | |
|-------|------------------|------|--------|
| | D95794-1 | | QC |
| Metal | Original SDL 1:1 | %DIF | Limits |

(anr) Analyte not requested

(a) Serial dilution indicates possible matrix interference.

(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22423
Matrix Type: AQUEOUS

Methods: SW846 6010C, USDA HANDBOOK 60
Units: ug/l

Prep Date: 07/19/17

| Metal | RL | IDL | MDL | MB raw | final |
|------------|------|-----|-----|-----------|-------|
| Aluminum | 500 | 55 | 65 | | |
| Antimony | 150 | 11 | 44 | | |
| Arsenic | 130 | 19 | 60 | | |
| Barium | 50 | 1 | 6.5 | | |
| Beryllium | 50 | 4.5 | 8 | | |
| Boron | 250 | 4 | 18 | | |
| Cadmium | 50 | 1 | 9.5 | | |
| Calcium | 2000 | 12 | 50 | -4.0 | <2000 |
| Chromium | 50 | 1.5 | 5.5 | | |
| Cobalt | 25 | 2.5 | 6 | | |
| Copper | 50 | 4 | 19 | | |
| Iron | 350 | 7.5 | 35 | | |
| Lead | 250 | 11 | 25 | | |
| Lithium | 25 | 2 | 3.5 | | |
| Magnesium | 1000 | 34 | 200 | 24.0 | <1000 |
| Manganese | 25 | 2.5 | 4.5 | | |
| Molybdenum | 50 | 2 | 18 | | |
| Nickel | 150 | 2.5 | 14 | | |
| Phosphorus | 500 | 75 | 170 | | |
| Potassium | 5000 | 500 | 360 | | |
| Selenium | 250 | 36 | 55 | | |
| Silicon | 250 | 24 | 42 | | |
| Silver | 150 | 1.5 | 3.1 | | |
| Sodium | 2000 | 37 | 70 | -150 | <2000 |
| Strontium | 25 | .05 | 1.5 | | |
| Thallium | 50 | 9 | 40 | | |
| Tin | 250 | 60 | 60 | | |
| Titanium | 50 | .5 | 14 | | |
| Uranium | 250 | 15 | 22 | | |
| Vanadium | 50 | 2 | 3 | | |
| Zinc | 150 | 2 | 18 | | |

Associated samples MP22423: D95794-1A, D95794-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

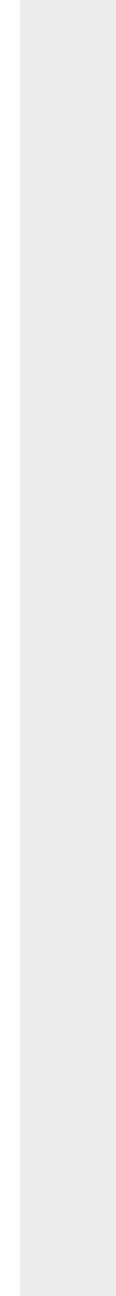
QC Batch ID: MP22423
Matrix Type: AQUEOUS

Methods: SW846 6010C, USDA HANDBOOK 60
Units: ug/l

Prep Date: 07/19/17

| Metal | RL | IDL | MDL | MB raw | final |
|-------|----|-----|-----|-----------|-------|
|-------|----|-----|-----|-----------|-------|

(anr) Analyte not requested



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22423
Matrix Type: AQUEOUS

Methods: SW846 6010C, USDA HANDBOOK 60
Units: ug/l

Prep Date: 07/19/17

| Metal | D95794-2A Original MS | | Spikelot ICPAL2 | % Rec | QC Limits |
|------------|--------------------------|--------|--------------------|-------|--------------|
| Aluminum | | | | | |
| Antimony | | | | | |
| Arsenic | | | | | |
| Barium | | | | | |
| Beryllium | | | | | |
| Boron | | | | | |
| Cadmium | | | | | |
| Calcium | 27700 | 153000 | 125000 | 100.2 | 75-125 |
| Chromium | | | | | |
| Cobalt | | | | | |
| Copper | | | | | |
| Iron | | | | | |
| Lead | | | | | |
| Lithium | | | | | |
| Magnesium | 2890 | 130000 | 125000 | 101.7 | 75-125 |
| Manganese | | | | | |
| Molybdenum | | | | | |
| Nickel | | | | | |
| Phosphorus | | | | | |
| Potassium | | | | | |
| Selenium | | | | | |
| Silicon | | | | | |
| Silver | | | | | |
| Sodium | 123000 | 230000 | 125000 | 85.6 | 75-125 |
| Strontium | | | | | |
| Thallium | | | | | |
| Tin | | | | | |
| Titanium | | | | | |
| Uranium | | | | | |
| Vanadium | | | | | |
| Zinc | | | | | |

Associated samples MP22423: D95794-1A, D95794-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

Methods: SW846 6010C, USDA HANDBOOK 60
Units: ug/l

07/19/17

| | | | |
|-------|-------------|---------------|--------|
| Metal | D95794-2A | Spikelot | QC |
| | Original MS | ICPALL2 % Rec | Limits |

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22423
Matrix Type: AQUEOUS

Methods: SW846 6010C, USDA HANDBOOK 60
Units: ug/l

Prep Date: 07/19/17

| Metal | D95794-2A Original MSD | | Spikelot ICPALL2 % Rec | | MSD RPD | QC Limit |
|------------|---------------------------|--------|---------------------------|------|------------|-------------|
| Aluminum | | | | | | |
| Antimony | | | | | | |
| Arsenic | | | | | | |
| Barium | | | | | | |
| Beryllium | | | | | | |
| Boron | | | | | | |
| Cadmium | | | | | | |
| Calcium | 27700 | 149000 | 125000 | 97.0 | 2.6 | 20 |
| Chromium | | | | | | |
| Cobalt | | | | | | |
| Copper | | | | | | |
| Iron | | | | | | |
| Lead | | | | | | |
| Lithium | | | | | | |
| Magnesium | 2890 | 125000 | 125000 | 97.7 | 3.9 | 20 |
| Manganese | | | | | | |
| Molybdenum | | | | | | |
| Nickel | | | | | | |
| Phosphorus | | | | | | |
| Potassium | | | | | | |
| Selenium | | | | | | |
| Silicon | | | | | | |
| Silver | | | | | | |
| Sodium | 123000 | 227000 | 125000 | 83.2 | 1.3 | 20 |
| Strontium | | | | | | |
| Thallium | | | | | | |
| Tin | | | | | | |
| Titanium | | | | | | |
| Uranium | | | | | | |
| Vanadium | | | | | | |
| Zinc | | | | | | |

Associated samples MP22423: D95794-1A, D95794-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

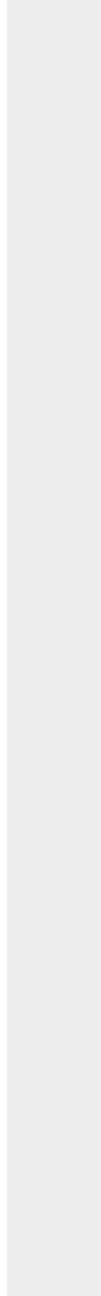
QC Batch ID: MP22423
 Matrix Type: AQUEOUS

Methods: SW846 6010C, USDA HANDBOOK 60
 Units: ug/l

Prep Date: 07/19/17

| Metal | D95794-2A Original MSD | SpikeLot ICPALL2 % Rec | MSD RPD | QC Limit |
|-------|---------------------------|---------------------------|------------|-------------|
|-------|---------------------------|---------------------------|------------|-------------|

(N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested



SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D95794

Account: CPXPCCOC - CPX Piceance Basin LLC

Project: TEPEE

QC Batch ID: MP22423

Methods: SW846 6010C, USDA HANDBOOK 60

Matrix Type: AQUEOUS

Units: ug/l

Prep Date:

07/19/17

| Metal | BSP Result | Spikelot ICPALL2 | % Rec | QC Limits |
|------------|---------------|---------------------|-------|--------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | | | | |
| Calcium | 131000 | 125000 | 104.8 | 80-120 |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | | | | |
| Lithium | | | | |
| Magnesium | 125000 | 125000 | 100.0 | 80-120 |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silicon | | | | |
| Silver | | | | |
| Sodium | 123000 | 125000 | 98.4 | 80-120 |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP22423: D95794-1A, D95794-2A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

9.4.3

9

SERIAL DILUTION RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22423
 Matrix Type: AQUEOUS

Methods: SW846 6010C, USDA HANDBOOK 60
 Units: ug/l

Prep Date: 07/19/17

| Metal | D95794-2A Original SDL 1:5 | | %DIF | QC Limits |
|------------|-------------------------------|-------|------|--------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | | | | |
| Calcium | 5540 | 5080 | 8.3 | 0-10 |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | | | | |
| Lithium | | | | |
| Magnesium | 579 | 531 | 8.2 | 0-10 |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silicon | | | | |
| Silver | | | | |
| Sodium | 24600 | 23600 | 3.8 | 0-10 |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP22423: D95794-1A, D95794-2A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

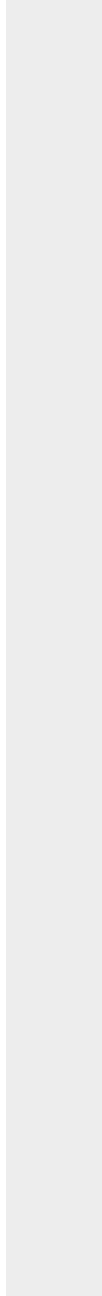
QC Batch ID: MP22423
Matrix Type: AQUEOUS

Methods: SW846 6010C, USDA HANDBOOK 60
Units: ug/l

Prep Date: 07/19/17

| | | | |
|-------|------------------|------|--------|
| | D95794-2A | | QC |
| Metal | Original SDL 1:5 | %DIF | Limits |

(anr) Analyte not requested



BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22435
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/24/17

| Metal | RL | IDL | MDL | MB raw | final |
|------------|------|------|------|-----------|-------|
| Aluminum | 10 | 1.1 | 1.8 | | |
| Antimony | 3.1 | .22 | .85 | | |
| Arsenic | 2.6 | .39 | 1 | | |
| Barium | 1.0 | .031 | .16 | | |
| Beryllium | 1.0 | .093 | .16 | | |
| Boron | 5.2 | .34 | .3 | 0.20 | <5.2 |
| Cadmium | 1.0 | .021 | .1 | | |
| Calcium | 41 | .25 | 9.9 | | |
| Chromium | 1.0 | .031 | .2 | | |
| Cobalt | 0.52 | .052 | .12 | | |
| Copper | 1.0 | .082 | .49 | | |
| Iron | 7.2 | .15 | .71 | | |
| Lead | 5.2 | .22 | .62 | 0.010 | <5.2 |
| Lithium | 0.52 | .041 | .072 | | |
| Magnesium | 21 | .7 | 4 | | |
| Manganese | 0.52 | .052 | .072 | | |
| Molybdenum | 1.0 | .041 | .37 | | |
| Nickel | 3.1 | .052 | .25 | | |
| Phosphorus | 10 | 1.5 | 4.4 | | |
| Potassium | 210 | 8.6 | 6.2 | | |
| Selenium | 5.2 | .73 | 1 | | |
| Silicon | 5.2 | .48 | .94 | | |
| Silver | 3.1 | .031 | .052 | | |
| Sodium | 41 | .75 | 1.5 | | |
| Strontium | 5.2 | .001 | .031 | | |
| Thallium | 1.0 | .19 | .89 | | |
| Tin | 5.2 | 1.2 | 1.2 | | |
| Titanium | 1.0 | .01 | .28 | | |
| Uranium | 5.2 | .3 | .45 | | |
| Vanadium | 1.0 | .041 | .072 | | |
| Zinc | 3.1 | .041 | .36 | | |

Associated samples MP22435: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22435
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/24/17

| Metal | RL | IDL | MDL | MB raw | final |
|-------|----|-----|-----|-----------|-------|
|-------|----|-----|-----|-----------|-------|

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22435
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/24/17

| Metal | D95972-1 Original MS | Spikelot ICPAL2 | % Rec | QC Limits |
|------------|-------------------------|--------------------|-------|-----------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | anr | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | 4.4 | 84.9 | 99.6 | 85.2 75-125 |
| Cadmium | anr | | | |
| Calcium | | | | |
| Chromium | anr | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | 8.9 | 78.7 | 99.6 | 70.1N(a) 75-125 |
| Lithium | | | | |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | anr | | | |
| Silicon | | | | |
| Silver | anr | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP22435: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22435
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 07/24/17

| Metal | D95972-1 Original MS | SpikeLot ICPALL2 | % Rec | QC Limits |
|-------|-------------------------|---------------------|-------|--------------|
|-------|-------------------------|---------------------|-------|--------------|

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22435
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/24/17

| Metal | D95972-1 Original | MSD | Spikelot ICPALL2 | % Rec | MSD RPD | QC Limit |
|------------|----------------------|------|---------------------|----------|------------|-------------|
| Aluminum | | | | | | |
| Antimony | | | | | | |
| Arsenic | anr | | | | | |
| Barium | | | | | | |
| Beryllium | | | | | | |
| Boron | 4.4 | 84.1 | 99.6 | 84.4 | 0.9 | 20 |
| Cadmium | anr | | | | | |
| Calcium | | | | | | |
| Chromium | anr | | | | | |
| Cobalt | | | | | | |
| Copper | | | | | | |
| Iron | | | | | | |
| Lead | 8.9 | 80.2 | 99.6 | 71.6N(a) | 1.9 | 20 |
| Lithium | | | | | | |
| Magnesium | | | | | | |
| Manganese | | | | | | |
| Molybdenum | | | | | | |
| Nickel | | | | | | |
| Phosphorus | | | | | | |
| Potassium | | | | | | |
| Selenium | anr | | | | | |
| Silicon | | | | | | |
| Silver | anr | | | | | |
| Sodium | | | | | | |
| Strontium | | | | | | |
| Thallium | | | | | | |
| Tin | | | | | | |
| Titanium | | | | | | |
| Uranium | | | | | | |
| Vanadium | | | | | | |
| Zinc | | | | | | |

Associated samples MP22435: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22435
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 07/24/17

| Metal | D95972-1 Original MSD | Spike lot ICPALL2 % Rec | MSD RPD | QC Limit |
|-------|--------------------------|----------------------------|------------|-------------|
|-------|--------------------------|----------------------------|------------|-------------|

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D95794

Account: CPXPCOC - CPX Piceance Basin LLC

Project: TEPEE

QC Batch ID: MP22435

Methods: SW846 6010C

Matrix Type: SOLID

Units: mg/kg

Prep Date:

07/24/17

| Metal | BSP Result | Spikelot ICPALL2 | % Rec | QC Limits |
|------------|---------------|---------------------|-------|--------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | anr | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | 95.4 | 103 | 92.5 | 80-120 |
| Cadmium | anr | | | |
| Calcium | | | | |
| Chromium | anr | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | 92.8 | 103 | 90.0 | 80-120 |
| Lithium | | | | |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | anr | | | |
| Silicon | | | | |
| Silver | anr | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP22435: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

Methods: SW846 6010C
Units: mg/kg

| | BSP | Spikelot | QC |
|-------|--------|---------------|--------|
| Metal | Result | ICPALL2 % Rec | Limits |

SERIAL DILUTION RESULTS SUMMARY

Login Number: D95794
 Account: CPXPCCOC - CPX Piceance Basin LLC
 Project: TEPEE

QC Batch ID: MP22435
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 07/24/17

| Metal | | D95972-1 Original SDL 1:5 | | %DIF | QC Limits |
|------------|------|------------------------------|----------|------|--------------|
| Aluminum | | | | | |
| Antimony | | | | | |
| Arsenic | anr | | | | |
| Barium | | | | | |
| Beryllium | | | | | |
| Boron | 52.1 | 0.00 | NC | | 0-10 |
| Cadmium | anr | | | | |
| Calcium | | | | | |
| Chromium | anr | | | | |
| Cobalt | | | | | |
| Copper | | | | | |
| Iron | | | | | |
| Lead | 137 | 155 | 46.1*(a) | | 0-10 |
| Lithium | | | | | |
| Magnesium | | | | | |
| Manganese | | | | | |
| Molybdenum | | | | | |
| Nickel | | | | | |
| Phosphorus | | | | | |
| Potassium | | | | | |
| Selenium | anr | | | | |
| Silicon | | | | | |
| Silver | anr | | | | |
| Sodium | | | | | |
| Strontium | | | | | |
| Thallium | | | | | |
| Tin | | | | | |
| Titanium | | | | | |
| Uranium | | | | | |
| Vanadium | | | | | |
| Zinc | | | | | |

Associated samples MP22435: D95794-1, D95794-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

QC Batch ID: MP22435
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/24/17

| | | | |
|-------|------------------|------|--------|
| | D95972-1 | | QC |
| Metal | Original SDL 1:5 | %DIF | Limits |

(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

General Chemistry**QC Data Summaries**

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

| Analyte | Batch ID | RL | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|-----------------------|-----------------|----|--------------|----------|-----------------|---------------|---------------|--------------|
| Specific Conductivity | GP20763/GN39525 | | | umhos/cm | 9993 | 9890 | 99.0 | 90-110% |

Associated Samples:
Batch GP20763: D95794-1, D95794-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D95794
Account: CPXPCOC - CPX Piceance Basin LLC
Project: TEPEE

| Analyte | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|-----------------|----------|-----------|-------|-----------------|------------|-----|-----------|
| Solids, Percent | GN39491 | D95837-1 | % | 81.9 | 82.3 | 0.5 | 0-10% |

Associated Samples:
Batch GN39491: D95794-1, D95794-2
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

Page 1 of 1

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.acctest.com

| | |
|--|---------------------------------|
| FED-EX Tracking # 2643 5644 1043 | Bottle Order Control # |
| SGS Accutest Quote # | Accutest Job # D95794 |

| Client / Reporting Information | | Project Information | | Requested Analysis (see TEST CODE sheet) | | | | | | | | | | | | Matrix Codes | | | |
|--|--|--|--|---|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: SGS Accutest Laboratories | | Project Name: TEPEE | | | | | | | | | | | | | | DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank | | | |
| Street Address 4036 Youngfield Street | | Street | | | | | | | | | | | | | | | | | |
| City State Zip Wheat Ridge, CO 80033 | | City State | | | | | | | | | | | | | | | | | |
| Project Contact E-mail jeremy.dechant@sgs.com | | Project # | | | | | | | | | | | | | | | | | |
| Phone # 303-425-6021 | | Client Purchase Order # | | | | | | | | | | | | | | | | | |
| Sampler(s) Name(s) BC | | Project Manager | | Attention: | | | | | | | | | | | | | | | |
| Turnaround Time (Business days) | | Data Deliverable Information | | | | | | | | | | | | Comments / Special Instructions | | | | | |
| Approved By (SGS Accutest PM): / Date: | | Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Commercial "C" <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> Other COMMB <input checked="" type="checkbox"/> | | | | | | | | | | | | INITIAL ASSESSMENT 2A Don LABEL VERIFICATION IG | | | | | |
| Emergency & Rush T/A data available VIA Lablink | | Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data | | | | | | | | | | | | | | | | | |
| Relinquished by Sampler: 102 | | Date Time: 7/11/17 | | Received By: FX | | Relinquished By: FX | | Date Time: 7/15/17 10:20 | | Received By: D | | | | | | | | | |
| Relinquished by Sampler: | | Date Time: | | Received By: | | Relinquished By: | | Date Time: | | Received By: | | | | | | | | | |
| Relinquished by: | | Date Time: | | Received By: | | Custody Seal # <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Not intact | | Preserved where applicable <input type="checkbox"/> | | On Ice <input checked="" type="checkbox"/> Cooler Temp: 3.3°C | | | | | | | | | |

D95794: Chain of Custody
Page 1 of 2
SGS Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: D95794

Client: _____

Project: _____

Date / Time Received: 7/15/2017 10:20:00 AM

Delivery Method: _____

Airbill #s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.3);

Cooler Temps (Corrected) °C: Cooler 1: (4.6);

Cooler Security

Y or N

Y or N

- | | |
|--|---|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <input type="checkbox"/> | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | |
|---|-----------|
| 1. Temp criteria achieved: <input checked="" type="checkbox"/> <input type="checkbox"/> | IR Gun |
| 2. Cooler temp verification: _____ | |
| 3. Cooler media: _____ | Ice (Bag) |
| 4. No. Coolers: _____ | 1 |

Quality Control Preservation

Y or N

N/A

- | | |
|---|---|
| 1. Trip Blank present / cooler: <input type="checkbox"/> <input type="checkbox"/> | ✓ |
| 2. Trip Blank listed on COC: <input type="checkbox"/> <input type="checkbox"/> | ✓ |
| 3. Samples preserved properly: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 4. VOCs headspace free: <input type="checkbox"/> <input type="checkbox"/> | ✓ |

Sample Integrity - Documentation

Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 2. Container labeling complete: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 3. Sample container label / COC agree: <input checked="" type="checkbox"/> <input type="checkbox"/> | |

Sample Integrity - Condition

Y or N

- | | |
|---|--------|
| 1. Sample recvd within HT: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 2. All containers accounted for: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 3. Condition of sample: _____ | Intact |

Sample Integrity - Instructions

Y or N N/A

- | | |
|---|---|
| 1. Analysis requested is clear: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests: <input type="checkbox"/> <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: <input checked="" type="checkbox"/> <input type="checkbox"/> | |
| 4. Compositing instructions clear: <input type="checkbox"/> <input type="checkbox"/> | ✓ |
| 5. Filtering instructions clear: <input type="checkbox"/> <input type="checkbox"/> | ✓ |

Comments

SM089-02
Rev. Date 12/1/16

D95794: Chain of Custody

Page 2 of 2

General Chemistry**QC Data Summaries**

(SGS Accutest New Jersey)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D95794
Account: ALMS - SGS Accutest Mountain States
Project: CPXPCOC: TEPEE

| Analyte | Batch ID | RL | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|----------------------|----------------|------|--------------|-------|-----------------|---------------|---------------|--------------|
| Chromium, Hexavalent | GP6619/GN67231 | 0.40 | 0.0 | mg/kg | 823.762 | 845 | 102.6 | 80-120% |
| Chromium, Hexavalent | GP6619/GN67231 | | | mg/kg | 40 | 39.9 | 99.8 | 80-120% |

Associated Samples:
Batch GP6619: D95794-1, D95794-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D95794
Account: ALMS - SGS Accutest Mountain States
Project: CPXPCOC: TEPEE

| Analyte | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|-----------------------|----------------|-----------|-------|-----------------|------------|-----------|-----------|
| Chromium, Hexavalent | GP6619/GN67231 | D95794-1 | mg/kg | 0.0 | 1.2 | 200.0*(a) | 0-20% |
| Redox Potential Vs H2 | GN67103 | JC47332-2 | mv | 395 | 388 | 1.8 | 0-15% |
| pH | GN67104 | JC47332-2 | su | 7.52 | 7.50 | 0.3 | 0-5% |

Associated Samples:

Batch GP6619: D95794-1, D95794-2

Batch GN67103: D95794-1, D95794-2

Batch GN67104: D95794-1, D95794-2

(*) Outside of QC limits

(a) High RPD due to possible sample nonhomogeneity.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D95794
Account: ALMS - SGS Accutest Mountain States
Project: CPXPCOC: TEPEE

| Analyte | Batch ID | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec | QC Limits |
|----------------------|----------------|-----------|-------|-----------------|--------------|-----------|----------|-----------|
| Chromium, Hexavalent | GP6619/GN67231 | D95794-1 | mg/kg | 0.0 | 1390 | 942 | 67.8N(a) | 75-125% |
| Chromium, Hexavalent | GP6619/GN67231 | D95794-1 | mg/kg | 0.0 | 46.3 | 0.72 | 1.6N(b) | 75-125% |

Associated Samples:

Batch GP6619: D95794-1, D95794-2

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Insoluble XCR matrix spike recovery indicates possible matrix interference. See additional comments on soluble matrix spike recovery.

(b) Soluble XCR matrix spike recovery indicates possible matrix interference. Low post spike recovery (83%) on this sample. Low pH adjusted post spike (82%). Good agreement between the sample and 1:5 dilution.

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12