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## Technical Report for

Chevron USA, Inc.

TASMCOA:Cache 8-13,24,34,Cornish 8-53

10772

SGS Job Number: DA75444

Sampling Date: 09/18/25

Report to:

Chevron USA, Inc.
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Total number of pages in report: 200

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 unless noted in the narrative, comments or footnotes.

Eric Hoffman

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Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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SGS North America Inc.

# Sample Summary

Chevron USA, Inc.

**Job No:** DA75444

TASMCOA:Cache 8-13,24,34,Cornish 8-53
Project No: 10772

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| DA75444-1 | 09/18/25 | 11:00 | SW | 09/18/25 | SO | Soil | AST01@0-6" |
| DA75444-1A | 09/18/25 | 11:00 | SW | 09/18/25 | SO | Soil | AST01@0-6" |
| DA75444-1B | 09/18/25 | 11:00 | SW | 09/18/25 | SO | Soil | AST01@0-6" |
| DA75444-2 | 09/18/25 | 11:02 | SW | 09/18/25 | SO | Soil | AST02@0-6" |
| DA75444-2A | 09/18/25 | 11:02 | SW | 09/18/25 | SO | Soil | AST02@0-6" |
| DA75444-2B | 09/18/25 | 11:02 | SW | 09/18/25 | SO | Soil | AST02@0-6" |
| DA75444-3 | 09/18/25 | 11:04 | SW | 09/18/25 | SO | Soil | AST03@0-6" |
| DA75444-3A | 09/18/25 | 11:04 | SW | 09/18/25 | SO | Soil | AST03@0-6" |
| DA75444-3B | 09/18/25 | 11:04 | SW | 09/18/25 | SO | Soil | AST03@0-6" |
| DA75444-4 | 09/18/25 | 11:06 | SW | 09/18/25 | SO | Soil | AST04@0-6" |
| DA75444-4A | 09/18/25 | 11:06 | SW | 09/18/25 | SO | Soil | AST04@0-6" |
| DA75444-4B | 09/18/25 | 11:06 | SW | 09/18/25 | SO | Soil | AST04@0-6" |
| DA75444-5 | 09/18/25 | 11:08 | SW | 09/18/25 | SO | Soil | AST05@0-6" |

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

# Sample Summary
(continued)

Chevron USA, Inc.

**Job No:** DA75444

TASMCOA:Cache 8-13,24,34,Cornish 8-53
Project No: 10772

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| DA75444-5A | 09/18/25 | 11:08 | SW | 09/18/25 | SO | Soil | AST05@0-6" |
| DA75444-5B | 09/18/25 | 11:08 | SW | 09/18/25 | SO | Soil | AST05@0-6" |
| DA75444-6 | 09/18/25 | 12:12 | SW | 09/18/25 | SO | Soil | SEP01-FL@3' |
| DA75444-6A | 09/18/25 | 12:12 | SW | 09/18/25 | SO | Soil | SEP01-FL@3' |
| DA75444-6B | 09/18/25 | 12:12 | SW | 09/18/25 | SO | Soil | SEP01-FL@3' |
| DA75444-7 | 09/18/25 | 12:13 | SW | 09/18/25 | SO | Soil | SEP02-FL@3' |
| DA75444-7A | 09/18/25 | 12:13 | SW | 09/18/25 | SO | Soil | SEP02-FL@3' |
| DA75444-7B | 09/18/25 | 12:13 | SW | 09/18/25 | SO | Soil | SEP02-FL@3' |
| DA75444-8 | 09/18/25 | 12:14 | SW | 09/18/25 | SO | Soil | SEP03-FL@3' |
| DA75444-8A | 09/18/25 | 12:14 | SW | 09/18/25 | SO | Soil | SEP03-FL@3' |
| DA75444-8B | 09/18/25 | 12:14 | SW | 09/18/25 | SO | Soil | SEP03-FL@3' |
| DA75444-9 | 09/18/25 | 12:15 | SW | 09/18/25 | SO | Soil | SEP04-FL@3' |
| DA75444-9A | 09/18/25 | 12:15 | SW | 09/18/25 | SO | Soil | SEP04-FL@3' |

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

# Sample Summary
(continued)

Chevron USA, Inc.

**Job No:** DA75444

TASMCOA:Cache 8-13,24,34,Cornish 8-53
Project No: 10772

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| DA75444-9B | 09/18/25 | 12:15 | SW | 09/18/25 | SO | Soil | SEP04-FL@3' |
| DA75444-10 | 09/18/25 | 13:30 | SW | 09/18/25 | SO | Soil | PWV01-B@4' |
| DA75444-10A | 09/18/25 | 13:30 | SW | 09/18/25 | SO | Soil | PWV01-B@4' |
| DA75444-10B | 09/18/25 | 13:30 | SW | 09/18/25 | SO | Soil | PWV01-B@4' |
| DA75444-11 | 09/18/25 | 13:32 | SW | 09/18/25 | SO | Soil | PWV01-N@2' |
| DA75444-11A | 09/18/25 | 13:32 | SW | 09/18/25 | SO | Soil | PWV01-N@2' |
| DA75444-11B | 09/18/25 | 13:32 | SW | 09/18/25 | SO | Soil | PWV01-N@2' |
| DA75444-12 | 09/18/25 | 13:38 | SW | 09/18/25 | SO | Soil | PWV01-W@2' |
| DA75444-12A | 09/18/25 | 13:38 | SW | 09/18/25 | SO | Soil | PWV01-W@2' |
| DA75444-12B | 09/18/25 | 13:38 | SW | 09/18/25 | SO | Soil | PWV01-W@2' |

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

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **DA75444-1** | **AST01@0-6"** | | | | | |
| Benzene [a] | | 0.120 | 0.027 | | mg/kg | SW846 8260D |
| Ethylbenzene [a] | | 6.61 | 0.054 | | mg/kg | SW846 8260D |
| Toluene [a] | | 10.3 | 0.27 | | mg/kg | SW846 8260D |
| 1,2,4-Trimethylbenzene [b] | | 28.6 | 1.1 | | mg/kg | SW846 8260D |
| 1,3,5-Trimethylbenzene [a] | | 7.99 | 0.27 | | mg/kg | SW846 8260D |
| m,p-Xylene [b] | | 33.9 | 0.43 | | mg/kg | SW846 8260D |
| o-Xylene [b] | | 17.7 | 0.22 | | mg/kg | SW846 8260D |
| Xylene (total) [b] | | 51.6 | 0.43 | | mg/kg | SW846 8260D |
| TPH-GRO (C6-C10) [b] | | 1310 | 43 | | mg/kg | SW846 8260D |
| Fluorene [c] | | 3.12 | 0.20 | | mg/kg | SW846 8270E |
| 1-Methylnaphthalene | | 21.1 | 0.20 | | mg/kg | SW846 8270E |
| 2-Methylnaphthalene | | 35.6 | 0.20 | | mg/kg | SW846 8270E |
| Naphthalene | | 9.99 | 0.10 | | mg/kg | SW846 8270E |
| TPH-DRO (C10-C28) | | 10800 | 41 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 4110 | 61 | | mg/kg | SW846-8015C |
| Arsenic | | 2.4 | 0.068 | | mg/kg | SW846 6020B |
| Barium | | 58.6 | 0.68 | | mg/kg | SW846 6020B |
| Cadmium | | 0.074 | 0.034 | | mg/kg | SW846 6020B |
| Copper | | 3.1 | 0.68 | | mg/kg | SW846 6020B |
| Lead | | 4.8 | 0.17 | | mg/kg | SW846 6020B |
| Nickel | | 2.7 | 0.68 | | mg/kg | SW846 6020B |
| Zinc | | 12.0 | 3.4 | | mg/kg | SW846 6020B |
| pH [a] | | 7.71 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 1.6 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| **DA75444-1A** | **AST01@0-6"** | | | | | |
| Calcium [a] | | 294 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 70.4 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 30.4 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 0.413 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-1B** | **AST01@0-6"** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-2** | **AST02@0-6"** | | | | | |
| Benzene [a] | | 2.79 | 0.28 | | mg/kg | SW846 8260D |
| Ethylbenzene [a] | | 31.7 | 0.55 | | mg/kg | SW846 8260D |
| Toluene [a] | | 68.3 | 2.8 | | mg/kg | SW846 8260D |
| 1,2,4-Trimethylbenzene [a] | | 108 | 2.8 | | mg/kg | SW846 8260D |
| 1,3,5-Trimethylbenzene [a] | | 34.2 | 2.8 | | mg/kg | SW846 8260D |

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| m,p-Xylene [a] | | 139 | 1.1 | | mg/kg | SW846 8260D |
| o-Xylene [a] | | 74.9 | 0.55 | | mg/kg | SW846 8260D |
| Xylene (total) [a] | | 214 | 1.1 | | mg/kg | SW846 8260D |
| TPH-GRO (C6-C10) [a] | | 4520 | 110 | | mg/kg | SW846 8260D |
| Benzo(a)anthracene [e] | | 146 | 51 | | mg/kg | SW846 8270E |
| Chrysene [e] | | 60.0 | 41 | | mg/kg | SW846 8270E |
| Fluoranthene [e] | | 69.4 | 41 | | mg/kg | SW846 8270E |
| Fluorene [e] | | 832 | 41 | | mg/kg | SW846 8270E |
| 1-Methylnaphthalene [e] | | 2960 | 41 | | mg/kg | SW846 8270E |
| 2-Methylnaphthalene [e] | | 4430 | 41 | | mg/kg | SW846 8270E |
| Naphthalene [e] | | 519 | 20 | | mg/kg | SW846 8270E |
| Pyrene [e] | | 49.5 | 41 | | mg/kg | SW846 8270E |
| TPH-DRO (C10-C28) | | 26800 | 420 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 12100 | 640 | | mg/kg | SW846-8015C |
| Arsenic | | 2.3 | 0.061 | | mg/kg | SW846 6020B |
| Barium | | 39.4 | 0.61 | | mg/kg | SW846 6020B |
| Cadmium | | 0.083 | 0.030 | | mg/kg | SW846 6020B |
| Copper | | 6.3 | 0.61 | | mg/kg | SW846 6020B |
| Lead | | 4.8 | 0.15 | | mg/kg | SW846 6020B |
| Nickel | | 6.8 | 0.61 | | mg/kg | SW846 6020B |
| Zinc | | 17.7 | 3.0 | | mg/kg | SW846 6020B |
| pH [a] | | 8.82 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 0.90 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| **DA75444-2A** | **AST02@0-6"** | | | | | |
| Calcium [a] | | 116 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 29.3 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 53.4 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 1.15 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-2B** | **AST02@0-6"** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-3** | **AST03@0-6"** | | | | | |
| m,p-Xylene [a] | | 0.154 | 0.11 | | mg/kg | SW846 8260D |
| o-Xylene [a] | | 0.0706 | 0.056 | | mg/kg | SW846 8260D |
| Xylene (total) [a] | | 0.224 | 0.11 | | mg/kg | SW846 8260D |
| TPH-GRO (C6-C10) [a] | | 40.7 | 11 | | mg/kg | SW846 8260D |
| Benzo(a)pyrene | | 0.0962 | 0.0041 | | mg/kg | SW846 8270E |
| Fluoranthene | | 0.0648 | 0.0041 | | mg/kg | SW846 8270E |
| Fluorene | | 1.04 | 0.0041 | | mg/kg | SW846 8270E |
| 1-Methylnaphthalene | | 6.92 | 0.020 | | mg/kg | SW846 8270E |

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| 2-Methylnaphthalene | | 7.65 | 0.020 | | mg/kg | SW846 8270E |
| Naphthalene | | 0.638 | 0.0020 | | mg/kg | SW846 8270E |
| Pyrene | | 0.0672 | 0.0041 | | mg/kg | SW846 8270E |
| TPH-DRO (C10-C28) | | 7200 | 40 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 3920 | 60 | | mg/kg | SW846-8015C |
| Arsenic | | 1.8 | 0.087 | | mg/kg | SW846 6020B |
| Barium | | 30.7 | 0.87 | | mg/kg | SW846 6020B |
| Cadmium | | 0.049 | 0.043 | | mg/kg | SW846 6020B |
| Copper | | 5.6 | 0.87 | | mg/kg | SW846 6020B |
| Lead | | 4.3 | 0.22 | | mg/kg | SW846 6020B |
| Nickel | | 3.0 | 0.87 | | mg/kg | SW846 6020B |
| Zinc | | 16.5 | 4.3 | | mg/kg | SW846 6020B |
| pH [a] | | 7.62 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 1.2 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| **DA75444-3A** | **AST03@0-6"** | | | | | |
| Calcium [a] | | 69.2 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 51.3 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 114 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 2.53 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-3B** | **AST03@0-6"** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-4** | **AST04@0-6"** | | | | | |
| Ethylbenzene [a] | | 0.0109 | 0.0011 | | mg/kg | SW846 8260D |
| 1,2,4-Trimethylbenzene [a] | | 0.0594 | 0.0053 | | mg/kg | SW846 8260D |
| 1,3,5-Trimethylbenzene [a] | | 0.809 | 0.26 | | mg/kg | SW846 8260D |
| m,p-Xylene [a] | | 0.0153 | 0.0021 | | mg/kg | SW846 8260D |
| o-Xylene [a] | | 0.0656 | 0.0011 | | mg/kg | SW846 8260D |
| Xylene (total) [a] | | 0.0809 | 0.0021 | | mg/kg | SW846 8260D |
| TPH-GRO (C6-C10) [a] | | 81.8 | 10 | | mg/kg | SW846 8260D |
| Fluorene | | 0.0291 | 0.0039 | | mg/kg | SW846 8270E |
| 1-Methylnaphthalene | | 0.0449 | 0.0039 | | mg/kg | SW846 8270E |
| 2-Methylnaphthalene | | 0.0642 | 0.0039 | | mg/kg | SW846 8270E |
| Naphthalene | | 0.0047 | 0.0020 | | mg/kg | SW846 8270E |
| TPH-DRO (C10-C28) | | 122 | 4.0 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 127 | 6.1 | | mg/kg | SW846-8015C |
| Arsenic | | 1.2 | 0.080 | | mg/kg | SW846 6020B |
| Barium | | 22.0 | 0.80 | | mg/kg | SW846 6020B |
| Cadmium | | 0.048 | 0.040 | | mg/kg | SW846 6020B |
| Copper | | 3.0 | 0.80 | | mg/kg | SW846 6020B |

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Lead | | 2.7 | 0.20 | | mg/kg | SW846 6020B |
| Nickel | | 2.2 | 0.80 | | mg/kg | SW846 6020B |
| Selenium | | 0.17 | 0.16 | | mg/kg | SW846 6020B |
| Zinc | | 9.3 | 4.0 | | mg/kg | SW846 6020B |
| pH [a] | | 7.79 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 1.8 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| Chromium, Hexavalent [f] | | 0.82 | 0.42 | | mg/kg | SW846 3060A/7199 |
| **DA75444-4A** | **AST04@0-6"** | | | | | |
| Calcium [a] | | 88.5 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 19.3 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 282 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 7.07 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-4B** | **AST04@0-6"** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-5** | **AST05@0-6"** | | | | | |
| TPH-DRO (C10-C28) | | 14.0 | 4.3 | | mg/kg | SW846-8015C |
| Arsenic | | 2.2 | 0.060 | | mg/kg | SW846 6020B |
| Barium | | 35.6 | 0.60 | | mg/kg | SW846 6020B |
| Cadmium | | 0.041 | 0.030 | | mg/kg | SW846 6020B |
| Copper | | 2.2 | 0.60 | | mg/kg | SW846 6020B |
| Lead | | 3.6 | 0.15 | | mg/kg | SW846 6020B |
| Nickel | | 2.1 | 0.60 | | mg/kg | SW846 6020B |
| Zinc | | 9.4 | 3.0 | | mg/kg | SW846 6020B |
| pH [a] | | 8.10 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 0.30 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| **DA75444-5A** | **AST05@0-6"** | | | | | |
| Calcium [a] | | 34.4 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 12.2 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 6.17 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 0.230 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-5B** | **AST05@0-6"** | | | | | |
| No hits reported in this sample. | | | | | | |

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **DA75444-6** | **SEP01-FL@3'** | | | | | |
| TPH-DRO (C10-C28) | | 14.9 | 4.3 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 14.9 | 6.5 | | mg/kg | SW846-8015C |
| Arsenic | | 2.8 | 0.065 | | mg/kg | SW846 6020B |
| Barium | | 44.7 | 0.65 | | mg/kg | SW846 6020B |
| Cadmium | | 0.090 | 0.032 | | mg/kg | SW846 6020B |
| Copper | | 3.5 | 0.65 | | mg/kg | SW846 6020B |
| Lead | | 5.8 | 0.16 | | mg/kg | SW846 6020B |
| Nickel | | 2.9 | 0.65 | | mg/kg | SW846 6020B |
| Zinc | | 12.9 | 3.2 | | mg/kg | SW846 6020B |
| pH [a] | | 9.22 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 0.63 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| **DA75444-6A** | **SEP01-FL@3'** | | | | | |
| Calcium [a] | | 69.3 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 12.7 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 18.9 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 0.547 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-6B** | **SEP01-FL@3'** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-7** | **SEP02-FL@3'** | | | | | |
| TPH-DRO (C10-C28) | | 25.7 | 4.2 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 32.2 | 6.3 | | mg/kg | SW846-8015C |
| Arsenic | | 2.5 | 0.061 | | mg/kg | SW846 6020B |
| Barium | | 44.7 | 0.61 | | mg/kg | SW846 6020B |
| Cadmium | | 0.16 | 0.031 | | mg/kg | SW846 6020B |
| Copper | | 3.6 | 0.61 | | mg/kg | SW846 6020B |
| Lead | | 5.6 | 0.15 | | mg/kg | SW846 6020B |
| Nickel | | 2.8 | 0.61 | | mg/kg | SW846 6020B |
| Zinc | | 13.9 | 3.1 | | mg/kg | SW846 6020B |
| pH [a] | | 8.33 | | | su | WREP-125,4E-SATPASTE |
| **DA75444-7A** | **SEP02-FL@3'** | | | | | |
| Calcium [a] | | 57.5 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 12.0 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 33.0 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 1.03 | | | ratio | USDA HANDBOOK 60 |

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **DA75444-7B** | **SEP02-FL@3'** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-8** | **SEP03-FL@3'** | | | | | |
| TPH-DRO (C10-C28) | | 15.8 | 4.2 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 16.9 | 6.3 | | mg/kg | SW846-8015C |
| Arsenic | | 3.6 | 0.061 | | mg/kg | SW846 6020B |
| Barium | | 57.9 | 0.61 | | mg/kg | SW846 6020B |
| Cadmium | | 0.083 | 0.031 | | mg/kg | SW846 6020B |
| Copper | | 3.3 | 0.61 | | mg/kg | SW846 6020B |
| Lead | | 5.1 | 0.15 | | mg/kg | SW846 6020B |
| Nickel | | 3.5 | 0.61 | | mg/kg | SW846 6020B |
| Zinc | | 12.2 | 3.1 | | mg/kg | SW846 6020B |
| pH [a] | | 8.25 | | | su | WREP-125,4E-SATPASTE |
| **DA75444-8A** | **SEP03-FL@3'** | | | | | |
| Calcium [a] | | 216 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 36.6 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 11.2 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 0.185 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-8B** | **SEP03-FL@3'** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-9** | **SEP04-FL@3'** | | | | | |
| TPH-DRO (C10-C28) | | 16.4 | 4.3 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 18.9 | 6.5 | | mg/kg | SW846-8015C |
| Arsenic | | 2.7 | 0.076 | | mg/kg | SW846 6020B |
| Barium | | 52.5 | 0.76 | | mg/kg | SW846 6020B |
| Cadmium | | 0.050 | 0.038 | | mg/kg | SW846 6020B |
| Copper | | 2.5 | 0.76 | | mg/kg | SW846 6020B |
| Lead | | 4.3 | 0.19 | | mg/kg | SW846 6020B |
| Nickel | | 2.6 | 0.76 | | mg/kg | SW846 6020B |
| Zinc | | 10.9 | 3.8 | | mg/kg | SW846 6020B |
| pH [a] | | 9.24 | | | su | WREP-125,4E-SATPASTE |
| **DA75444-9A** | **SEP04-FL@3'** | | | | | |
| Calcium [a] | | 290 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 64.6 | 0.50 | | mg/l | SW846 6010C |

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Sodium [a] | | 195 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 2.69 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-9B** | **SEP04-FL@3'** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-10** | **PWV01-B@4'** | | | | | |
| TPH-DRO (C10-C28) | | 46.1 | 4.6 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 53.1 | 6.9 | | mg/kg | SW846-8015C |
| Arsenic | | 2.9 | 0.082 | | mg/kg | SW846 6020B |
| Barium | | 34.2 | 0.82 | | mg/kg | SW846 6020B |
| Cadmium | | 0.069 | 0.041 | | mg/kg | SW846 6020B |
| Copper | | 2.7 | 0.82 | | mg/kg | SW846 6020B |
| Lead | | 3.8 | 0.20 | | mg/kg | SW846 6020B |
| Nickel | | 2.7 | 0.82 | | mg/kg | SW846 6020B |
| Zinc | | 11.8 | 4.1 | | mg/kg | SW846 6020B |
| pH [a] | | 9.25 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 0.21 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| **DA75444-10A** | **PWV01-B@4'** | | | | | |
| Calcium [a] | | 44.5 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 7.76 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 24.0 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 0.872 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-10B** | **PWV01-B@4'** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-11** | **PWV01-N@2'** | | | | | |
| 1-Methylnaphthalene | | 0.0091 | 0.0044 | | mg/kg | SW846 8270E |
| 2-Methylnaphthalene | | 0.0139 | 0.0044 | | mg/kg | SW846 8270E |
| TPH-DRO (C10-C28) | | 36.9 | 4.5 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 30.2 | 6.7 | | mg/kg | SW846-8015C |
| Arsenic | | 3.0 | 0.060 | | mg/kg | SW846 6020B |
| Barium | | 30.4 | 0.60 | | mg/kg | SW846 6020B |
| Cadmium | | 0.072 | 0.030 | | mg/kg | SW846 6020B |
| Copper | | 2.8 | 0.60 | | mg/kg | SW846 6020B |
| Lead | | 3.9 | 0.15 | | mg/kg | SW846 6020B |
| Nickel | | 2.6 | 0.60 | | mg/kg | SW846 6020B |
| Zinc | | 11.2 | 3.0 | | mg/kg | SW846 6020B |

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| pH [a] | | 9.02 | | | su | WREP-125,4E-SATPASTE |
| **DA75444-11A** | **PWV01-N@2'** | | | | | |
| Calcium [a] | | 70.7 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 13.8 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 5.00 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 0.142 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-11B** | **PWV01-N@2'** | | | | | |
| No hits reported in this sample. | | | | | | |
| **DA75444-12** | **PWV01-W@2'** | | | | | |
| 1-Methylnaphthalene | | 0.0134 | 0.0044 | | mg/kg | SW846 8270E |
| 2-Methylnaphthalene | | 0.0168 | 0.0044 | | mg/kg | SW846 8270E |
| TPH-DRO (C10-C28) | | 19.7 | 4.5 | | mg/kg | SW846-8015C |
| TPH-ORO (> C28-C36) | | 14.1 | 6.7 | | mg/kg | SW846-8015C |
| Arsenic | | 2.5 | 0.068 | | mg/kg | SW846 6020B |
| Barium | | 36.2 | 0.68 | | mg/kg | SW846 6020B |
| Cadmium | | 0.057 | 0.034 | | mg/kg | SW846 6020B |
| Copper | | 2.6 | 0.68 | | mg/kg | SW846 6020B |
| Lead | | 3.7 | 0.17 | | mg/kg | SW846 6020B |
| Nickel | | 2.5 | 0.68 | | mg/kg | SW846 6020B |
| Zinc | | 11.2 | 3.4 | | mg/kg | SW846 6020B |
| pH [a] | | 8.33 | | | su | WREP-125,4E-SATPASTE |
| Specific Conductivity [a] | | 0.32 | 0.010 | | mmhos/cm | SM 2510B-2011 MOD |
| **DA75444-12A** | **PWV01-W@2'** | | | | | |
| Calcium [a] | | 64.2 | 0.50 | | mg/l | SW846 6010C |
| Magnesium [a] | | 12.3 | 0.50 | | mg/l | SW846 6010C |
| Sodium [a] | | 7.42 | 2.5 | | mg/l | SW846 6010C |
| Sodium Adsorption Ratio [d] | | 0.222 | | | ratio | USDA HANDBOOK 60 |
| **DA75444-12B** | **PWV01-W@2'** | | | | | |
| No hits reported in this sample. | | | | | | |

(a) Analysis performed at SGS Scott, LA.
(b) Sample analyzed beyond hold time due for compound(s) over calibration range. Analysis performed at SGS Scott, LA.
(c) Elevated reporting limits due to dilution and matrix interference.
(d) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

# Summary of Hits

**Job Number:** DA75444
**Account:** Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53
**Collected:** 09/18/25

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

(e) Dilution required due to matrix interference; High concentration of TPH detected.
(f) Analysis performed at SGS Dayton, NJ.

## Sample Results

Report of Analysis

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1X101340924.D | 1 | 10/03/25 14:28 | ALA | n/a | n/a | L:V1X7383 |
| Run #2 [b] | 1X101340896.D | 1 | 10/02/25 19:41 | ALA | n/a | n/a | L:V1X7381 |

| | Initial Weight | Final Volume | Methanol Aliquot |
|---|---|---|---|
| Run #1 | 5.1 g | 5.0 ml | 25.0 ul |
| Run #2 | 5.1 g | 5.0 ml | 100 ul |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | 0.120 [c] | 0.027 | mg/kg | |
| 100-41-4 | Ethylbenzene | 6.61 [c] | 0.054 | mg/kg | |
| 108-88-3 | Toluene | 10.3 [c] | 0.27 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 28.6 | 1.1 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 7.99 [c] | 0.27 | mg/kg | |
| | m,p-Xylene | 33.9 | 0.43 | mg/kg | |
| 95-47-6 | o-Xylene | 17.7 | 0.22 | mg/kg | |
| 1330-20-7 | Xylene (total) | 51.6 | 0.43 | mg/kg | |
| | TPH-GRO (C6-C10) | 1310 | 43 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 88% | 84% | 59-143% |
| 2037-26-5 | Toluene-D8 | 102% | 99% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | 112% | 38-183% |

(a) Sample analyzed beyond hold time due for compound(s) over calibration range. Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Scott, LA.
(c) Result is from Run# 2

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:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 6G21379.D | 1 | 09/26/25 11:52 | TH | 09/25/25 12:00 | OP28688 | E6G803 |
| Run #2 | 3G60861.D | 50 | 10/03/25 18:45 | TH | 09/25/25 12:00 | OP28688 | E3G2925 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | 5.2 g | 10.0 ml |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0040 | 0.0040 | mg/kg | |
| 120-12-7 | Anthracene | < 0.20 [a] | 0.20 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0050 | 0.0050 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0040 | 0.0040 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0040 | 0.0040 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0040 | 0.0040 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0040 | 0.0040 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0040 | 0.0040 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.20 [a] | 0.20 | mg/kg | |
| 86-73-7 | Fluorene [b] | 3.12 [a] | 0.20 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0040 | 0.0040 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | 21.1 [a] | 0.20 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | 35.6 [a] | 0.20 | mg/kg | |
| 91-20-3 | Naphthalene | 9.99 [a] | 0.10 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0040 | 0.0040 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 133% | 144% [c] | 22-138% |
| 4165-60-0 | Nitrobenzene-d5 | 567% [d] | 790% [c] | 32-143% |
| 1718-51-0 | Terphenyl-d14 | 96% | 504% [c] | 48-149% |

(a) Result is from Run# 2
(b) Elevated reporting limits due to dilution and matrix interference.
(c) Outside control limits due to dilution.
(d) Outside control limits due to matrix interference.

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:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95168.D | 10 | 09/30/25 16:50 | ZM | 09/23/25 10:30 | OP28680 | GFN514 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 10800 | 41 | mg/kg | |
| | TPH-ORO (> C28-C36) | 4110 | 61 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 127% | | 20-142% |

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:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.4 | 0.068 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 58.6 | 0.68 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.074 | 0.034 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 3.1 | 0.68 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 4.8 | 0.17 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.7 | 0.68 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.14 | 0.14 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.10 | 0.10 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 12.0 | 3.4 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 95.3 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 7.71 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 1.6 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.42 | 0.42 | mg/kg | 1 | 10/17/25 12:29 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 294 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 70.4 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 30.4 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 0.413 | | ratio | 1 | 10/02/25 15:58 | ALA | 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:** | AST01@0-6" | | |
| **Lab Sample ID:** | DA75444-1B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.3 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1X101340884.D | 1 | 10/02/25 16:22 | ALA | n/a | n/a | L:V1X7381 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|---|---|---|---|
| Run #1 | 5.1 g | 5.0 ml | 10.0 ul |
| Run #2 | | | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | 2.79 | 0.28 | mg/kg | |
| 100-41-4 | Ethylbenzene | 31.7 | 0.55 | mg/kg | |
| 108-88-3 | Toluene | 68.3 | 2.8 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 108 | 2.8 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 34.2 | 2.8 | mg/kg | |
| | m,p-Xylene | 139 | 1.1 | mg/kg | |
| 95-47-6 | o-Xylene | 74.9 | 0.55 | mg/kg | |
| 1330-20-7 | Xylene (total) | 214 | 1.1 | mg/kg | |
| | TPH-GRO (C6-C10) | 4520 | 110 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 97% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 98% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 111% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 3G60572.D | 1 | 09/26/25 10:02 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 [b] | 6G21545.D | 10000 | 09/30/25 18:24 | ZL | 09/25/25 12:00 | OP28689 | E6G809 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | 5.2 g | 10.0 ml |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 41 [c] | 41 | mg/kg | |
| 120-12-7 | Anthracene | < 41 [c] | 41 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | 146 [c] | 51 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 41 [c] | 41 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 41 [c] | 41 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 41 [c] | 41 | mg/kg | |
| 218-01-9 | Chrysene | 60.0 [c] | 41 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 41 [c] | 41 | mg/kg | |
| 206-44-0 | Fluoranthene | 69.4 [c] | 41 | mg/kg | |
| 86-73-7 | Fluorene | 832 [c] | 41 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 41 [c] | 41 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | 2960 [c] | 41 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | 4430 [c] | 41 | mg/kg | |
| 91-20-3 | Naphthalene | 519 [c] | 20 | mg/kg | |
| 129-00-0 | Pyrene | 49.5 [c] | 41 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 489% [e] | 11457% [d] | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 1550% [e] | 34726% [d] | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 84% | 65500% [d] | 10-130% |

(a) Confirmation run.
(b) Dilution required due to matrix interference; High concentration of TPH detected.
(c) Result is from Run# 2
(d) Outside control limits due to dilution.
(e) Outside control limits due to matrix interference.

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:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95169.D | 100 | 09/30/25 17:04 | ZM | 09/23/25 10:30 | OP28680 | GFN514 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.0 g | 10.0 ml |
| Run #2 | | |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 26800 | 420 | mg/kg | |
| | TPH-ORO (> C28-C36) | 12100 | 640 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 119% | | 20-142% |

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:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.3 | 0.061 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 39.4 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.083 | 0.030 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 6.3 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 4.8 | 0.15 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 6.8 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.12 | 0.12 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.099 | 0.099 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 17.7 | 3.0 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 93.9 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 8.82 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 0.90 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.44 | 0.44 | mg/kg | 1 | 10/17/25 12:45 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 116 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 29.3 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 53.4 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 1.15 | | ratio | 1 | 10/02/25 16:02 | ALA | 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:** | AST02@0-6" | | |
| **Lab Sample ID:** | DA75444-2B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 93.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1X101340894.D | 1 | 10/02/25 19:08 | ALA | n/a | n/a | L:V1X7381 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume | Methanol Aliquot |
|---|---|---|---|
| Run #1 | 4.8 g | 5.0 ml | 100 ul |
| Run #2 | | | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.028 | 0.028 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.056 | 0.056 | mg/kg | |
| 108-88-3 | Toluene | < 0.28 | 0.28 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.28 | 0.28 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.28 | 0.28 | mg/kg | |
| | m,p-Xylene | 0.154 | 0.11 | mg/kg | |
| 95-47-6 | o-Xylene | 0.0706 | 0.056 | mg/kg | |
| 1330-20-7 | Xylene (total) | 0.224 | 0.11 | mg/kg | |
| | TPH-GRO (C6-C10) | 40.7 | 11 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 85% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60573.D | 1 | 09/26/25 10:24 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | 6G21535.D | 5 | 09/30/25 15:06 | ZL | 09/25/25 12:00 | OP28689 | E6G809 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.1 g | 10.0 ml |
| Run #2 | 5.1 g | 10.0 ml |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0041 | 0.0041 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0041 | 0.0041 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0051 | 0.0051 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0041 | 0.0041 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0041 | 0.0041 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | 0.0962 | 0.0041 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0041 | 0.0041 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0041 | 0.0041 | mg/kg | |
| 206-44-0 | Fluoranthene | 0.0648 | 0.0041 | mg/kg | |
| 86-73-7 | Fluorene | 1.04 | 0.0041 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0041 | 0.0041 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | 6.92 [a] | 0.020 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | 7.65 [a] | 0.020 | mg/kg | |
| 91-20-3 | Naphthalene | 0.638 | 0.0020 | mg/kg | |
| 129-00-0 | Pyrene | 0.0672 | 0.0041 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 64% | 77% | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 89% | 66% | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 96% | 110% | 10-130% |

(a) Result is from Run# 2

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:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95170.D | 10 | 09/30/25 17:18 | ZM | 09/23/25 10:30 | OP28680 | GFN514 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 7200 | 40 | mg/kg | |
| | TPH-ORO (> C28-C36) | 3920 | 60 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 126% | | 20-142% |

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:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 1.8 | 0.087 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 30.7 | 0.87 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.049 | 0.043 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 5.6 | 0.87 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 4.3 | 0.22 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 3.0 | 0.87 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.17 | 0.17 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.098 | 0.098 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 16.5 | 4.3 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 95.9 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 7.62 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 1.2 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.40 | 0.40 | mg/kg | 1 | 10/17/25 13:01 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 69.2 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 51.3 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 114 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 2.53 | | ratio | 1 | 10/02/25 16:06 | ALA | 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:** | AST03@0-6" | | |
| **Lab Sample ID:** | DA75444-3B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 95.9 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122159.D | 1 | 10/02/25 07:44 | ALA | n/a | n/a | L:V1I4557 |
| Run #2 [a] | 1X101340898.D | 1 | 10/02/25 20:14 | ALA | n/a | n/a | L:V1X7381 |

| | Initial Weight | Final Volume | Methanol Aliquot |
|---|---|---|---|
| Run #1 | 4.8 g | | |
| Run #2 | 5.0 g | 5.0 ml | 100 ul |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00053 | 0.00053 | mg/kg | |
| 100-41-4 | Ethylbenzene | 0.0109 | 0.0011 | mg/kg | |
| 108-88-3 | Toluene | < 0.0053 | 0.0053 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0594 | 0.0053 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.809 [b] | 0.26 | mg/kg | |
| | m,p-Xylene | 0.0153 | 0.0021 | mg/kg | |
| 95-47-6 | o-Xylene | 0.0656 | 0.0011 | mg/kg | |
| 1330-20-7 | Xylene (total) | 0.0809 | 0.0021 | mg/kg | |
| | TPH-GRO (C6-C10) | 81.8 [b] | 10 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 115% | 84% | 59-143% |
| 2037-26-5 | Toluene-D8 | 89% | 103% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 227% [c] | 100% | 38-183% |

(a) Analysis performed at SGS Scott, LA.
(b) Result is from Run# 2
(c) Outside control limits due to matrix interference. Confirmed by reanalysis as a dilution.

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:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60555.D | 1 | 09/26/25 03:50 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0039 | 0.0039 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0039 | 0.0039 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0049 | 0.0049 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0039 | 0.0039 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0039 | 0.0039 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0039 | 0.0039 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0039 | 0.0039 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0039 | 0.0039 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0039 | 0.0039 | mg/kg | |
| 86-73-7 | Fluorene | 0.0291 | 0.0039 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0039 | 0.0039 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | 0.0449 | 0.0039 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | 0.0642 | 0.0039 | mg/kg | |
| 91-20-3 | Naphthalene | 0.0047 | 0.0020 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0039 | 0.0039 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 75% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 83% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 97% | | 10-130% |

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:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95332.D | 1 | 10/02/25 09:24 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN94999.D | 1 | 09/26/25 16:22 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.0 g | 10.0 ml |
| Run #2 | 5.0 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 122 | 4.0 | mg/kg | |
| | TPH-ORO (> C28-C36) | 127 | 6.1 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 132% | 111% | 20-142% |

(a) Confirmation run.

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:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 1.2 | 0.080 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 22.0 | 0.80 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.048 | 0.040 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 3.0 | 0.80 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 2.7 | 0.20 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.2 | 0.80 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | 0.17 | 0.16 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.099 | 0.099 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 9.3 | 4.0 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

SGS North America Inc.

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 98 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 7.79 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 1.8 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | 0.82 | 0.42 | mg/kg | 1 | 10/17/25 13:08 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 88.5 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 19.3 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 282 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 7.07 | | ratio | 1 | 10/02/25 16:11 | ALA | 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:** | AST04@0-6" | | |
| **Lab Sample ID:** | DA75444-4B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 98.0 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122160.D | 1 | 10/02/25 08:06 | ALA | n/a | n/a | L:V1I4557 |
| Run #2 [b] | 2K19959.D | 1 | 10/03/25 07:29 | ALA | n/a | n/a | L:V2K4643 |

| | Initial Weight |
|---|---|
| Run #1 | 5.1 g |
| Run #2 | 5.0 g |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00053 | 0.00053 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.0011 | 0.0011 | mg/kg | |
| 108-88-3 | Toluene | < 0.0053 | 0.0053 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0053 | 0.0053 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0053 | 0.0053 | mg/kg | |
| | m,p-Xylene | < 0.0022 [c] | 0.0022 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.0011 [c] | 0.0011 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0022 [c] | 0.0022 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.21 | 0.21 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 109% | 132% | 59-143% |
| 2037-26-5 | Toluene-D8 | 99% | 99% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 103% | 38-183% |

(a) Analysis performed at SGS Scott, LA.
(b) Sample analyzed beyond hold time due to analyte carryover in prior analysis within hold. Analysis performed at SGS Scott, LA.
(c) Result is from Run# 2

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:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60556.D | 1 | 09/26/25 04:12 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0042 | 0.0042 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0052 | 0.0052 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0042 | 0.0042 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0042 | 0.0042 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0021 | 0.0021 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0042 | 0.0042 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 83% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 91% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 96% | | 10-130% |

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:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95333.D | 1 | 10/02/25 09:38 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95000.D | 1 | 09/26/25 16:36 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.0 g | 10.0 ml |
| Run #2 | 5.0 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 14.0 | 4.3 | mg/kg | |
| | TPH-ORO (> C28-C36) | < 6.5 | 6.5 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 121% | 103% | 20-142% |

(a) Confirmation run.

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:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.2 | 0.060 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 35.6 | 0.60 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.041 | 0.030 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 2.2 | 0.60 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 3.6 | 0.15 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.1 | 0.60 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.12 | 0.12 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.10 | 0.10 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 9.4 | 3.0 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

SGS North America Inc.

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 91.8 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 8.10 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 0.30 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.44 | 0.44 | mg/kg | 1 | 10/17/25 13:24 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

SGS North America Inc.

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 34.4 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 12.2 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 6.17 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 0.230 | | ratio | 1 | 10/02/25 16:15 | ALA | 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:** | AST05@0-6" | | |
| **Lab Sample ID:** | DA75444-5B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122161.D | 1 | 10/02/25 08:29 | ALA | n/a | n/a | L:V1I4557 |
| Run #2 [b] | 2K19960.D | 1 | 10/03/25 07:53 | ALA | n/a | n/a | L:V2K4643 |

| | Initial Weight |
|---|---|
| Run #1 | 4.7 g |
| Run #2 | 5.2 g |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00057 | 0.00057 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.0011 | 0.0011 | mg/kg | |
| 108-88-3 | Toluene | < 0.0057 | 0.0057 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0057 | 0.0057 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0057 | 0.0057 | mg/kg | |
| | m,p-Xylene | < 0.0023 | 0.0023 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.0011 | 0.0011 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0021 [c] | 0.0021 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.23 | 0.23 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 156% | 130% | 59-143% |
| 2037-26-5 | Toluene-D8 | 103% | 98% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 102% | 38-183% |

(a) Analysis performed at SGS Scott, LA.
(b) Sample analyzed beyond hold time due to analyte carryover in prior analysis within hold. Analysis performed at SGS Scott, LA.
(c) Result is from Run# 2

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:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60557.D | 1 | 09/26/25 04:34 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.1 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0042 | 0.0042 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0053 | 0.0053 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0042 | 0.0042 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0042 | 0.0042 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0021 | 0.0021 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0042 | 0.0042 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 80% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 85% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 90% | | 10-130% |

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:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95334.D | 1 | 10/02/25 09:52 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95001.D | 1 | 09/26/25 16:50 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.0 g | 10.0 ml |
| Run #2 | 5.0 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 14.9 | 4.3 | mg/kg | |
| | TPH-ORO (> C28-C36) | 14.9 | 6.5 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 123% | 102% | 20-142% |

(a) Confirmation run.

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:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.8 | 0.065 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 44.7 | 0.65 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.090 | 0.032 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 3.5 | 0.65 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 5.8 | 0.16 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.9 | 0.65 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.13 | 0.13 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.11 | 0.11 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 12.9 | 3.2 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 92.7 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 9.22 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 0.63 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.45 | 0.45 | mg/kg | 1 | 10/17/25 13:40 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 69.3 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 12.7 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 18.9 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 0.547 | | ratio | 1 | 10/02/25 16:19 | ALA | 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:** | SEP01-FL@3' | | |
| **Lab Sample ID:** | DA75444-6B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.7 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122162.D | 1 | 10/02/25 08:52 | ALA | n/a | n/a | L:V1I4557 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 5.3 g |
| Run #2 | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00050 | 0.00050 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.0010 | 0.0010 | mg/kg | |
| 108-88-3 | Toluene | < 0.0050 | 0.0050 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0050 | 0.0050 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0050 | 0.0050 | mg/kg | |
| | m,p-Xylene | < 0.0020 | 0.0020 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.0010 | 0.0010 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0020 | 0.0020 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.20 | 0.20 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 111% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 101% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60558.D | 1 | 09/26/25 04:56 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0041 | 0.0041 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0041 | 0.0041 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0051 | 0.0051 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0041 | 0.0041 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0041 | 0.0041 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0041 | 0.0041 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0041 | 0.0041 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0041 | 0.0041 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0041 | 0.0041 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0041 | 0.0041 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0041 | 0.0041 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | < 0.0041 | 0.0041 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | < 0.0041 | 0.0041 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0020 | 0.0020 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0041 | 0.0041 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 71% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 79% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 86% | | 10-130% |

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:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95335.D | 1 | 10/02/25 10:06 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95002.D | 1 | 09/26/25 17:03 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.0 g | 10.0 ml |
| Run #2 | 5.0 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 25.7 | 4.2 | mg/kg | |
| | TPH-ORO (> C28-C36) | 32.2 | 6.3 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 146% [b] | 117% | 20-142% |

(a) Confirmation run.
(b) Outside control limits biased high. Sample detections are greater than 5x the RL.

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:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.5 | 0.061 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 44.7 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.16 | 0.031 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 3.6 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 5.6 | 0.15 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.8 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.12 | 0.12 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.10 | 0.10 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 13.9 | 3.1 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 94.2 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 8.33 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | < 0.010 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.43 | 0.43 | mg/kg | 1 | 10/17/25 14:04 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 57.5 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 12.0 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 33.0 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 1.03 | | ratio | 1 | 10/02/25 16:31 | ALA | 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:** | SEP02-FL@3' | | |
| **Lab Sample ID:** | DA75444-7B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 94.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122163.D | 1 | 10/02/25 09:15 | ALA | n/a | n/a | L:V1I4557 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 5.4 g |
| Run #2 | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00051 | 0.00051 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.0010 | 0.0010 | mg/kg | |
| 108-88-3 | Toluene | < 0.0051 | 0.0051 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0051 | 0.0051 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0051 | 0.0051 | mg/kg | |
| | m,p-Xylene | < 0.0020 | 0.0020 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.0010 | 0.0010 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0020 | 0.0020 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.20 | 0.20 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 112% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60559.D | 1 | 09/26/25 05:18 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0042 | 0.0042 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0053 | 0.0053 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0042 | 0.0042 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0042 | 0.0042 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0021 | 0.0021 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0042 | 0.0042 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 86% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 89% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 96% | | 10-130% |

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:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95336.D | 1 | 10/02/25 10:20 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95003.D | 1 | 09/26/25 17:17 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | 5.2 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 15.8 | 4.2 | mg/kg | |
| | TPH-ORO (> C28-C36) | 16.9 | 6.3 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 122% | 104% | 20-142% |

(a) Confirmation run.

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:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 3.6 | 0.061 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 57.9 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.083 | 0.031 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 3.3 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 5.1 | 0.15 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 3.5 | 0.61 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.12 | 0.12 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.11 | 0.11 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 12.2 | 3.1 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 91.5 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 8.25 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | < 0.010 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.42 | 0.42 | mg/kg | 1 | 10/17/25 14:20 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 216 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 36.6 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 11.2 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 0.185 | | ratio | 1 | 10/02/25 16:36 | ALA | 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:** | SEP03-FL@3' | | |
| **Lab Sample ID:** | DA75444-8B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 91.5 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122164.D | 1 | 10/02/25 09:37 | ALA | n/a | n/a | L:V1I4557 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 5.5 g |
| Run #2 | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00049 | 0.00049 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.00099 | 0.00099 | mg/kg | |
| 108-88-3 | Toluene | < 0.0049 | 0.0049 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0049 | 0.0049 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0049 | 0.0049 | mg/kg | |
| | m,p-Xylene | < 0.0020 | 0.0020 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.00099 | 0.00099 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0020 | 0.0020 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.20 | 0.20 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 112% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60560.D | 1 | 09/26/25 05:40 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0042 | 0.0042 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0052 | 0.0052 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0042 | 0.0042 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0042 | 0.0042 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0042 | 0.0042 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0042 | 0.0042 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0042 | 0.0042 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | < 0.0042 | 0.0042 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0021 | 0.0021 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0042 | 0.0042 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 94% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 97% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 99% | | 10-130% |

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:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95337.D | 1 | 10/02/25 10:33 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95004.D | 1 | 09/26/25 17:31 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.0 g | 10.0 ml |
| Run #2 | 5.0 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 16.4 | 4.3 | mg/kg | |
| | TPH-ORO (> C28-C36) | 18.9 | 6.5 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 107% | 94% | 20-142% |

(a) Confirmation run.

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:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.7 | 0.076 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 52.5 | 0.76 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.050 | 0.038 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 2.5 | 0.76 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 4.3 | 0.19 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.6 | 0.76 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.15 | 0.15 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.10 | 0.10 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 10.9 | 3.8 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 92.1 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 9.24 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | < 0.010 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.44 | 0.44 | mg/kg | 1 | 10/17/25 14:36 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 290 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 64.6 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 195 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 2.69 | | ratio | 1 | 10/02/25 16:40 | ALA | 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:** | SEP04-FL@3' | | |
| **Lab Sample ID:** | DA75444-9B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 92.1 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122187.D | 1 | 10/02/25 18:18 | ALA | n/a | n/a | L:V1I4558 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.9 g |
| Run #2 | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00061 | 0.00061 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.0012 | 0.0012 | mg/kg | |
| 108-88-3 | Toluene | < 0.0061 | 0.0061 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0061 | 0.0061 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0061 | 0.0061 | mg/kg | |
| | m,p-Xylene | < 0.0025 | 0.0025 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.0012 | 0.0012 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0025 | 0.0025 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.25 | 0.25 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 117% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60561.D | 1 | 09/26/25 06:01 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.1 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0047 | 0.0047 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0047 | 0.0047 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0059 | 0.0059 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0047 | 0.0047 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0047 | 0.0047 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0047 | 0.0047 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0047 | 0.0047 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0047 | 0.0047 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0047 | 0.0047 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0047 | 0.0047 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0047 | 0.0047 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | < 0.0047 | 0.0047 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | < 0.0047 | 0.0047 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0024 | 0.0024 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0047 | 0.0047 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 87% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 89% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 98% | | 10-130% |

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:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95338.D | 1 | 10/02/25 10:47 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95005.D | 1 | 09/26/25 17:45 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | 5.2 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 46.1 | 4.6 | mg/kg | |
| | TPH-ORO (> C28-C36) | 53.1 | 6.9 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 133% | 110% | 20-142% |

(a) Confirmation run.

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:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.9 | 0.082 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 34.2 | 0.82 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.069 | 0.041 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 2.7 | 0.82 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 3.8 | 0.20 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.7 | 0.82 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.16 | 0.16 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.11 | 0.11 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 11.8 | 4.1 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 83.2 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 9.25 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 0.21 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.47 | 0.47 | mg/kg | 1 | 10/17/25 14:51 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 44.5 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 7.76 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 24.0 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 0.872 | | ratio | 1 | 10/02/25 15:50 | ALA | 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:** | PWV01-B@4' | | |
| **Lab Sample ID:** | DA75444-10B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 83.2 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122188.D | 1 | 10/02/25 18:40 | ALA | n/a | n/a | L:V1I4558 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 4.8 g |
| Run #2 | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00059 | 0.00059 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.0012 | 0.0012 | mg/kg | |
| 108-88-3 | Toluene | < 0.0059 | 0.0059 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0059 | 0.0059 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0059 | 0.0059 | mg/kg | |
| | m,p-Xylene | < 0.0023 | 0.0023 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.0012 | 0.0012 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0023 | 0.0023 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.23 | 0.23 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 119% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 101% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60562.D | 1 | 09/26/25 06:23 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.1 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0044 | 0.0044 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0044 | 0.0044 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0055 | 0.0055 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0044 | 0.0044 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0044 | 0.0044 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0044 | 0.0044 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0044 | 0.0044 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0044 | 0.0044 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0044 | 0.0044 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0044 | 0.0044 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0044 | 0.0044 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | 0.0091 | 0.0044 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | 0.0139 | 0.0044 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0022 | 0.0022 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0044 | 0.0044 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 106% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 113% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 119% | | 10-130% |

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:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95339.D | 1 | 10/02/25 11:01 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95006.D | 1 | 09/26/25 17:58 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.0 g | 10.0 ml |
| Run #2 | 5.0 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 36.9 | 4.5 | mg/kg | |
| | TPH-ORO (> C28-C36) | 30.2 | 6.7 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 125% | 107% | 20-142% |

(a) Confirmation run.

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:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 3.0 | 0.060 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 30.4 | 0.60 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.072 | 0.030 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 2.8 | 0.60 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 3.9 | 0.15 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.6 | 0.60 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.12 | 0.12 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.11 | 0.11 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 11.2 | 3.0 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 88.8 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 9.02 | | su | 1 | 09/29/25 10:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | < 0.010 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.45 | 0.45 | mg/kg | 1 | 10/17/25 15:23 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 70.7 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 13.8 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 5.00 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 0.142 | | ratio | 1 | 10/02/25 16:44 | ALA | 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:** | PWV01-N@2' | | |
| **Lab Sample ID:** | DA75444-11B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 88.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8260D | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 [a] | 1I122189.D | 1 | 10/02/25 19:03 | ALA | n/a | n/a | L:V1I4558 |
| Run #2 | | | | | | | |

| | Initial Weight |
|---|---|
| Run #1 | 5.1 g |
| Run #2 | |

**VOA COGCC Table 915 soil list**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | < 0.00056 | 0.00056 | mg/kg | |
| 100-41-4 | Ethylbenzene | < 0.0011 | 0.0011 | mg/kg | |
| 108-88-3 | Toluene | < 0.0056 | 0.0056 | mg/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 0.0056 | 0.0056 | mg/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 0.0056 | 0.0056 | mg/kg | |
| | m,p-Xylene | < 0.0023 | 0.0023 | mg/kg | |
| 95-47-6 | o-Xylene | < 0.0011 | 0.0011 | mg/kg | |
| 1330-20-7 | Xylene (total) | < 0.0023 | 0.0023 | mg/kg | |
| | TPH-GRO (C6-C10) | < 0.23 | 0.23 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 117% | | 59-143% |
| 2037-26-5 | Toluene-D8 | 101% | | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | | 38-183% |

(a) Analysis performed at SGS Scott, LA.

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:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846 8270E SW846 3570 | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 3G60563.D | 1 | 09/26/25 06:45 | TH | 09/25/25 12:00 | OP28689 | E3G2914 |
| Run #2 | | | | | | | |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | | |

**COGCC Table 915-1 PAH List**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | < 0.0044 | 0.0044 | mg/kg | |
| 120-12-7 | Anthracene | < 0.0044 | 0.0044 | mg/kg | |
| 56-55-3 | Benzo(a)anthracene | < 0.0055 | 0.0055 | mg/kg | |
| 205-99-2 | Benzo(b)fluoranthene | < 0.0044 | 0.0044 | mg/kg | |
| 207-08-9 | Benzo(k)fluoranthene | < 0.0044 | 0.0044 | mg/kg | |
| 50-32-8 | Benzo(a)pyrene | < 0.0044 | 0.0044 | mg/kg | |
| 218-01-9 | Chrysene | < 0.0044 | 0.0044 | mg/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | < 0.0044 | 0.0044 | mg/kg | |
| 206-44-0 | Fluoranthene | < 0.0044 | 0.0044 | mg/kg | |
| 86-73-7 | Fluorene | < 0.0044 | 0.0044 | mg/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 0.0044 | 0.0044 | mg/kg | |
| 90-12-0 | 1-Methylnaphthalene | 0.0134 | 0.0044 | mg/kg | |
| 91-57-6 | 2-Methylnaphthalene | 0.0168 | 0.0044 | mg/kg | |
| 91-20-3 | Naphthalene | < 0.0022 | 0.0022 | mg/kg | |
| 129-00-0 | Pyrene | < 0.0044 | 0.0044 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 84% | | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 89% | | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 91% | | 10-130% |

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:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| **Method:** | SW846-8015C SW846 3570 | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | FN95340.D | 1 | 10/02/25 11:14 | ZM | 09/23/25 10:30 | OP28680 | GFN518 |
| Run #2 [a] | FN95007.D | 1 | 09/26/25 18:12 | JB | 09/23/25 10:30 | OP28680 | GFN510 |

| | Initial Weight | Final Volume |
|---|---|---|
| Run #1 | 5.2 g | 10.0 ml |
| Run #2 | 5.2 g | 10.0 ml |

**DRO C10-C28, ORO > C28-C36**

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 19.7 | 4.5 | mg/kg | |
| | TPH-ORO (> C28-C36) | 14.1 | 6.7 | mg/kg | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 109% | 95% | 20-142% |

(a) Confirmation run.

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

SGS North America Inc.

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | 2.5 | 0.068 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Barium | 36.2 | 0.68 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Cadmium | 0.057 | 0.034 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Copper | 2.6 | 0.68 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Lead | 3.7 | 0.17 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Nickel | 2.5 | 0.68 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Selenium | < 0.14 | 0.14 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |
| Silver | < 0.11 | 0.11 | mg/kg | 10 | 09/24/25 | 10/03/25 | CDL | SW846 6020B [2] | SW846 3050B [4] |
| Zinc | 11.2 | 3.4 | mg/kg | 5 | 09/22/25 | 09/24/25 | GS | SW846 6020B [1] | SW846 3050B [3] |

(1) Instrument QC Batch: MA19654
(2) Instrument QC Batch: MA19691
(3) Prep QC Batch: MP43088
(4) Prep QC Batch: MP43179

RL = Reporting Limit

SGS North America Inc.

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12 | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| **%solids** | | | | | | | |
| Solids, Percent | 86.8 | | % | 1 | 09/22/25 | JL | SM2540G-2011 M |
| **pH-saturated paste method** | | | | | | | |
| pH [a] | 8.33 | | su | 1 | 09/29/25 11:00 | ALA | WREP-125,4E-SATPASTE |
| **prep: DEPT.OF AG, BOOK N9** | | | | | | | |
| Specific Conductivity [a] | 0.32 | 0.010 | mmhos/cm | 1 | 10/03/25 17:22 | ALA | SM 2510B-2011 MOD |
| Chromium, Hexavalent [b] | < 0.46 | 0.46 | mg/kg | 1 | 10/17/25 15:31 | ANJ | SW846 3060A/7199 |

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**SAR Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Calcium [a] | 64.2 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Magnesium [a] | 12.3 | 0.50 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |
| Sodium [a] | 7.42 | 2.5 | mg/l | 5 | 09/29/25 | 10/02/25 | ALA | SW846 6010C [1] | USDA HANDBOOK 60 [2] |

(1) Instrument QC Batch: L:MA30816
(2) Prep QC Batch: L:MP31721

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

# Report of Analysis



| | | | |
|---|---|---|---|
| **Client Sample ID:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12A | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|---|---|---|---|---|---|---|---|
| Sodium Adsorption Ratio [a] | 0.222 | | ratio | 1 | 10/02/25 16:48 | ALA | 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:** | PWV01-W@2' | | |
| **Lab Sample ID:** | DA75444-12B | **Date Sampled:** | 09/18/25 |
| **Matrix:** | SO - Soil | **Date Received:** | 09/18/25 |
| | | **Percent Solids:** | 86.8 |
| **Project:** | TASMCOA:Cache 8-13,24,34,Cornish 8-53 | | |

**Hot Water Soluble Boron Metals Analysis**

| Analyte | Result | RL | Units | DF | Prep | Analyzed | By | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|---|
| Boron | < 0.50 | 0.50 | mg/l | 1 | 09/23/25 | 09/24/25 | BR | SW846 6010C [1] | HWS-B [2] |

(1) Instrument QC Batch: MA19658
(2) Prep QC Batch: MP43087

RL = Reporting Limit

## Misc. Forms

### Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY

**SGS North America Inc. - Wheat Ridge**
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021
www.sgs.com/ehsusa

Page 1 of 2

| Bottle Order Control # | FED-EX Tracking # |
|---|---|
| SGS Quote # | SGS Job # DA 75444 |

| Client / Reporting Information | | Project Information | | Billing Information (if different from Report to) |
|---|---|---|---|---|
| Company: | Tasman | Project Name: | COONE 8-13, 24, 34; Cornish 8-53 tank BATTERY | Company: PDC Energy |
| Street: | 4725 Independence St. | Street: | Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐ | Street Address: |
| City, State ZIP: | Wheat Ridge / CO / 80023 | City, State ZIP: | CO | City, State ZIP: |
| Project Contact: | Bryce Goldade | Project #: | 18772 | |
| Phone: | 8169230761 | Client Purchase Order #: | | |
| Email: | tas-chevron-4@tasman-geo.com; rbueul27@chevron.com | | | |
| Sampler(s) Name(s): | Brannan Wallis | Project Manager: | Bryce Goldade | Attention: Lauren Hoff |

Requested Analysis (see TEST CODE sheet)

Matrix Codes: 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; D=dissolved metals; PD=Potentially dissolved; TR=Total recoverable

| | Field ID / Point of Collection | Collection: Date | Time | Sampled by | Matrix | # of bottles | Number of preserved Bottles: NONE | HCl | NaOH | HNO3 | H2SO4 | DI Water | MeOH | ENCORE | Na2S2O3 | Na2SO3 | Full ECMC 915-1 Suite | pH, EC, SAR, Boron | 915-Metals (TR) | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | AST01@0-6" | 9/18/25 | 1100 | BW | SO | 3 | 3 | | | | | | | | | | X | | | |
| 02 | AST02@0-6" | | 1102 | | | | | | | | | | | | | | | | | |
| 03 | AST03@0-6" | | 1104 | | | | | | | | | | | | | | | | | |
| 04 | AST04@0-6" | | 1106 | | | | | | | | | | | | | | | | | |
| 05 | AST05@0-6" | | 1108 | | | | | | | | | | | | | | | | | |
| 06 | SEP01-FL@3' | | 1212 | | | | | | | | | | | | | | | | | |
| 07 | SEP02-FL@3' | | 1213 | | | | | | | | | | | | | | | | | |
| 08 | SEP03-FL@3' | | 1214 | | | | | | | | | | | | | | | | | |
| 09 | SEP04-FL@3' | | 1215 | | | | | | | | | | | | | | | | | |
| 10 | PWV01-B@4' | | 1330 | | | | | | | | | | | | | | | | | |
| 11 | PWV01-N@2 | | 1332 | | | | | | | | | | | | | | | | | |
| 12 | PWV01-W@2' | | 1338 | | | | | | | | | | | | | | | | | |

**Turnaround Time (Business days)**

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY

Special Reporting Instructions
- [ ] Report in PPB
- [ ] Report in PPM
- [ ] Report MDLs

Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

**Data Deliverable Information**

- [ ] Commercial "A" (Level 1, Results Only)
- [ ] Commercial "B" (Level 2, Results + QC Summary)
- [ ] COMMBN (Results/QC/Narrative)
- [ ] COMMBN+ [Results/QC/Narrative (+ chromatograms)]
- [ ] REDT2 (Results/QC Summary/partial raw data)
- [ ] FULT1
- [X] EDD Format: Tasman

**Comments / Special Instructions**

***Metals: specify metal(s), method, and type (D, PD, TR)**

**Sample Custody must be documented below each time samples change possession, including courier, Fed Ex, USP, USPS delivery.**

| Relinquished by Sampler/Affiliation: | Date/Time: | Received By/Affiliation: | Relinquished By/Affiliation: | Date/Time: | Received By/Affiliation: |
|---|---|---|---|---|---|
| 1 Brannan Wallis | 9/18/25 1635 | 1 | 2 | | 2 |
| Relinquished by/Affiliation: | Date/Time: | Received By/Affiliation: | Relinquished By/Affiliation: | Date/Time: | Received By/Affiliation: |
| 3 | | 3 | 4 | | 4 |

Custody Seal #: Intact ☐ Not intact ☐ Absent ☐

Preserved where applicable ☐ Cooler Temp. °C (corrected): 3.2 Therm. ID: 7210 On Ice ☐

http://www.sgs.com/en/terms-and-conditions

FORM: EHSA-QAC-0027-03-FORM-Wheat Ridge - COC; RV 2/20/2025

# CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021
www.sgs.com/ehsusa



| Bottle Order Control # | FED-EX Tracking # |
|---|---|
| SGS Quote # | SGS Job # DA75444 |

| Client / Reporting Information | Project Information | Billing Information (if different from Report to) |
|---|---|---|
| Company: Tasman | Project Name: Cache 8-13, 24, 34, Comm Sn 8-53 Tank Battery | |
| Street: 4725 Independence St. | Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐ Street: | |
| City, State ZIP: Wheat Ridge / CO / 80023 | City, State ZIP: CO | Company: PDC Energy |
| Project Contact: Bryce Goldade | Project #: 10772 | Street Address: |
| Phone: 8169236781 | Client Purchase Order #: | City, State ZIP: |
| Email: tas-chevron-4@tasman-geo.com; rbueuf27@chevron.com | | |
| Sampler(s) Name(s): Brannon Walus | Project Manager: Bryce Goldade | Attention: Lauren Muff |

| Field ID / Point of Collection | Collection: Date | Time | Sampled by | Matrix | # of bottles | Number of preserved Bottles: NONE | HCl | NaOH | HNO3 | H2SO4 | DI Water | MeOH | ENCORE | Na2S2O3 | Na2SO3 | Full ECMC 915-1 Suite | pH, EC, SAR, Boron | 915-Metals (TR) | On hold | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 PWV81-EW2' | 9/18/25 | 1334 | SW | SO | 3 | 3 | | | | | | | | | | X | | | X | |
| 14 PWV81-SW2' | 9/18/25 | 1336 | SW | SO | 3 | 3 | | | | | | | | | | X | | | X | |

Matrix Codes: 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; D=dissolved metals; PD=Potentially dissolved; TR=Total recoverable

**Turnaround Time (Business days)**

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY

Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

**Special Reporting Instructions**

- [ ] Report in PPB
- [ ] Report in PPM
- [ ] Report MDLs

**Data Deliverable Information**

- [ ] Commercial "A" (Level 1, Results Only)
- [ ] Commercial "B" (Level 2, Results + QC Summary)
- [ ] COMMBN (Results/QC/Narrative)
- [ ] COMMBN+ [Results/QC/Narrative (+ chromatograms)]
- [ ] REDT2 (Results/QC Summary/partial raw data)
- [ ] FULT1
- [X] EDD Format: Tasman

**Comments / Special Instructions**

***Metals: specify metal(s), method, and type (D, PD, TR)**

**Sample Custody must be documented below each time samples change possession, including courier, Fed Ex, USP, USPS delivery.**

| Relinquished by Sampler/Affiliation: | Date/Time: | Received By/Affiliation: | Relinquished By/Affiliation: | Date/Time: | Received By/Affiliation: |
|---|---|---|---|---|---|
| Brannon Walus | 9/18/25 1635 | 1 | 2 | | 2 |
| Relinquished by/Affiliation: | Date/Time: | Received By/Affiliation: | Relinquished By/Affiliation: | Date/Time: | Received By/Affiliation: |
| 3 | | 3 | 4 | | 4 |

Custody Seal #: Intact ☐ Not intact ☐ Absent ☐ | Preserved where applicable ☐ | Cooler Temp. °C (corrected): 3.4 | Therm. ID: #182 | On Ice ☑

# SGS Sample Receipt Summary

**Job Number:** da75444 **Client:** TASMAN **Project:** CACHE 8-13,24,34;CORNISH 8-53

**Date / Time Received:** 9/18/2025 4:35:00 PM **Delivery Method:** hd **Airbill #'s:**

**Cooler Temps (Raw Measured) °C:** Cooler 1: (3.0);

**Cooler Temps (Corrected) °C:** Cooler 1: (3.0);

| Cooler Information | Y | or | N |
|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ |
| 3. Temp criteria achieved: | ☑ | | ☐ |
| 4. Cooler temp verification: | IR Gun | | |
| 5. Cooler media: | Ice (Bag) | | |

| Trip Blank Information | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☐ | ☑ |
| 2. Trip Blank listed on COC: | ☐ | | ☐ | ☑ |

| | W | or | S | N/A |
|---|---|---|---|---|
| 3. Type of TB Received: | ☐ | | ☐ | ☑ |

| Sample Information | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ | |
| 2. Samples presented properly: | ☑ | | ☐ | |
| 3. Suffiient volume/containers recv'd for analysis: | ☑ | | ☐ | |
| 4. Condition of sample: | Intact | | | |
| 5. Sample recv'd within HT: | ☑ | | ☐ | |
| 6. Dates/Times/IDs on COC match sample label: | ☑ | | ☐ | |
| 7. VOCs have headspace: | ☐ | | ☐ | ☑ |
| 8. Bottles received for unspecified tests: | ☐ | | ☑ | |
| 9. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 10. Voa Soil Kits/Jars received past 48hrs? | ☐ | | ☑ | ☐ |
| 11. % Solids Jar Received? | ☐ | | ☑ | ☐ |

**Misc Information**

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals:

Test Strip Lot #s: pH 0-3: pH 10-12: Other: (Specify)

Residual Chlorine Test Strip Lot #

Comments 8260 Soil sample will be moved to freezer by 7:00pm

SM001
Rev. Date 05/04/17

Technician: TERRIM Date: 9/18/2025 4:58:50 PM Reviewer: Date:

## 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



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28689-MB | 3G60550.D | 1 | 09/26/25 | TH | 09/25/25 | OP28689 | E3G2914 |



**The QC reported here applies to the following samples:** **Method:** SW846 8270E

DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | ND | 4.0 | ug/kg | |
| 120-12-7 | Anthracene | ND | 4.0 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 5.0 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 4.0 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 4.0 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 4.0 | ug/kg | |
| 218-01-9 | Chrysene | ND | 4.0 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 4.0 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 4.0 | ug/kg | |
| 86-73-7 | Fluorene | ND | 4.0 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 4.0 | ug/kg | |
| 90-12-0 | 1-Methylnaphthalene | ND | 4.0 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 4.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 2.0 | ug/kg | |
| 129-00-0 | Pyrene | ND | 4.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 93% | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 88% | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 100% | 10-130% |

# Method Blank Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28688-MB | 6G21356.D | 1 | 09/26/25 | TH | 09/25/25 | OP28688 | E6G803 |



**The QC reported here applies to the following samples:** **Method:** SW846 8270E

DA75444-1

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | ND | 4.0 | ug/kg | |
| 120-12-7 | Anthracene | ND | 4.0 | ug/kg | |
| 56-55-3 | Benzo(a)anthracene | ND | 5.0 | ug/kg | |
| 205-99-2 | Benzo(b)fluoranthene | ND | 4.0 | ug/kg | |
| 207-08-9 | Benzo(k)fluoranthene | ND | 4.0 | ug/kg | |
| 50-32-8 | Benzo(a)pyrene | ND | 4.0 | ug/kg | |
| 218-01-9 | Chrysene | ND | 4.0 | ug/kg | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | 4.0 | ug/kg | |
| 206-44-0 | Fluoranthene | ND | 4.0 | ug/kg | |
| 86-73-7 | Fluorene | ND | 4.0 | ug/kg | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | 4.0 | ug/kg | |
| 90-12-0 | 1-Methylnaphthalene | ND | 4.0 | ug/kg | |
| 91-57-6 | 2-Methylnaphthalene | ND | 4.0 | ug/kg | |
| 91-20-3 | Naphthalene | ND | 2.0 | ug/kg | |
| 129-00-0 | Pyrene | ND | 4.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 94% | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 93% | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 107% | 10-130% |

# Blank Spike Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28689-BS | 3G60551.D | 1 | 09/26/25 | TH | 09/25/25 | OP28689 | E3G2914 |



**The QC reported here applies to the following samples:** **Method:** SW846 8270E

DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 200 | 238 | 119 | 31-130 |
| 120-12-7 | Anthracene | 200 | 265 | 133 | 46-134 |
| 56-55-3 | Benzo(a)anthracene | 200 | 268 | 134 | 52-135 |
| 205-99-2 | Benzo(b)fluoranthene | 200 | 284 | 142* [a] | 50-136 |
| 207-08-9 | Benzo(k)fluoranthene | 200 | 258 | 129 | 52-134 |
| 50-32-8 | Benzo(a)pyrene | 200 | 273 | 137* [a] | 50-130 |
| 218-01-9 | Chrysene | 200 | 255 | 128 | 51-131 |
| 53-70-3 | Dibenzo(a,h)anthracene | 200 | 270 | 135 | 49-136 |
| 206-44-0 | Fluoranthene | 200 | 265 | 133 | 51-137 |
| 86-73-7 | Fluorene | 200 | 254 | 127 | 38-130 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 200 | 274 | 137 | 50-139 |
| 90-12-0 | 1-Methylnaphthalene | 200 | 227 | 114 | 18-130 |
| 91-57-6 | 2-Methylnaphthalene | 200 | 227 | 114 | 16-130 |
| 91-20-3 | Naphthalene | 200 | 207 | 104 | 5-130 |
| 129-00-0 | Pyrene | 200 | 270 | 135 | 48-136 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 120% | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 119% | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 117% | 10-130% |

(a) Outside control limits.

* = Outside of Control Limits.

# Blank Spike Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28688-BS | 6G21357.D | 1 | 09/26/25 | TH | 09/25/25 | OP28688 | E6G803 |



**The QC reported here applies to the following samples:** **Method:** SW846 8270E

DA75444-1

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | Limits |
|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | 200 | 235 | 118 | 31-130 |
| 120-12-7 | Anthracene | 200 | 250 | 125 | 46-134 |
| 56-55-3 | Benzo(a)anthracene | 200 | 230 | 115 | 52-135 |
| 205-99-2 | Benzo(b)fluoranthene | 200 | 266 | 133 | 50-136 |
| 207-08-9 | Benzo(k)fluoranthene | 200 | 259 | 130 | 52-134 |
| 50-32-8 | Benzo(a)pyrene | 200 | 255 | 128 | 50-130 |
| 218-01-9 | Chrysene | 200 | 253 | 127 | 51-131 |
| 53-70-3 | Dibenzo(a,h)anthracene | 200 | 233 | 117 | 49-136 |
| 206-44-0 | Fluoranthene | 200 | 267 | 134 | 51-137 |
| 86-73-7 | Fluorene | 200 | 246 | 123 | 38-130 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 200 | 243 | 122 | 50-139 |
| 90-12-0 | 1-Methylnaphthalene | 200 | 233 | 117 | 18-130 |
| 91-57-6 | 2-Methylnaphthalene | 200 | 224 | 112 | 16-130 |
| 91-20-3 | Naphthalene | 200 | 204 | 102 | 5-130 |
| 129-00-0 | Pyrene | 200 | 263 | 132 | 48-136 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 124% | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 126% | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 129% | 10-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28689-MS | 3G60552.D | 1 | 09/26/25 | TH | 09/25/25 | OP28689 | E3G2914 |
| OP28689-MSD | 3G60553.D | 1 | 09/26/25 | TH | 09/25/25 | OP28689 | E3G2914 |
| DA75446-2 | 3G60554.D | 1 | 09/26/25 | TH | 09/25/25 | OP28689 | E3G2914 |



**The QC reported here applies to the following samples:** **Method:** SW846 8270E

DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | DA75446-2 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 | < 4.1 | | 200 | 194 | 97 | 200 | 180 | 90 | 7 | 12-130/52 |
| 120-12-7 | Anthracene | < 4.1 | | 200 | 227 | 114 | 200 | 221 | 111 | 3 | 31-130/60 |
| 56-55-3 | Benzo(a)anthracene | < 5.1 | | 200 | 237 | 119 | 200 | 226 | 113 | 5 | 34-130/60 |
| 205-99-2 | Benzo(b)fluoranthene | < 4.1 | | 200 | 233 | 117 | 200 | 228 | 114 | 2 | 10-168/60 |
| 207-08-9 | Benzo(k)fluoranthene | < 4.1 | | 200 | 210 | 105 | 200 | 205 | 103 | 2 | 30-130/60 |
| 50-32-8 | Benzo(a)pyrene | < 4.1 | | 200 | 222 | 111 | 200 | 217 | 109 | 2 | 10-179/60 |
| 218-01-9 | Chrysene | < 4.1 | | 200 | 220 | 110 | 200 | 208 | 104 | 6 | 34-130/60 |
| 53-70-3 | Dibenzo(a,h)anthracene | < 4.1 | | 200 | 227 | 114 | 200 | 221 | 111 | 3 | 20-138/60 |
| 206-44-0 | Fluoranthene | < 4.1 | | 200 | 224 | 112 | 200 | 222 | 111 | 1 | 32-130/60 |
| 86-73-7 | Fluorene | < 4.1 | | 200 | 209 | 105 | 200 | 198 | 99 | 5 | 20-130/60 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 4.1 | | 200 | 222 | 111 | 200 | 212 | 106 | 5 | 17-148/60 |
| 90-12-0 | 1-Methylnaphthalene | < 4.1 | | 200 | 175 | 88 | 200 | 166 | 83 | 5 | 10-130/41 |
| 91-57-6 | 2-Methylnaphthalene | < 4.1 | | 200 | 167 | 84 | 200 | 163 | 82 | 2 | 14-130/40 |
| 91-20-3 | Naphthalene | < 2.0 | | 200 | 161 | 81 | 200 | 154 | 77 | 4 | 10-130/40 |
| 129-00-0 | Pyrene | < 4.1 | | 200 | 233 | 117 | 200 | 222 | 111 | 5 | 31-130/60 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75446-2 | Limits |
|---|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 84% | 98% | 78% | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 87% | 100% | 83% | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 101% | 102% | 89% | 10-130% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28688-MS | 6G21358.D | 1 | 09/26/25 | TH | 09/25/25 | OP28688 | E6G803 |
| OP28688-MSD | 6G21359.D | 1 | 09/26/25 | TH | 09/25/25 | OP28688 | E6G803 |
| DA75439-7 | 6G21360.D | 1 | 09/26/25 | TH | 09/25/25 | OP28688 | E6G803 |



**The QC reported here applies to the following samples:** **Method:** SW846 8270E

DA75444-1

| CAS No. | Compound | DA75439-7 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 | < 4.0 | | 204 | 173 | 85 | 208 | 204 | 98 | 16 | 12-130/52 |
| 120-12-7 | Anthracene | < 4.0 | | 204 | 206 | 101 | 208 | 220 | 106 | 7 | 31-130/60 |
| 56-55-3 | Benzo(a)anthracene | < 5.0 | | 204 | 196 | 96 | 208 | 210 | 101 | 7 | 34-130/60 |
| 205-99-2 | Benzo(b)fluoranthene | < 4.0 | | 204 | 217 | 107 | 208 | 239 | 115 | 10 | 10-168/60 |
| 207-08-9 | Benzo(k)fluoranthene | < 4.0 | | 204 | 214 | 105 | 208 | 233 | 112 | 9 | 30-130/60 |
| 50-32-8 | Benzo(a)pyrene | < 4.0 | | 204 | 211 | 104 | 208 | 230 | 111 | 9 | 10-179/60 |
| 218-01-9 | Chrysene | < 4.0 | | 204 | 214 | 105 | 208 | 240 | 116 | 11 | 34-130/60 |
| 53-70-3 | Dibenzo(a,h)anthracene | < 4.0 | | 204 | 192 | 94 | 208 | 213 | 103 | 10 | 20-138/60 |
| 206-44-0 | Fluoranthene | < 4.0 | | 204 | 214 | 105 | 208 | 236 | 114 | 10 | 32-130/60 |
| 86-73-7 | Fluorene | < 4.0 | | 204 | 189 | 93 | 208 | 220 | 106 | 15 | 20-130/60 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | < 4.0 | | 204 | 197 | 97 | 208 | 223 | 107 | 12 | 17-148/60 |
| 90-12-0 | 1-Methylnaphthalene | < 4.0 | | 204 | 161 | 79 | 208 | 209 | 101 | 26 | 10-130/41 |
| 91-57-6 | 2-Methylnaphthalene | < 4.0 | | 204 | 154 | 76 | 208 | 204 | 98 | 28 | 14-130/40 |
| 91-20-3 | Naphthalene | < 2.0 | | 204 | 146 | 72 | 208 | 193 | 93 | 28 | 10-130/40 |
| 129-00-0 | Pyrene | < 4.0 | | 204 | 218 | 107 | 208 | 239 | 115 | 9 | 31-130/60 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75439-7 | Limits |
|---|---|---|---|---|---|
| 321-60-8 | 2-Fluorobiphenyl | 107% | 103% | 105% | 10-130% |
| 4165-60-0 | Nitrobenzene-d5 | 112% | 107% | 112% | 10-130% |
| 1718-51-0 | Terphenyl-d14 | 119% | 112% | 123% | 10-130% |

* = 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:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28680-MB | FN94974.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |

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

DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | ND | 4.0 | mg/kg | |
| | TPH-ORO (> C28-C36) | ND | 6.0 | mg/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 84-15-1 | o-Terphenyl | 96% | 20-142% |

# Blank Spike Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28680-BS1 | FN94975.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |

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

DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Spike mg/kg | BSP mg/kg | BSP % | Limits |
|---|---|---|---|---|---|
| | TPH-DRO (C10-C28) | 200 | 184 | 92 | 70-130 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|---|---|---|---|
| 84-15-1 | o-Terphenyl | 101% | 20-142% |

* = Outside of Control Limits.

# Blank Spike Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28680-BS2 | FN94984.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |

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

DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Spike mg/kg | BSP mg/kg | BSP % | Limits |
|---|---|---|---|---|---|
| | TPH-ORO (> C28-C36) | 200 | 260 | 130 | 70-138 |

| CAS No. | Surrogate Recoveries | BSP | Limits |
|---|---|---|---|
| 84-15-1 | o-Terphenyl | 101% | 20-142% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28680-MS1 | FN94985.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |
| OP28680-MSD1 | FN94986.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |
| DA75439-18 | FN94989.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |

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

DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | DA75439-18 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) | < 4.4 | | 222 | 228 | 103 | 224 | 229 | 102 | 0 | 59-130/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75439-18 | Limits |
|---|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 103% | 108% | 112% | 20-142% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** CHEVRCOG Chevron USA, Inc.
**Project:** TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| OP28680-MS2 | FN94987.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |
| OP28680-MSD2 | FN94988.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |
| DA75439-19 | FN94990.D | 1 | 09/26/25 | JB | 09/23/25 | OP28680 | GFN510 |

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

DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | DA75439-19 mg/kg | Q | Spike mg/kg | MS mg/kg | MS % | Spike mg/kg | MSD mg/kg | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TPH-ORO (> C28-C36) | < 6.2 | | 202 | 267 | 132 | 207 | 297 | 144 | 11 | 70-153/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75439-19 | Limits |
|---|---|---|---|---|---|
| 84-15-1 | o-Terphenyl | 115% | 112% | 98% | 20-142% |

* = 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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/23/25

| Metal | RL | IDL | MDL | MB raw | final |
|---|---|---|---|---|---|
| Aluminum | 500 | 9.9 | 75 | | |
| Antimony | 150 | 30 | 34 | | |
| Arsenic | 130 | 11 | 23 | | |
| Barium | 50 | .95 | 6.5 | | |
| Beryllium | 50 | .5 | 6.5 | | |
| Boron | 250 | 6.3 | 32 | -6.0 | <250 |
| Cadmium | 50 | 1.1 | 6.5 | | |
| Calcium | 2000 | 28 | 250 | | |
| Chromium | 50 | 3.4 | 6.5 | | |
| Cobalt | 25 | 4.1 | 3.2 | | |
| Copper | 50 | 2.5 | 6.5 | | |
| Iron | 350 | 9.3 | 60 | | |
| Lead | 250 | 21 | 32 | | |
| Lithium | 25 | 10 | 6.5 | | |
| Magnesium | 1000 | 35 | 130 | | |
| Manganese | 25 | .85 | 3.2 | | |
| Molybdenum | 50 | 13 | 14 | | |
| Nickel | 150 | 5.7 | 19 | | |
| Phosphorus | 500 | 58 | 80 | | |
| Potassium | 5000 | 180 | 630 | | |
| Selenium | 250 | 46 | 110 | | |
| Silicon | 1000 | 210 | 750 | | |
| Silver | 150 | 2.8 | 19 | | |
| Sodium | 2000 | 43 | 250 | | |
| Strontium | 25 | .5 | 3.2 | | |
| Thallium | 50 | 30 | 22 | | |
| Tin | 300 | 17 | 260 | | |
| Titanium | 50 | 2.2 | 6.5 | | |
| Uranium | 250 | 57 | 43 | | |
| Vanadium | 50 | 5.2 | 6.5 | | |
| Zinc | 150 | 3.4 | 19 | | |

Associated samples MP43087: DA75444-1B, DA75444-2B, DA75444-3B, DA75444-4B, DA75444-5B, DA75444-6B, DA75444-7B, DA75444-8B, DA75444-9B, DA75444-10B, DA75444-11B, DA75444-12B

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 09/23/25

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

(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

| Prep Date: | | | 09/23/25 | | | | | 09/23/25 | |
|---|---|---|---|---|---|---|---|---|---|
| Metal | DA75446-2B Original | DUP | RPD | QC Limits | DA75446-2B Original | MS | Spikelot ICPALL6 | % Rec | QC Limits |
| Aluminum | | | | | | | | | |
| Antimony | | | | | | | | | |
| Arsenic | | | | | | | | | |
| Barium | | | | | | | | | |
| Beryllium | | | | | | | | | |
| Boron | 62.5 | 63.0 | 0.8 | 0-20 | 62.5 | 10200 | 10000 | 101.4 | 75-125 |
| Cadmium | | | | | | | | | |
| Calcium | | | | | | | | | |
| Chromium | | | | | | | | | |
| Cobalt | | | | | | | | | |
| Copper | | | | | | | | | |
| Iron | | | | | | | | | |
| Lead | | | | | | | | | |
| Lithium | | | | | | | | | |
| Magnesium | | | | | | | | | |
| Manganese | | | | | | | | | |
| Molybdenum | | | | | | | | | |
| Nickel | | | | | | | | | |
| Phosphorus | | | | | | | | | |
| Potassium | | | | | | | | | |
| Selenium | | | | | | | | | |
| Silicon | | | | | | | | | |
| Silver | | | | | | | | | |
| Sodium | | | | | | | | | |
| Strontium | | | | | | | | | |
| Thallium | | | | | | | | | |
| Tin | | | | | | | | | |
| Titanium | | | | | | | | | |
| Uranium | | | | | | | | | |
| Vanadium | | | | | | | | | |
| Zinc | | | | | | | | | |

Associated samples MP43087: DA75444-1B, DA75444-2B, DA75444-3B, DA75444-4B, DA75444-5B, DA75444-6B, DA75444-7B, DA75444-8B, DA75444-9B, DA75444-10B, DA75444-11B, DA75444-12B

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

| Prep Date: | | 09/23/25 | | | | 09/23/25 | |
|---|---|---|---|---|---|---|---|
| Metal | DA75446-2B Original DUP | RPD | QC Limits | DA75446-2B Original MS | Spikelot ICPALL6 | % Rec | QC Limits |

(*) 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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/23/25

| Metal | BSP Result | Spikelot ICPALL6 | % Rec | QC Limits |
|---|---|---|---|---|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | 9180 | 10000 | 91.8 | 80-120 |
| Cadmium | | | | |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | | | | |
| Lithium | | | | |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silicon | | | | |
| Silver | | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP43087: DA75444-1B, DA75444-2B, DA75444-3B, DA75444-4B, DA75444-5B, DA75444-6B, DA75444-7B, DA75444-8B, DA75444-9B, DA75444-10B, DA75444-11B, DA75444-12B

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/23/25

| Metal | BSP Result | Spikelot ICPALL6 | % Rec | QC Limits |
|---|---|---|---|---|

(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 09/23/25

| Metal | DA75446-2B Original | SDL 1:5 | %DIF | QC Limits |
|---|---|---|---|---|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | 12.5 | 20.2 | 61.6 (a) | 0-10 |
| Cadmium | | | | |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | | | | |
| Lithium | | | | |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silicon | | | | |
| Silver | | | | |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP43087: DA75444-1B, DA75444-2B, DA75444-3B, DA75444-4B, DA75444-5B, DA75444-6B, DA75444-7B, DA75444-8B, DA75444-9B, DA75444-10B, DA75444-11B, DA75444-12B

Results < IDL are shown as zero for calculation purposes

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43087 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 09/23/25

| | DA75446-2B | | QC |
|---|---|---|---|
| Metal | Original SDL 1:5 | %DIF | Limits |

(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43088 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/22/25

| Metal | RL | IDL | MDL | MB raw | final |
|---|---|---|---|---|---|
| Aluminum | 25 | .26 | 2.5 | | |
| Antimony | 0.20 | .005 | .025 | | |
| Arsenic | 0.10 | .025 | .025 | 0.026 | <0.10 |
| Barium | 1.0 | .048 | .12 | 0.030 | <1.0 |
| Beryllium | 0.10 | .038 | .02 | | |
| Boron | 20 | 9.1 | 5 | | |
| Cadmium | 0.050 | .015 | .02 | 0.0027 | <0.050 |
| Calcium | 200 | 13 | 15 | | |
| Chromium | 1.0 | .043 | .3 | | |
| Cobalt | 0.10 | .02 | .013 | | |
| Copper | 1.0 | .025 | .13 | 0.020 | <1.0 |
| Iron | 10 | .8 | 7.5 | | |
| Lead | 0.25 | .047 | .1 | 0.016 | <0.25 |
| Magnesium | 50 | 5 | 5 | | |
| Manganese | 0.50 | .04 | .1 | | |
| Molybdenum | 0.50 | .019 | .14 | | |
| Nickel | 1.0 | .049 | .1 | -0.24 | <1.0 |
| Phosphorus | 30 | 3.8 | 13 | | |
| Potassium | 100 | 1 | 13 | | |
| Selenium | 0.20 | .025 | .025 | 0.0012 | <0.20 |
| Silver | 0.050 | .0041 | .015 | | |
| Sodium | 250 | 5 | 15 | | |
| Strontium | 10 | .05 | .5 | | |
| Thallium | 0.10 | .016 | .02 | | |
| Tin | 5.0 | .11 | 2 | | |
| Titanium | 1.0 | .025 | .15 | | |
| Uranium | 0.10 | .0074 | .05 | | |
| Vanadium | 0.50 | .071 | .1 | | |
| Zinc | 5.0 | .025 | .5 | 0.17 | <5.0 |

Associated samples MP43088: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43088
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 09/22/25

| Metal | DA75440-12 Original | MS | Spikelot ICPMS6 | % Rec | QC Limits |
|---|---|---|---|---|---|
| Aluminum | | | | | |
| Antimony | | | | | |
| Arsenic | 2.4 | 61.9 | 64.6 | 92.1 | 75-125 |
| Barium | 55.7 | 189 | 129 | 103.1 | 75-125 |
| Beryllium | | | | | |
| Boron | | | | | |
| Cadmium | 0.097 | 33.3 | 32.3 | 102.7 | 75-125 |
| Calcium | | | | | |
| Chromium | | | | | |
| Cobalt | | | | | |
| Copper | 4.1 | 35.1 | 32.3 | 95.9 | 75-125 |
| Iron | | | | | |
| Lead | 6.3 | 70.2 | 64.6 | 98.9 | 75-125 |
| Magnesium | | | | | |
| Manganese | | | | | |
| Molybdenum | | | | | |
| Nickel | 4.4 | 35.4 | 32.3 | 95.9 | 75-125 |
| Phosphorus | | | | | |
| Potassium | | | | | |
| Selenium | 0.13 | 58.2 | 64.6 | 89.8 | 75-125 |
| Sodium | | | | | |
| Strontium | | | | | |
| Thallium | | | | | |
| Tin | | | | | |
| Titanium | | | | | |
| Uranium | | | | | |
| Vanadium | | | | | |
| Zinc | 16.1 | 48.4 | 32.3 | 99.9 | 75-125 |

Associated samples MP43088: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43088 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/22/25

| Metal | DA75440-12 Original | MSD | Spikelot ICPMS6 | % Rec | MSD RPD | QC Limit |
|---|---|---|---|---|---|---|
| Aluminum | | | | | | |
| Antimony | | | | | | |
| Arsenic | 2.4 | 75.3 | 74.9 | 97.4 | 19.5 | 20 |
| Barium | 55.7 | 210 | 150 | 103.1 | 10.5 | 20 |
| Beryllium | | | | | | |
| Boron | | | | | | |
| Cadmium | 0.097 | 40.4 | 37.4 | 107.7 | 19.3 | 20 |
| Calcium | | | | | | |
| Chromium | | | | | | |
| Cobalt | | | | | | |
| Copper | 4.1 | 41.8 | 37.4 | 100.7 | 17.4 | 20 |
| Iron | | | | | | |
| Lead | 6.3 | 83.9 | 74.9 | 103.7 | 17.8 | 20 |
| Magnesium | | | | | | |
| Manganese | | | | | | |
| Molybdenum | | | | | | |
| Nickel | 4.4 | 41.9 | 37.4 | 100.2 | 16.8 | 20 |
| Phosphorus | | | | | | |
| Potassium | | | | | | |
| Selenium | 0.13 | 70.6 | 74.9 | 94.1 | 19.3 | 20 |
| Sodium | | | | | | |
| Strontium | | | | | | |
| Thallium | | | | | | |
| Tin | | | | | | |
| Titanium | | | | | | |
| Uranium | | | | | | |
| Vanadium | | | | | | |
| Zinc | 16.1 | 54.9 | 37.4 | 103.7 | 12.6 | 20 |

Associated samples MP43088: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43088
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 09/22/25

| Metal | BSP Result | Spikelot ICPMS6 | % Rec | QC Limits |
|---|---|---|---|---|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | 101 | 100 | 101.0 | 80-120 |
| Barium | 192 | 200 | 96.0 | 80-120 |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | 51.6 | 50 | 103.2 | 80-120 |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | 51.5 | 50 | 103.0 | 80-120 |
| Iron | | | | |
| Lead | 102 | 100 | 102.0 | 80-120 |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | 50.5 | 50 | 101.0 | 80-120 |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | 99.2 | 100 | 99.2 | 80-120 |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | 50.2 | 50 | 100.4 | 80-120 |

Associated samples MP43088: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43088
Matrix Type: SOLID

Methods: SW846 6020B
Units: ug/l

Prep Date: 09/22/25

| Metal | DA75440-12 Original | SDL 5:25 | %DIF | QC Limits |
|---|---|---|---|---|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | 33.8 | 37.8 | 11.8 | 0-20 |
| Barium | 777 | 784 | 1.0 | 0-20 |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | 1.36 | 1.37 | 1.2 | 0-20 |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | 56.7 | 59.7 | 5.3 | 0-20 |
| Iron | | | | |
| Lead | 88.0 | 87.7 | 0.3 | 0-20 |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | 61.4 | 55.2 | 10.1 | 0-20 |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | 1.82 | 1.63 | 10.6 | 0-20 |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | 224 | 243 | 8.4 | 0-20 |

Associated samples MP43088: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43179
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 09/24/25

| Metal | RL | IDL | MDL | MB raw | final |
|---|---|---|---|---|---|
| Aluminum | 50 | .52 | 5 | | |
| Antimony | 0.40 | .01 | .05 | | |
| Arsenic | 0.20 | .05 | .05 | | |
| Barium | 2.0 | .096 | .24 | | |
| Beryllium | 0.20 | .077 | .04 | | |
| Boron | 40 | 18 | 10 | | |
| Cadmium | 0.10 | .03 | .04 | | |
| Calcium | 400 | 25 | 30 | | |
| Chromium | 2.0 | .087 | .6 | | |
| Cobalt | 0.20 | .04 | .025 | | |
| Copper | 2.0 | .05 | .25 | | |
| Iron | 20 | 1.6 | 15 | | |
| Lead | 0.50 | .094 | .2 | | |
| Magnesium | 100 | 10 | 10 | | |
| Manganese | 1.0 | .079 | .2 | | |
| Molybdenum | 1.0 | .037 | .27 | | |
| Nickel | 2.0 | .098 | .2 | | |
| Phosphorus | 60 | 7.6 | 25 | | |
| Potassium | 200 | 2 | 25 | | |
| Selenium | 0.10 | .05 | .05 | | |
| Silver | 0.10 | .0081 | .03 | 0.0077 | <0.10 |
| Sodium | 500 | 10 | 30 | | |
| Strontium | 20 | .1 | 1 | | |
| Thallium | 0.20 | .032 | .04 | | |
| Tin | 10 | .22 | 4 | | |
| Titanium | 2.0 | .05 | .3 | | |
| Uranium | 0.20 | .015 | .1 | | |
| Vanadium | 1.0 | .14 | .2 | | |
| Zinc | 10 | .05 | 1 | | |

Associated samples MP43179: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43179
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 09/24/25

| Metal | DA75444-8 Original MS | | Spikelot ICPMS6 | % Rec | QC Limits |
|---|---|---|---|---|---|
| Aluminum | | | | | |
| Antimony | | | | | |
| Arsenic | | | | | |
| Barium | | | | | |
| Beryllium | | | | | |
| Boron | | | | | |
| Cadmium | | | | | |
| Calcium | | | | | |
| Chromium | | | | | |
| Cobalt | | | | | |
| Copper | | | | | |
| Iron | | | | | |
| Lead | | | | | |
| Magnesium | | | | | |
| Manganese | | | | | |
| Molybdenum | | | | | |
| Nickel | | | | | |
| Phosphorus | | | | | |
| Potassium | | | | | |
| Selenium | | | | | |
| Silver | 0.032 | 20.8 | 21 | 98.8 | 75-125 |
| Sodium | | | | | |
| Strontium | | | | | |
| Thallium | | | | | |
| Tin | | | | | |
| Titanium | | | | | |
| Uranium | | | | | |
| Vanadium | | | | | |
| Zinc | | | | | |

Associated samples MP43179: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43179 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/24/25

| Metal | DA75444-8 Original | MSD | Spikelot ICPMS6 | % Rec | MSD RPD | QC Limit |
|---|---|---|---|---|---|---|
| Aluminum | | | | | | |
| Antimony | | | | | | |
| Arsenic | | | | | | |
| Barium | | | | | | |
| Beryllium | | | | | | |
| Boron | | | | | | |
| Cadmium | | | | | | |
| Calcium | | | | | | |
| Chromium | | | | | | |
| Cobalt | | | | | | |
| Copper | | | | | | |
| Iron | | | | | | |
| Lead | | | | | | |
| Magnesium | | | | | | |
| Manganese | | | | | | |
| Molybdenum | | | | | | |
| Nickel | | | | | | |
| Phosphorus | | | | | | |
| Potassium | | | | | | |
| Selenium | | | | | | |
| Silver | 0.032 | 20.9 | 20.6 | 101.2 | 0.5 | 20 |
| Sodium | | | | | | |
| Strontium | | | | | | |
| Thallium | | | | | | |
| Tin | | | | | | |
| Titanium | | | | | | |
| Uranium | | | | | | |
| Vanadium | | | | | | |
| Zinc | | | | | | |

Associated samples MP43179: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43179
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 09/24/25

| Metal | BSP Result | Spikelot ICPMS6 | % Rec | QC Limits |
|---|---|---|---|---|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Barium | | | | |
| Beryllium | | | | |
| Boron | | | | |
| Cadmium | | | | |
| Calcium | | | | |
| Chromium | | | | |
| Cobalt | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | | | | |
| Magnesium | | | | |
| Manganese | | | | |
| Molybdenum | | | | |
| Nickel | | | | |
| Phosphorus | | | | |
| Potassium | | | | |
| Selenium | | | | |
| Silver | 19.9 | 20 | 99.5 | 80-120 |
| Sodium | | | | |
| Strontium | | | | |
| Thallium | | | | |
| Tin | | | | |
| Titanium | | | | |
| Uranium | | | | |
| Vanadium | | | | |
| Zinc | | | | |

Associated samples MP43179: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75444
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP43179 Methods: SW846 6020B
Matrix Type: SOLID Units: ug/l

Prep Date: 09/24/25

| Metal | DA75444-8 Original | SDL 10:50%DIF | QC Limits |
|---|---|---|---|
| Aluminum | | | |
| Antimony | | | |
| Arsenic | | | |
| Barium | | | |
| Beryllium | | | |
| Boron | | | |
| Cadmium | | | |
| Calcium | | | |
| Chromium | | | |
| Cobalt | | | |
| Copper | | | |
| Iron | | | |
| Lead | | | |
| Magnesium | | | |
| Manganese | | | |
| Molybdenum | | | |
| Nickel | | | |
| Phosphorus | | | |
| Potassium | | | |
| Selenium | | | |
| Silver | 0.296 | 0.00 100.0(a) | 0-20 |
| Sodium | | | |
| Strontium | | | |
| Thallium | | | |
| Tin | | | |
| Titanium | | | |
| Uranium | | | |
| Vanadium | | | |
| Zinc | | | |

Associated samples MP43179: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

## Misc. Forms

### Custody Documents and Other Forms

(SGS Scott, LA)

Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY



SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # DA75444

**Client / Reporting Information**

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City State Zip: Wheat Ridge, CO 8003
Project Contact E-mail: parna.eskandaripayandeh@sgs.com
Phone # 303-425-6021 Fax #
Sampler(s) Name(s) Phone: SW

**Project Information**

Project Name: TASMCOA:Cache 8-13,24,34,Carnish 8-53
Street
City State
Project #
Client Purchase Order #
Project Manager

**Billing Information ( if different from Report to)**

Company Name
Street Address
City State Zip
Attention:

**Requested Analysis ( see TEST CODE sheet)**

**Matrix Codes**

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

| SGS Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | Number of preserved Bottles: HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | PASTE,SAR,SARCA,SARMG,SARNA | PH-SATPASTE,SCON,V8260TO15,V8260TGRO | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AST01@0-6" | | 9/18/25 | 11:00:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 1A | AST01@0-6" | | 9/18/25 | 11:00:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 2 | AST02@0-6" | | 9/18/25 | 11:02:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 2A | AST02@0-6" | | 9/18/25 | 11:02:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 3 | AST03@0-6" | | 9/18/25 | 11:04:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 3A | AST03@0-6" | | 9/18/25 | 11:04:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 4 | AST04@0-6" | | 9/18/25 | 11:06:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 4A | AST04@0-6" | | 9/18/25 | 11:06:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 5 | AST05@0-6" | | 9/18/25 | 11:08:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 5A | AST05@0-6" | | 9/18/25 | 11:08:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 6 | SEP01-FL@3' | | 9/18/25 | 12:12:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 6A | SEP01-FL@3' | | 9/18/25 | 12:12:00 PM | SW | SO | | | | | | | | | | X | | 1 |

Turnaround Time ( Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 9/29/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" ( Level 2)
- [ ] REDT1 ( Level 3)
- [ ] FULT1 ( Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [X] CC

Commercial "A" = Results Onl
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

WS-104 VS (9)
YL-58 MDS

http://www.sgs.com/en/terms-and-conditions

**Sample Custody must be documented below each time samples change possession, including courier delivery.**

| | Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|---|
| 1 | | 9.19.25 3.00 | 1 SWC | 2 SWC | 9.19.25 1300 | 2 D.A. |
| 3 | JA | 9.20.25 | 3 | 4 | | 4 |
| 5 | Relinquished by: | Date Time: | Received By: 5 | Custody Seal # CS COOLER | Intact / Not intact | Preserved where applicable / Therm. ID: IR004 / On Ice / Cooler Temp. |

9/20/25 8:15

Cooler Temp: 1.8 1.4 1.2 1.6 2.1

8.1

8

# CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA75444

**Client / Reporting Information**

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City State Zip: Wheat Ridge, CO 8003
Project Contact E-mail: parna.eskandaripayandeh@sgs.com
Phone # 303-425-6021 Fax #:
Sampler(s) Name(s) Phone #: SW

**Project Information**

Project Name: TASMCOA:Cache 8-13,24,34,Carnish 8-53
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

**Billing Information ( if different from Report to)**

Company Name:
Street Address:
City State Zip:
Attention:

**Requested Analysis ( see TEST CODE sheet)**

**Matrix Codes**

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

| SGS Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | Number of preserved Bottles: HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | PASTE_SAR_SARCA_SARMG_SARNA_ | PH-SATPASTE_SCON_V8260RG_V8260T915 | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | SEP02-FL@3' | | 9/18/25 | 12:13:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 7A | SEP02-FL@3' | | 9/18/25 | 12:13:00 PM | SW | SO | | | | | | | | | | X | | |
| 8 | SEP03-FL@3' | | 9/18/25 | 12:14:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 8A | SEP03-FL@3' | | 9/18/25 | 12:14:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 9 | SEP04-FL@3' | | 9/18/25 | 12:15:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 9A | SEP04-FL@3' | | 9/18/25 | 12:15:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 10 | PWV01-B@4' | | 9/18/25 | 1:30:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 10A | PWV01-B@4' | | 9/18/25 | 1:30:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 11 | PWV01-N@2' | | 9/18/25 | 1:32:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 11A | PWV01-N@2' | | 9/18/25 | 1:32:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 12 | PWV01-W@2' | | 9/18/25 | 1:38:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 12A | PWV01-W@2' | | 9/18/25 | 1:38:00 PM | SW | SO | | | | | | | | | | X | | 1 |

**Turnaround Time ( Business days)**

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 9/29/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

**Data Deliverable Information**

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" ( Level 2)
- [ ] REDT1 ( Level 3)
- [ ] FULT1 ( Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [X] CC

Commercial "A" = Results Onl
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

**Comments / Special Instructions**

http://www.sgs.com/en/terms-and-conditions

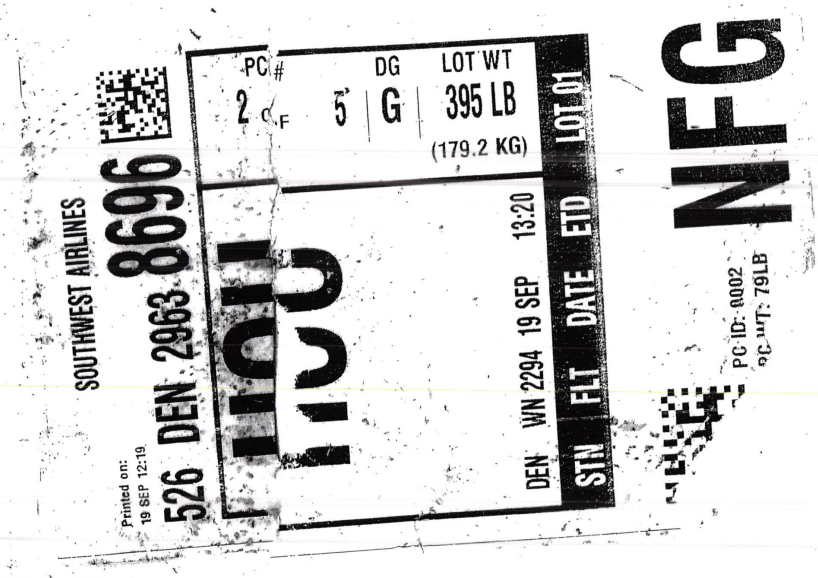
**Sample Custody must be documented below each time samples change possession, including courier delivery.**

| | Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|---|
| 1 | | 9/19/25 | SWC | SWC | 9/19/25 200 | DA |
| 2 | | | | | | |
| 3 | DA | 9/20/25 300 | Rene Smm | 9/20/25 815 | | |
| 4 | | | | | | |
| 5 | Relinquished by: | Date Time: | Received By: | Custody Seals: | Preserved where applicable | On Ice / Cooler Temp. |
| | | | | Intact / Not intact | Therm. ID: IR02 | 1.8 1.4 1.2 1.6 2.1 |

8.1

8

**DA75444: Chain of Custody**
**Page 3 of 9**




8.1

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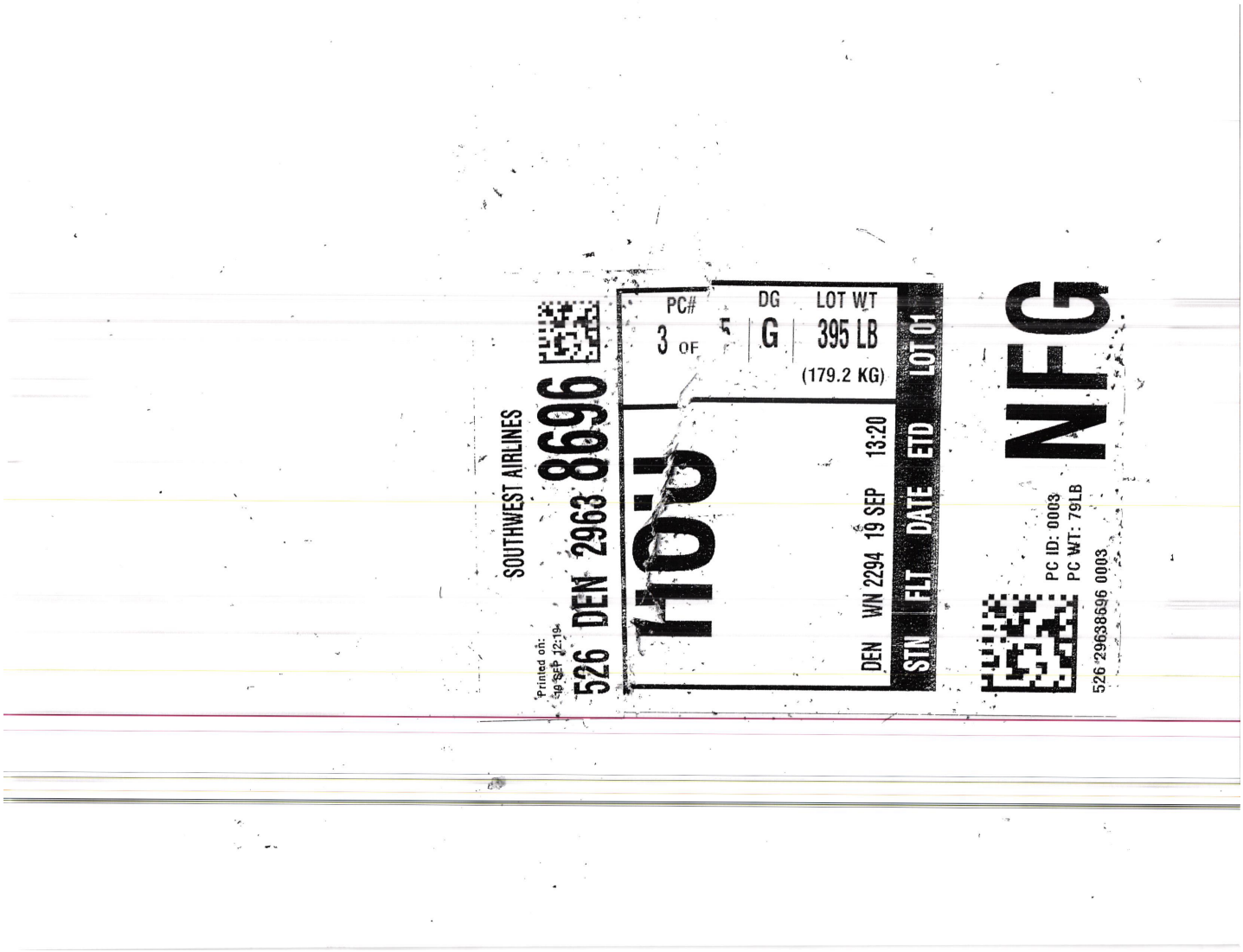
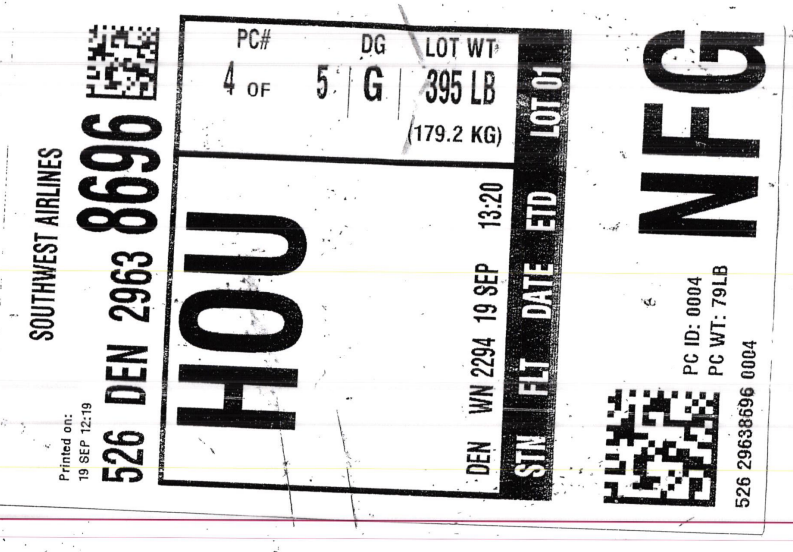
**DA75444: Chain of Custody**
**Page 4 of 9**


SOUTHWEST AIRLINES
526 DEN 2963 8696
Printed on:
19 SEP 12:19
PC#
3 OF
DG
G
LOT WT
395 LB
(179.2 KG)
LOT 01
ETD
DATE
FLT
STN
DEN WN 2294 19 SEP 13:20
NFG
PC ID: 0003
PC WT: 79LB
526 29638696 0003

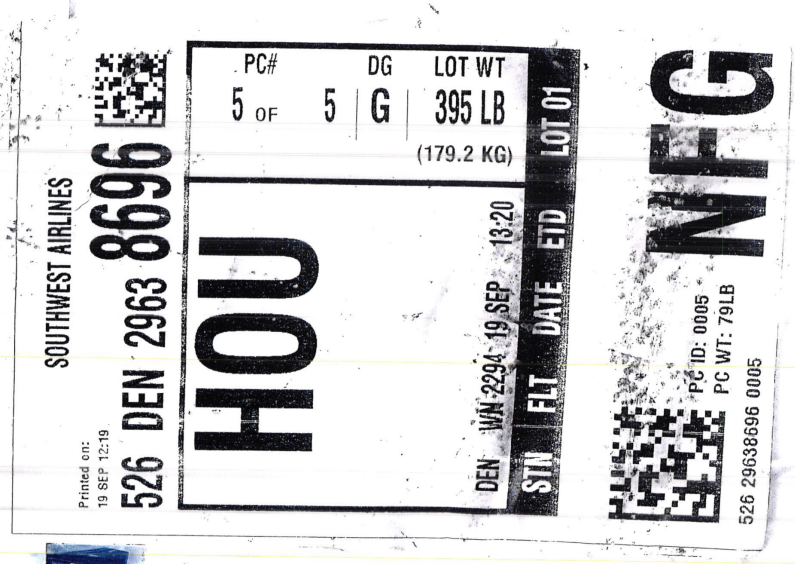
8.1

8


SOUTHWEST AIRLINES
526 DEN 2963 8696
Printed on:
19 SEP 12:19
PC#
4 OF 5
DG
G
LOT WT
395 LB
(179.2 KG)
LOT 01
HOU
STN
DEN
FLT
WN 2294
DATE
19 SEP
ETD
13:20
NFG
PC ID: 0004
PC WT: 79LB
526 29638696 0004

8.1

8




Southwest Cargo

8.1

8

**DA75444: Chain of Custody**
**Page 7 of 9**

526 | DEN | 29638696 526 – 29638696

Shipper's Name and Address
PRECISION AIR CARGO
P.O. BOX 5688
DENVER, CO 80217
US +1 (303) 576-0020

Shipper's Account Number
30495 - 1

Not Negotiable / Issued by
52629638696
Southwest Cargo
swacargo.com (800) 533-1222

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

Consignee's Name and Address
SGS
10175 HARWIN DRIVE
HOUSTON, TX 77036
US +1 (281) 881-1457

Consignee's Account Number

Received in Good Order & Condition at:
HOU - 5 pcs 09/19/2025 23:31 CDT by DUSTIN ANTHONY DA

Issuing Carrier's Agent Name and City

Accounting Information Service Level - N

Agent's IATA Code | Account No.

Airport of Departure (Addr. of First Carrier) and Requested Routing
DENVER

| To | By First Carrier | To | By | To | By | Currency | CHGS Code | WT/VAL PPD | WT/VAL COLL | Other PPD | Other COLL | Declared Value for Carriage | Declared Value for Customs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HOU | SOUTHWEST AIRLINES | | | | | USD | PP | X | | X | | NVD | |

Airport of Destination: HOU
Flight Date / For Carrier Use Only / Flight Date: WN2294 / 19SEP
Amount of Insurance
INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".

HANDLING INFORMATION - FIVE COOLER HAS ICE IN IT

SCI

| No. of Pieces RCP | Gross Weight | kg/lb | Rate Class | Commodity Item No. | Chargeable Weight | Rate / Charge | Total | Nature and Quantity of Goods (Inc. Dimensions or Volume) |
|---|---|---|---|---|---|---|---|---|
| 5 | 395 | L | B | 0000 | 395 | As Agreed | ******* | SOIL/WATER/AIR SAMPLES<br>DIMS IN INCHES:<br>5 = 13 X 15 X 23 |
| 5 | 395 | | | | | | ******* | |

Prepaid / Weight Charge / Collect

Other Charges and Description
MYC 0.00 SCC 0.00
Received: DA 9/19/25 23:00
Released: DA 9/20/25 03:00

Valuation Charge

Tax

Total Other Charges Due Agent

Total Other Charges Due Carrier

Shipper certifies that the particulars on the face hereof are correct and that **insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.** I consent that this shipment shall be subject to search by the Carrier.

RODERICK KAMIL LEE

Signature of Shipper or his Agent

******* 

Total Prepaid | Total Collect

09/19/2025 12:18 MDT DEN E81162

Currency Conversion Rates | CC Charges in Dest.Currency

Executed on (date and time) At (place) Signature of Issuing Carrier or its Agent

For Carriers Use only at Destination | Charges at Destination | Total Collect Charges

526 – 29638696

COPY 4 (DELIVERY RECEIPT)

# SGS Sample Receipt Summary

**Job Number:** da75444 **Client:** SGS CO **Project:** TASMCOA CACHE 8-13,24,34, CARNISH

**Date / Time Received:** 9/20/2025 **Delivery Method:** THWEST AIRLINES CAI **Airbill #'s:** 52629638696 0001-0005

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

| **Cooler Security** | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| **Cooler Temperature** | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | IR Gun | | |
| 3. Cooler media: | | | |
| 4. No. Coolers: | | | |

| **Quality Control Preservatio** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☐ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | | ☐ | ☐ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☐ |

| **Sample Integrity - Documentation** | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| **Sample Integrity - Condition** | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Broken / Leaking | | |

| **Sample Integrity - Instructions** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments RECEIVED 1 BROKEN 4OZ FOR FRCTION #7 SEP02-FL@3 9/18/25 @1213.

SM089-03
Rev. Date 12/7/17

8.1

8

## MS Volatiles

### QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

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

# Method Blank Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1I4557-MB | 1I122146.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | ND | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/kg | |
| 108-88-3 | Toluene | ND | 5.0 | ug/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | |
| | m,p-Xylene | ND | 2.0 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 200 | ug/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 120% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 38-183% |

# Method Blank Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1X7381-MB1 | 1X101340864.D | 1 | 10/02/25 | JY | n/a | n/a | V1X7381 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-1, DA75444-2, DA75444-3, DA75444-4

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | ND | 25 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 50 | ug/kg | |
| 108-88-3 | Toluene | ND | 250 | ug/kg | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 250 | ug/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 250 | ug/kg | |
| | m,p-Xylene | ND | 100 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 100 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 10000 | ug/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 77% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 81% | 38-183% |

# Method Blank Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1I4558-MB | 1I122177.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4558 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 71-43-2 | Benzene | ND | 0.50 | ug/kg | |
| 100-41-4 | Ethylbenzene | ND | 1.0 | ug/kg | |
| 108-88-3 | Toluene | 0.24 | 5.0 | ug/kg | J |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | |
| | m,p-Xylene | ND | 2.0 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 200 | ug/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 113% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 101% | 38-183% |

# Method Blank Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V2K4643-MB | 2K19943.D | 1 | 10/03/25 | PO | n/a | n/a | V2K4643 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-5, DA75444-6

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| | m,p-Xylene | ND | 2.0 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 1.0 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 2.0 | ug/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 119% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 38-183% |

# Method Blank Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1X7383-MB1 | 1X101340920.D | 1 | 10/03/25 | JY | n/a | n/a | V1X7383 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-1

| CAS No. | Compound | Result | RL | Units | Q |
|---|---|---|---|---|---|
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 250 | ug/kg | |
| | m,p-Xylene | ND | 100 | ug/kg | |
| 95-47-6 | o-Xylene | ND | 50 | ug/kg | |
| 1330-20-7 | Xylene (total) | ND | 100 | ug/kg | |
| | TPH-GRO (C6-C10) | ND | 10000 | ug/kg | |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 79% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 95% | 38-183% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1I4557-BS | 1I122141A.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |
| V1I4557-BSD | 1I122142.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | 20 | 21.0 | 105 | 21.3 | 107 | 1 | 67-135/30 |
| 100-41-4 | Ethylbenzene | 20 | 21.2 | 106 | 21.0 | 105 | 1 | 69-136/30 |
| 108-88-3 | Toluene | 20 | 18.8 | 94 | 18.9 | 95 | 1 | 71-135/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 21.3 | 107 | 21.0 | 105 | 1 | 50-153/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 21.8 | 109 | 21.5 | 108 | 1 | 51-153/30 |
| | m,p-Xylene | 40 | 42.2 | 106 | 42.0 | 105 | 0 | 70-140/30 |
| 95-47-6 | o-Xylene | 20 | 20.3 | 102 | 20.4 | 102 | 0 | 70-132/30 |
| 1330-20-7 | Xylene (total) | 60 | 62.5 | 104 | 62.4 | 104 | 0 | 69-138/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 116% | 116% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 98% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | 102% | 38-183% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1I4557-BS | 1I122143A.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |
| V1I4557-BSD | 1I122144.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| | TPH-GRO (C6-C10) | 2000 | 2330 | 117 | 2300 | 115 | 1 | 50-150/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 116% | 115% | 59-143% |
| 2037-26-5 | Toluene-D8 | 97% | 97% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 101% | 38-183% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1X7381-BS | 1X101340870A.D | 1 | 10/02/25 | JY | n/a | n/a | V1X7381 |
| V1X7381-BSD | 1X101340872.D | 1 | 10/02/25 | JY | n/a | n/a | V1X7381 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-1, DA75444-2, DA75444-3, DA75444-4

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| | TPH-GRO (C6-C10) | 100000 | 110000 | 110 | 109000 | 109 | 1 | 50-150/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 92% | 92% | 59-143% |
| 2037-26-5 | Toluene-D8 | 97% | 97% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 98% | 38-183% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1I4558-BS | 1I122172A.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4558 |
| V1I4558-BSD | 1I122173.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4558 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 71-43-2 | Benzene | 20 | 19.6 | 98 | 20.1 | 101 | 3 | 67-135/30 |
| 100-41-4 | Ethylbenzene | 20 | 19.8 | 99 | 20.1 | 101 | 2 | 69-136/30 |
| 108-88-3 | Toluene | 20 | 18.1 | 91 | 18.4 | 92 | 2 | 71-135/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20 | 20.3 | 102 | 20.5 | 103 | 1 | 50-153/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20 | 20.6 | 103 | 20.9 | 105 | 1 | 51-153/30 |
| | m,p-Xylene | 40 | 40.4 | 101 | 40.9 | 102 | 1 | 70-140/30 |
| 95-47-6 | o-Xylene | 20 | 19.8 | 99 | 20.0 | 100 | 1 | 70-132/30 |
| 1330-20-7 | Xylene (total) | 60 | 60.2 | 100 | 60.9 | 102 | 1 | 69-138/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 108% | 108% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 100% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 101% | 38-183% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1I4558-BS | 1I122174A.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4558 |
| V1I4558-BSD | 1I122175.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4558 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| | TPH-GRO (C6-C10) | 2000 | 2300 | 115 | 2290 | 115 | 0 | 50-150/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 112% | 110% | 59-143% |
| 2037-26-5 | Toluene-D8 | 98% | 98% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 101% | 38-183% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V2K4643-BS | 2K19938A.D | 1 | 10/02/25 | PO | n/a | n/a | V2K4643 |
| V2K4643-BSD | 2K19939.D | 1 | 10/02/25 | PO | n/a | n/a | V2K4643 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-5, DA75444-6

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| | m,p-Xylene | 40 | 46.5 | 116 | 46.1 | 115 | 1 | 70-140/30 |
| 95-47-6 | o-Xylene | 20 | 22.9 | 115 | 22.8 | 114 | 0 | 70-132/30 |
| 1330-20-7 | Xylene (total) | 60 | 69.4 | 116 | 68.9 | 115 | 1 | 69-138/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 103% | 105% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 99% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 103% | 38-183% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V1X7383-BS1 | 1X101340914A.D | 1 | 10/03/25 | JY | n/a | n/a | V1X7383 |
| V1X7383-BSD1 | 1X101340916.D | 1 | 10/03/25 | JY | n/a | n/a | V1X7383 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-1

| CAS No. | Compound | Spike ug/kg | BSP ug/kg | BSP % | BSD ug/kg | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| | TPH-GRO (C6-C10) | 100000 | 113000 | 113 | 117000 | 117 | 3 | 50-150/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 89% | 86% | 59-143% |
| 2037-26-5 | Toluene-D8 | 99% | 98% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 96% | 38-183% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| DA75428-1MS | 1I122148.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |
| DA75428-1MSD | 1I122149.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |
| DA75428-1 | 1I122147.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9

| CAS No. | Compound | DA75428-1 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 | < 0.51 | | 21.8 | 16.2 | 74 | 21 | 15.2 | 72 | 6 | 15-162/33 |
| 100-41-4 | Ethylbenzene | < 1.0 | | 21.8 | 13.9 | 64 | 21 | 12.9 | 61 | 7 | 14-168/13 |
| 108-88-3 | Toluene | < 5.1 | | 21.8 | 13.3 | 61 | 21 | 12.4 | 59 | 7 | 11-173/43 |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.1 | | 21.8 | 12.9 | 59* | 21 | 11.6 | 55* | 11 | 90-183/15 |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.1 | | 21.8 | 13.0 | 60 | 21 | 11.7 | 56 | 11 | 10-179/14 |
| | m,p-Xylene | < 2.0 | | 43.6 | 27.4 | 63 | 42 | 25.2 | 60 | 8 | 14-175/12 |
| 95-47-6 | o-Xylene | < 1.0 | | 21.8 | 13.8 | 63 | 21 | 12.9 | 61 | 7 | 19-167/13 |
| 1330-20-7 | Xylene (total) | < 2.0 | | 65.4 | 41.2 | 63 | 63 | 38.1 | 61 | 8 | 14-172/12 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75428-1 | Limits |
|---|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 118% | 122% | 125% | 59-143% |
| 2037-26-5 | Toluene-D8 | 98% | 98% | 99% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 102% | 101% | 38-183% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| DA75428-1MS | 1I122150.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |
| DA75428-1MSD | 1I122151.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |
| DA75428-1 | 1I122147.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4557 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9

| CAS No. | Compound | DA75428-1 ug/kg | Q | Spike ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TPH-GRO (C6-C10) | < 200 | | 2370 | 1660 | 70 | 2060 | 1230 | 60 | 30 | 50-150/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75428-1 | Limits |
|---|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 120% | 122% | 125% | 59-143% |
| 2037-26-5 | Toluene-D8 | 98% | 98% | 99% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 102% | 101% | 38-183% |

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| LB20685-1MS | 1X101340938.D | 1 | 10/03/25 | JY | n/a | n/a | V1X7383 |
| LB20685-1MSD | 1X101340940.D | 1 | 10/03/25 | JY | n/a | n/a | V1X7383 |
| LB20685-1 | 1X101340926.D | 1 | 10/03/25 | JY | n/a | n/a | V1X7383 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-1

| CAS No. | Compound | LB20685-1 ug/kg | Q | Spike ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95-63-6 | 1,2,4-Trimethylbenzene | 1240 | | 1960 | 2860 | 83* [a] | 1960 | 2960 | 88* [a] | 3 | 90-183/15 |
| | m,p-Xylene | 1130 | | 3920 | 4630 | 89 | 3920 | 4790 | 93 | 3 | 14-175/12 |
| 95-47-6 | o-Xylene | 545 | | 1960 | 2350 | 92 | 1960 | 2400 | 95 | 2 | 19-167/13 |
| 1330-20-7 | Xylene (total) | 1680 | | 5880 | 6990 | 90 | 5880 | 7190 | 94 | 3 | 14-172/12 |

| CAS No. | Surrogate Recoveries | MS | MSD | LB20685-1 | Limits |
|---|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 86% | 82% | 87% | 59-143% |
| 2037-26-5 | Toluene-D8 | 100% | 99% | 101% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 96% | 100% | 38-183% |

(a) Outside control limits due to matrix interference. Blank Spike meets acceptance criteria.

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| DA75386-1MS | 1I122732.D | 1 | 10/27/25 | PO | n/a | n/a | V1I4558 |
| DA75386-1MSD | 1I122733.D | 1 | 10/27/25 | PO | n/a | n/a | V1I4558 |
| DA75386-1 [a] | 1I122179.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4558 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | DA75386-1 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 | 10.1 | | 22.6 | 19.1 | 40 | 22.6 | 18.4 | 37 | 4 | 15-162/33 |
| 100-41-4 | Ethylbenzene | < 1.1 | | 22.6 | 19.2 | 85 | 22.6 | 17.9 | 79 | 7 | 14-168/13 |
| 108-88-3 | Toluene | 0.70 | | 22.6 | 18.2 | 77 | 22.6 | 17.8 | 76 | 2 | 11-173/43 |
| 95-63-6 | 1,2,4-Trimethylbenzene | < 5.6 | | 22.6 | 8.7 | 38* [b] | 22.6 | 4.5 | 20* [b] | 64* [c] | 90-183/15 |
| 108-67-8 | 1,3,5-Trimethylbenzene | < 5.6 | | 22.6 | 10.8 | 48 | 22.6 | 6.4 | 28 | 51* [b] | 10-179/14 |
| | m,p-Xylene | < 2.3 | | 45.2 | 35.8 | 79 | 45.2 | 32.4 | 72 | 10 | 14-175/12 |
| 95-47-6 | o-Xylene | < 1.1 | | 22.6 | 18.1 | 80 | 22.6 | 17.1 | 76 | 6 | 19-167/13 |
| 1330-20-7 | Xylene (total) | < 2.3 | | 67.8 | 53.9 | 80 | 67.8 | 49.4 | 73 | 9 | 14-172/12 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75386-1 | Limits |
|---|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 93% | 93% | 142% | 59-143% |
| 2037-26-5 | Toluene-D8 | 99% | 99% | 98% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | 99% | 106% | 38-183% |

(a) Sample analyzed beyond hold time due to internal standard and/or surrogate failures in the in hold analysis.
(b) Outside control limits biased low. Blank spike passed criteria.
(c) RPD exceeded criteria. Blank spike passed criteria.

* = Outside of Control Limits.

# Matrix Spike/Matrix Spike Duplicate Summary



**Job Number:** DA75444
**Account:** ALMS SGS Wheat Ridge, CO
**Project:** CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| DA75386-1MS | 1I122734.D | 1 | 10/27/25 | PO | n/a | n/a | V1I4558 |
| DA75386-1MSD | 1I122735.D | 1 | 10/27/25 | PO | n/a | n/a | V1I4558 |
| DA75386-1 [a] | 1I122179.D | 1 | 10/02/25 | PO | n/a | n/a | V1I4558 |

**The QC reported here applies to the following samples:** **Method:** SW846 8260D

DA75444-10, DA75444-11, DA75444-12

| CAS No. | Compound | DA75386-1 ug/kg | Q | Spike ug/kg | MS ug/kg | MS % | Spike ug/kg | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TPH-GRO (C6-C10) | 675 | | 2260 | 695 | 1* [b] | 2260 | 916 | 11* [b] | 27 | 50-150/30 |

| CAS No. | Surrogate Recoveries | MS | MSD | DA75386-1 | Limits |
|---|---|---|---|---|---|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96% | 92% | 142% | 59-143% |
| 2037-26-5 | Toluene-D8 | 99% | 99% | 98% | 52-159% |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 98% | 106% | 38-183% |

(a) Sample analyzed beyond hold time due to internal standard and/or surrogate failures in the in hold analysis.
(b) Outside control limits biased low. Blank spike passed criteria.

* = Outside of Control Limits.

## Metals Analysis

### QC Data Summaries

(SGS Scott, LA)

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: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP31721
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/29/25

| Metal | RL | IDL | MDL | MB raw | final |
|---|---|---|---|---|---|
| Calcium | 100 | 4.5 | 32 | 9.9 | <100 |
| Magnesium | 100 | 24 | 40 | 4.9 | <100 |
| Sodium | 500 | 33 | 120 | -38 | <500 |

Associated samples MP31721: DA75444-1A, DA75444-2A, DA75444-3A, DA75444-4A, DA75444-5A, DA75444-6A, DA75444-7A, DA75444-8A, DA75444-9A, DA75444-10A, DA75444-11A, DA75444-12A

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: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP31721
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/29/25

| Metal | DA75444-10A Original | DUP | RPD | QC Limits |
|---|---|---|---|---|
| Calcium | 44500 | 43700 | 1.8 | 0-20 |
| Magnesium | 7760 | 7600 | 2.1 | 0-20 |
| Sodium | 24000 | 24100 | 0.4 | 0-20 |

Associated samples MP31721: DA75444-1A, DA75444-2A, DA75444-3A, DA75444-4A, DA75444-5A, DA75444-6A, DA75444-7A, DA75444-8A, DA75444-9A, DA75444-10A, DA75444-11A, DA75444-12A

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: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

QC Batch ID: MP31721
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/29/25

| Metal | BSP Result | Spikelot LA29BSPIKE | % Rec | QC Limits |
|---|---|---|---|---|
| Calcium | 4360 | 4000 | 109.0 | 80-120 |
| Magnesium | 2180 | 2000 | 109.0 | 80-120 |
| Sodium | 105000 | 100000 | 105.0 | 80-120 |

Associated samples MP31721: DA75444-1A, DA75444-2A, DA75444-3A, DA75444-4A, DA75444-5A, DA75444-6A, DA75444-7A, DA75444-8A, DA75444-9A, DA75444-10A, DA75444-11A, DA75444-12A

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

## Misc. Forms

### Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY



SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

FED-EX Tracking #: 7444 9078 6539 | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA75444

| Client / Reporting Information | Project Information | Requested Analysis ( see TEST CODE sheet) | Matrix Codes |
|---|---|---|---|
| Company Name: SGS North America Inc. | Project Name: TASMCOA:Cache 8-13,24,34,Carnish 8-53 | | DW - Drinking Water<br>GW - Ground Water<br>WW - Water<br>SW - Surface Water<br>SO - Soil<br>SL- Sludge<br>SED-Sediment<br>OI - Oil<br>LIQ - Other Liquid<br>AIR - Air<br>SOL - Other Solid<br>WP - Wipe<br>FB-Field Blank<br>EB-Equipment Blank<br>RB- Rinse Blank<br>TB-Trip Blank |
| Street Address: 4036 Youngfield Street | Street: | Billing Information ( if different from Report to) | |
| City: Wheat Ridge, State: CO, Zip: 8003 | City: State: | Company Name: | |
| Project Contact: E-mail: parna.eskandaripayandeh@sgs.com | Project #: | Street Address: | |
| Phone #: 303-425-6021 Fax # | Client Purchase Order #: | City: State: Zip: | |
| Sampler(s) Name(s): SW Phone | Project Manager: | Attention: | |

| SGS Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | Number of preserved Bottles: HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | XCRA7199 | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AST01@0-6" | | 9/18/25 | 11:00:00 AM | SW | SO | | | | | | | | | | X | |
| 2 | AST02@0-6" | | 9/18/25 | 11:02:00 AM | SW | SO | | | | | | | | | | X | |
| 3 | AST03@0-6" | | 9/18/25 | 11:04:00 AM | SW | SO | | | | | | | | | | X | |
| 4 | AST04@0-6" | | 9/18/25 | 11:06:00 AM | SW | SO | | | | | | | | | | X | |
| 5 | AST05@0-6" | | 9/18/25 | 11:08:00 AM | SW | SO | | | | | | | | | | X | |
| 6 | SEP01-FL@3' | | 9/18/25 | 12:12:00 PM | SW | SO | | | | | | | | | | X | |
| 7 | SEP02-FL@3' | | 9/18/25 | 12:13:00 PM | SW | SO | | | | | | | | | | X | |
| 8 | SEP03-FL@3' | | 9/18/25 | 12:14:00 PM | SW | SO | | | | | | | | | | X | |
| 9 | SEP04-FL@3' | | 9/18/25 | 12:15:00 PM | SW | SO | | | | | | | | | | X | |
| 10 | PWV01-B@4' | | 9/18/25 | 1:30:00 PM | SW | SO | | | | | | | | | | X | |
| 11 | PWV01-N@2' | | 9/18/25 | 1:32:00 PM | SW | SO | | | | | | | | | | X | |
| 12 | PWV01-W@2' | | 9/18/25 | 1:38:00 PM | SW | SO | | | | | | | | | | X | |

Turnaround Time ( Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 9/29/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" ( Level 2)
- [ ] REDT1 ( Level 3)
- [ ] FULT1 ( Level 4)
- [X] Commercial "C" CC
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

**Sample Custody must be documented below each time samples change possession, including courier delivery.**

| Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|
| 1 | 9/19/25 | 1 FX | 2 FX | 9/20/25 9:30 | 2 |
| Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
| 3 | | 3 | 4 | | 4 |
| Relinquished by: | Date Time: | Received By: | Custody Seal # ☐ Intact ☐ Not intact | Preserved where applicable ☐ Therm ID: | On Ice ☐ Cooler Temp. 2.0 IR50 |
| 5 | | 5 | | | |

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DA75444: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

# SGS Sample Receipt Summary

**Job Number:** da75444 **Client:** **Project:**

**Date / Time Received:** 9/20/2025 9:30:00 AM **Delivery Method:** FED EX **Airbill #'s:** 7444 9078 6539

**Cooler Temps (Raw Measured) °C:** Cooler 1: (2.0);

**Cooler Temps (Corrected) °C:** Cooler 1: (2.1);

| Cooler Security | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| Cooler Temperature | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | IR-50 | | |
| 3. Cooler media: | Ice (Bag) | | |
| 4. No. Coolers: | 1 | | |

| Quality Control Preservation | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☑ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | | ☑ | ☐ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☑ |

| Sample Integrity - Documentation | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| Sample Integrity - Condition | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Intact | | |

| Sample Integrity - Instructions | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

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**DA75444: Chain of Custody**
**Page 2 of 2**

## General Chemistry

### QC Data Summaries

(SGS Dayton, NJ)

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: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Analyte | Batch ID | RL | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|---|---|---|---|---|---|---|---|---|
| Chromium, Hexavalent | GP64687/GN74923 | 0.40 | 0.0 | mg/kg | 40 | 39.7 | 99.3 | 80-120% |
| Chromium, Hexavalent | GP64687/GN74923 | | | mg/kg | 914 | 804 | 88.0 | 80-120% |

Associated Samples:
Batch GP64687: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Analyte | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|---|---|---|---|---|---|---|---|
| Chromium, Hexavalent | GP64687/GN74923 | DA75440-14 | mg/kg | 0.35 | 0.34 | 2.9 | 0-20% |

Associated Samples:
Batch GP64687: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Analyte | Batch ID | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec | QC Limits |
|---|---|---|---|---|---|---|---|---|
| Chromium, Hexavalent | GP64687/GN74923 | DA75440-14 | mg/kg | 0.35 | 42.6 | 18.6 | 42.9N(a) | 75-125% |
| Chromium, Hexavalent | GP64687/GN74923 | DA75440-14 | mg/kg | 0.35 | 1080 | 1090 | 100.9(b) | 75-125% |

Associated Samples:
Batch GP64687: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Soluble XCR matrix spike recovery indicates possible matrix interference. Good post spike recovery (106%) on this sample.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

## Misc. Forms

### Custody Documents and Other Forms

(SGS Scott, LA)

Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY



SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA75444

**Client / Reporting Information**

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City State Zip: Wheat Ridge, CO 8003
Project Contact: E-mail: parna.eskandaripayandeh@sgs.com
Phone #: 303-425-6021 Fax #:
Sampler(s) Name(s): SW Phone:

**Project Information**

Project Name: TASMCOA:Cache 8-13,24,34,Carnish 8-53
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

**Billing Information ( if different from Report to)**

Company Name:
Street Address:
City State Zip:
Attention:

**Requested Analysis ( see TEST CODE sheet)**

Matrix Codes: 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

| SGS Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | Number of preserved Bottles: HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | PASTE_SAR_SARCA_SARMG_SARNA_ | PH-SATPASTE_SCON_V8260TI915_V8260TGRG_V | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AST01@0-6" | | 9/18/25 | 11:00:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 1A | AST01@0-6" | | 9/18/25 | 11:00:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 2 | AST02@0-6" | | 9/18/25 | 11:02:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 2A | AST02@0-6" | | 9/18/25 | 11:02:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 3 | AST03@0-6" | | 9/18/25 | 11:04:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 3A | AST03@0-6" | | 9/18/25 | 11:04:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 4 | AST04@0-6" | | 9/18/25 | 11:06:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 4A | AST04@0-6" | | 9/18/25 | 11:06:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 5 | AST05@0-6" | | 9/18/25 | 11:08:00 AM | SW | SO | | | | | | | | | | | X | 1 |
| 5A | AST05@0-6" | | 9/18/25 | 11:08:00 AM | SW | SO | | | | | | | | | | X | | 1 |
| 6 | SEP01-FL@3' | | 9/18/25 | 12:12:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 6A | SEP01-FL@3' | | 9/18/25 | 12:12:00 PM | SW | SO | | | | | | | | | | X | | 1 |

Turnaround Time ( Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 9/29/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" ( Level 2)
- [ ] REDT1 ( Level 3)
- [ ] FULT1 ( Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [X] CC

Commercial "A" = Results Onl
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions: WS-104 VS (9) YL-58 MDS

http://www.sgs.com/en/terms-and-conditions

**Sample Custody must be documented below each time samples change possession, including courier delivery.**

| | Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|---|
| 1 | | 9.19.25 3:00 | 1 SWC | 2 SWC | 9.19.25 3:00 | 2 D.A. |
| 3 | JA | 9.20.25 8:15 | 3 | 4 | | 4 |
| 5 | Relinquished by: | Date Time: | Received By: 5 | Custody Seal # CS COOLER | Intact / Not intact | Preserved where applicable / Therm. ID: IR004 / On Ice / Cooler Temp. 1.8 1.4 1.2 1.6 2.1 |

13.1 13

# CHAIN OF CUSTODY

SGS North America Inc. - Wheat Ridge
4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA75444

**Client / Reporting Information**

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City State Zip: Wheat Ridge, CO 8003
Project Contact E-mail: parna.eskandaripayandeh@sgs.com
Phone # Fax #: 303-425-6021
Sampler(s) Name(s) Phone: SW

**Project Information**

Project Name: TASMCOA:Cache 8-13,24,34,Carnish 8-33
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

**Billing Information ( if different from Report to)**

Company Name:
Street Address:
City State Zip:
Attention:

**Requested Analysis ( see TEST CODE sheet)**

**Matrix Codes**

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OL - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

| SGS Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection Date | Collection Time | Sampled by | Matrix | # of bottles | Number of preserved Bottles: HCl | NaOH | HNO3 | H2SO4 | NONE | DI Water | MEOH | ENCORE | PASTE_SAR_SARCA_SARMG_SARNA_ | PH-SATPASTE_SCON_V8260RG_V8260T915 | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | SEP02-FL@3' | | 9/18/25 | 12:13:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 7A | SEP02-FL@3' | | 9/18/25 | 12:13:00 PM | SW | SO | | | | | | | | | | X | | |
| 8 | SEP03-FL@3' | | 9/18/25 | 12:14:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 8A | SEP03-FL@3' | | 9/18/25 | 12:14:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 9 | SEP04-FL@3' | | 9/18/25 | 12:15:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 9A | SEP04-FL@3' | | 9/18/25 | 12:15:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 10 | PWV01-B@4' | | 9/18/25 | 1:30:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 10A | PWV01-B@4' | | 9/18/25 | 1:30:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 11 | PWV01-N@2' | | 9/18/25 | 1:32:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 11A | PWV01-N@2' | | 9/18/25 | 1:32:00 PM | SW | SO | | | | | | | | | | X | | 1 |
| 12 | PWV01-W@2' | | 9/18/25 | 1:38:00 PM | SW | SO | | | | | | | | | | | X | 1 |
| 12A | PWV01-W@2' | | 9/18/25 | 1:38:00 PM | SW | SO | | | | | | | | | | X | | 1 |

**Turnaround Time ( Business days)**

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
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Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

**Data Deliverable Information**

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" ( Level 2)
- [ ] REDT1 ( Level 3)
- [ ] FULT1 ( Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [X] CC

Commercial "A" = Results Onl
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

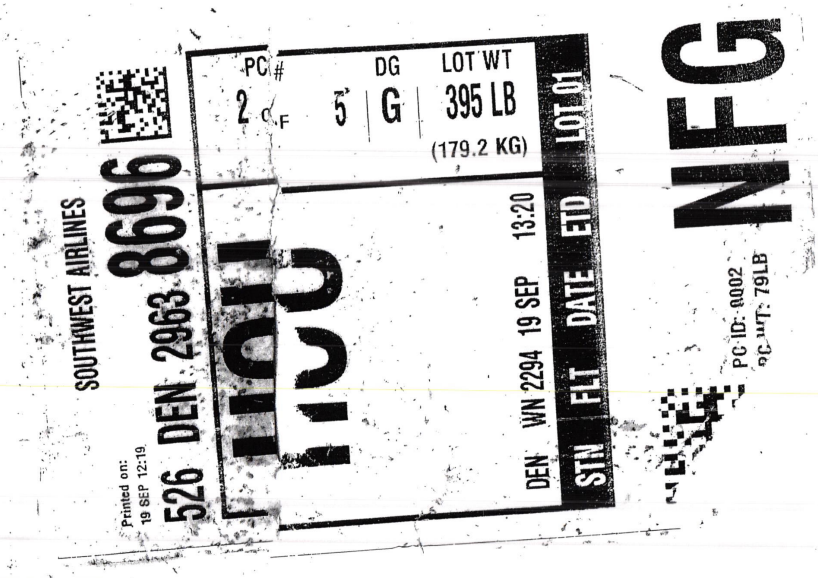
**Comments / Special Instructions**

http://www.sgs.com/en/terms-and-conditions

**Sample Custody must be documented below each time samples change possession, including courier delivery.**

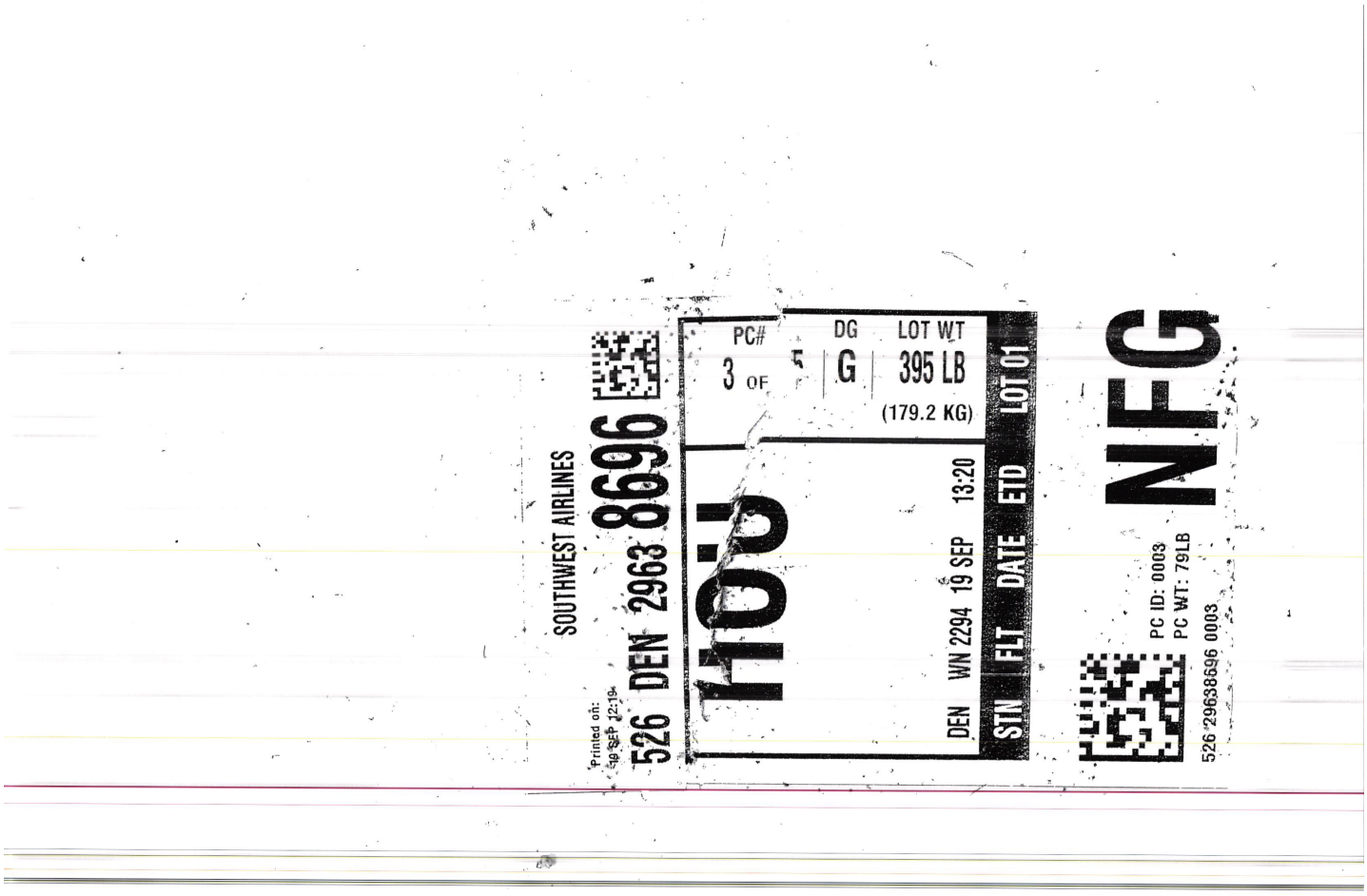
| | Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|---|
| 1 | | 9/19/25 | SWC | SWC | 9/19/25 200 | DA |
| 2 | | | | | | |
| 3 | DA | 9/20/25 300 | Ronnie Smm | 9/20/25 815 | | |
| 4 | | | | | | |
| 5 | Relinquished by: | Date Time: | Received By: | Custody Seals | Preserved where applicable | On Ice / Cooler Temp. |
| | | | | Intact / Not intact | Therm. ID: IR02 | 1.8 1.4 1.2 1.6 2.1 |

**DA75444: Chain of Custody**
**Page 3 of 9**



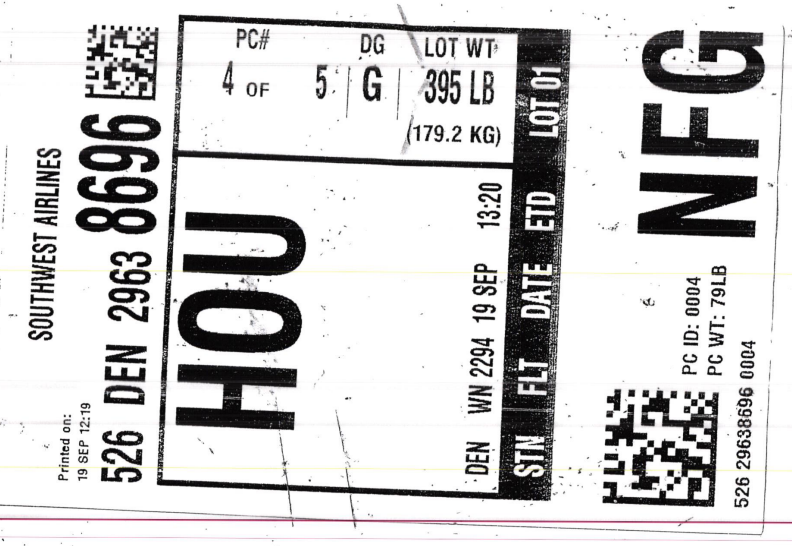



**DA75444: Chain of Custody**
**Page 4 of 9**



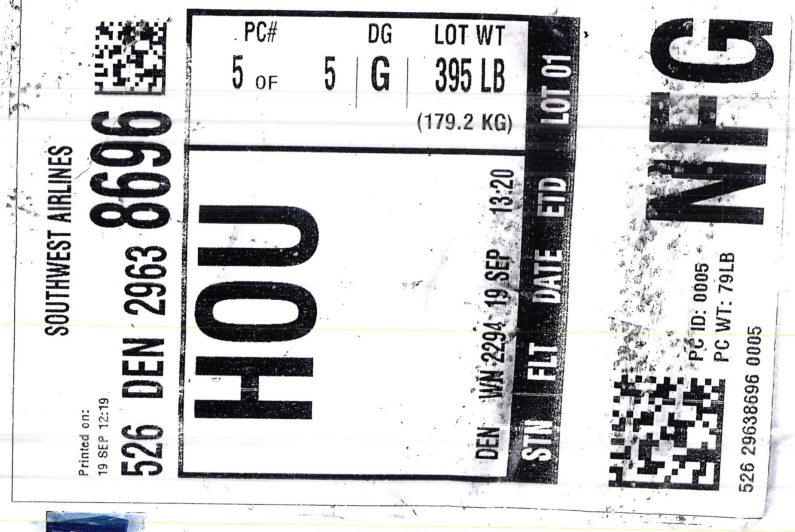

13.1 13

**DA75444: Chain of Custody**
**Page 5 of 9**






**DA75444: Chain of Custody**
**Page 6 of 9**




Southwest Cargo

13.1

13

**DA75444: Chain of Custody**
**Page 7 of 9**

526 | DEN | 29638696 526 – 29638696

Shipper's Name and Address
PRECISION AIR CARGO
P.O. BOX 5688
DENVER, CO 80217
US +1 (303) 576-0020

Shipper's Account Number
30495 - 1

Not Negotiable / Issued by
52629638696
Southwest Cargo
swacargo.com (800) 533-1222

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

Consignee's Name and Address
SGS
10175 HARWIN DRIVE
HOUSTON, TX 77036
US +1 (281) 881-1457

Consignee's Account Number

Received in Good Order & Condition at:
HOU - 5 pcs 09/19/2025 23:31 CDT by DUSTIN ANTHONY DA

Issuing Carrier's Agent Name and City

Accounting Information Service Level - N

Agent's IATA Code | Account No.

Airport of Departure (Addr. of First Carrier) and Requested Routing
DENVER

| To | By First Carrier | To | By | To | By | Currency | CHGS Code | WT/VAL PPD | WT/VAL COLL | Other PPD | Other COLL | Declared Value for Carriage | Declared Value for Customs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HOU | SOUTHWEST AIRLINES | | | | | USD | PP | X | | X | | NVD | |

Airport of Destination: HOU
Flight Date / For Carrier Use Only / Flight Date: WN2294 / 19SEP
Amount of Insurance
INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".

HANDLING INFORMATION - FIVE COOLER HAS ICE IN IT

SCI

| No. of Pieces RCP | Gross Weight | kg/lb | Rate Class | Commodity Item No. | Chargeable Weight | Rate / Charge | Total | Nature and Quantity of Goods (Inc. Dimensions or Volume) |
|---|---|---|---|---|---|---|---|---|
| 5 | 395 | L | B | 0000 | 395 | As Agreed | ******* | SOIL/WATER/AIR SAMPLES<br>DIMS IN INCHES:<br>5 = 13 X 15 X 23 |
| 5 | 395 | | | | | | ******* | |

Prepaid / Weight Charge / Collect

Valuation Charge

Tax

Total Other Charges Due Agent

Total Other Charges Due Carrier

*******

Total Prepaid | Total Collect

Currency Conversion Rates | CC Charges in Dest.Currency

For Carriers Use only at Destination | Charges at Destination | Total Collect Charges

Other Charges and Description
MYC 0.00 SCC 0.00
Received: DA 9/19/25 23:00
Released: DA 9/20/25 03:00

Shipper certifies that the particulars on the face hereof are correct and that **insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.** I consent that this shipment shall be subject to search by the Carrier.

RODERICK KAMIL LEE

Signature of Shipper or his Agent

09/19/2025 12:18 MDT DEN E81162

Executed on (date and time) At (place) Signature of Issuing Carrier or its Agent

526 – 29638696

COPY 4 (DELIVERY RECEIPT)

DA75444: Chain of Custody
Page 8 of 9

# SGS Sample Receipt Summary

**Job Number:** da75444 **Client:** SGS CO **Project:** TASMCOA CACHE 8-13,24,34, CARNISH

**Date / Time Received:** 9/20/2025 **Delivery Method:** THWEST AIRLINES CAI **Airbill #'s:** 52629638696 0001-0005

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

| **Cooler Security** | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| **Cooler Temperature** | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☑ | | ☐ |
| 2. Cooler temp verification: | IR Gun | | |
| 3. Cooler media: | | | |
| 4. No. Coolers: | | | |

| **Quality Control Preservatio** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☐ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | | ☐ | ☐ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☐ |

| **Sample Integrity - Documentation** | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| **Sample Integrity - Condition** | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Broken / Leaking | | |

| **Sample Integrity - Instructions** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Test Strip Lot #s: pH 1-12: pH 12+: Other: (Specify)

Comments RECEIVED 1 BROKEN 4OZ FOR FRCTION #7 SEP02-FL@3 9/18/25 @1213.

SM089-03
Rev. Date 12/7/17



**DA75444: Chain of Custody**
**Page 9 of 9**

## General Chemistry

### QC Data Summaries

(SGS Scott, LA)

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: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Analyte | Batch ID | RL | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|---|---|---|---|---|---|---|---|---|
| Specific Conductivity | GN34614 | | | mmhos/cm | xxxxxxxx | 1.4 | 99.3 | 90-110% |
| pH | GN34578 | | | su | xxxxxxx | 7.00 | 100.0 | 99.1-100.9% |
| pH | GN34579 | | | su | xxxxxxx | 7.02 | 100.3 | 99.1-100.9% |

Associated Samples:
Batch GN34578: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11
Batch GN34579: DA75444-12
Batch GN34614: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75444
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA:Cache 8-13,24,34,Cornish 8-53

| Analyte | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|---|---|---|---|---|---|---|---|
| Specific Conductivity | GN34614 | DA75444-12 | mmhos/cm | 0.32 | 0.32 | 2.0 | 0-10% |
| Specific Conductivity | GN34614 | DA75444-10 | mmhos/cm | 0.21 | 0.22 | 4.3 | 0-10% |
| pH | GN34578 | DA75444-2 | su | 8.82 | 8.81 | 0.1 | 0-20% |
| pH | GN34579 | DA75444-12 | su | 8.33 | 8.32 | 0.1 | 0-20% |

Associated Samples:
Batch GN34578: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11
Batch GN34579: DA75444-12
Batch GN34614: DA75444-1, DA75444-2, DA75444-3, DA75444-4, DA75444-5, DA75444-6, DA75444-7, DA75444-8, DA75444-9, DA75444-10, DA75444-11, DA75444-12
(*) Outside of QC limits