

Appendix B. Analytical QC Tables

Hobbs, W., K. Bailey, J. Protasio and C. Frans. 2024. Guidance for the WDOE NWTPH-Dx Method for Testing Groundwater: Silica Gel Cleanup Protocol Revision. Publication 24-03-001. Washington State Department of Ecology, Olympia.

<https://apps.ecology.wa.gov/publications/SummaryPages/2403001.html>.

Table B-1. Quality control samples for the MEL NWTPH-Dx analysis. Pass/Fail is based on the comparison with project MQOs.

| Sample ID | QC type | Analyte | Result | Qualifier | Units | RPD | Pass/Fail | Notes |
|--------------|---------------|---------------|--------|-----------|-------|-----|-----------|---|
| B22H216-BLK1 | Method Blank | #2 Diesel | 0.15 | U | mg/L | N/A | pass | — |
| B22H216-BLK1 | Method Blank | Lube Oil | 0.38 | U | mg/L | N/A | pass | — |
| B22H216-BLK1 | Method Blank | Pentacosane | 84 | — | % | N/A | pass | — |
| B22H216-BS1 | LCS | #2 Diesel | 82 | — | % | N/A | pass | — |
| B22H216-BS1 | LCS | Pentacosane | 113 | — | % | N/A | pass | — |
| B22H216-BSD1 | LCS Duplicate | #2 Diesel | 88 | — | % | N/A | pass | — |
| B22H216-BSD1 | LCS Duplicate | Pentacosane | 126 | — | % | N/A | pass | — |
| B22C089-BLK1 | Method Blank | Lube Oil | 0.26 | J | mg/L | N/A | pass | — |
| B22C089-BLK1 | Method Blank | Pentacosane | 123 | — | % | N/A | pass | — |
| B22C089-BLK1 | Method Blank | #2 Diesel | 0.12 | J | mg/L | N/A | pass | — |
| B22C089-BLK1 | Method Blank | Decanoic acid | 123 | — | % | N/A | fail | uncleaned sample (expected fail) |
| B22C089-BLK2 | Method Blank | #2 Diesel | 0.09 | J | mg/L | N/A | pass | — |
| B22C089-BLK2 | Method Blank | Decanoic acid | 23 | — | % | N/A | fail | run using free-flowing SGC method (expected fail) |
| B22C089-BLK2 | Method Blank | Lube Oil | 0.12 | J | mg/L | N/A | pass | — |
| B22C089-BLK2 | Method Blank | Pentacosane | 94 | — | % | N/A | pass | — |
| B22C089-BLK3 | Method Blank | Lube Oil | 0.17 | J | mg/L | N/A | pass | — |
| B22C089-BLK3 | Method Blank | Pentacosane | 96 | — | % | N/A | pass | — |
| B22C089-BLK3 | Method Blank | #2 Diesel | 0.09 | J | mg/L | N/A | pass | — |
| B22C089-BLK3 | Method Blank | Decanoic acid | 0 | NAF | % | N/A | pass | — |
| B22C089-BLK4 | Method Blank | #2 Diesel | 0.13 | J | mg/L | N/A | pass | — |
| B22C089-BLK4 | Method Blank | Decanoic acid | 0 | NAF | % | N/A | pass | — |
| B22C089-BLK4 | Method Blank | Lube Oil | 0.17 | J | mg/L | N/A | pass | — |
| B22C089-BLK4 | Method Blank | Pentacosane | 96 | — | % | N/A | pass | — |
| B22C089-BS1 | LCS | #2 Diesel | 111 | — | % | N/A | pass | — |
| B22C089-BS1 | LCS | Decanoic acid | 128 | — | % | N/A | fail | uncleaned sample (expected fail) |
| B22C089-BS1 | LCS | Pentacosane | 115 | — | % | N/A | pass | — |
| B22C089-BS2 | LCS | #2 Diesel | 96 | — | % | N/A | pass | — |
| B22C089-BS2 | LCS | Decanoic acid | 17 | — | % | N/A | fail | run using free-flowing SGC method (expected fail) |
| B22C089-BS2 | LCS | Pentacosane | 105 | — | % | N/A | pass | — |
| B22C089-BS3 | LCS | #2 Diesel | 93 | — | % | N/A | pass | — |
| B22C089-BS3 | LCS | Decanoic acid | 0 | NAF | % | N/A | pass | — |
| B22C089-BS3 | LCS | Pentacosane | 101 | — | % | N/A | pass | — |

| Sample ID | QC type | Analyte | Result | Qualifier | Units | RPD | Pass/Fail | Notes |
|--------------|---------------|---------------|--------|-----------|-------|------|-----------|---|
| B22C089-BS4 | LCS | Decanoic acid | 0 | NAF | % | N/A | pass | — |
| B22C089-BS4 | LCS | Pentacosane | 97 | — | % | N/A | pass | — |
| B22C089-BS4 | LCS | #2 Diesel | 93 | — | % | N/A | pass | — |
| B22C089-BSD1 | LCS Duplicate | #2 Diesel | 105 | — | % | 6 | pass | — |
| B22C089-BSD1 | LCS Duplicate | Decanoic acid | 121 | — | % | | fail | uncleaned sample (expected fail) |
| B22C089-BSD1 | LCS Duplicate | Pentacosane | 109 | — | % | N/A | pass | — |
| B22C089-BSD2 | LCS Duplicate | Pentacosane | 96 | — | % | N/A | pass | — |
| B22C089-BSD2 | LCS Duplicate | Decanoic acid | 18 | — | % | N/A | fail | run using free-flowing SGC method (expected fail) |
| B22C089-BSD2 | LCS Duplicate | #2 Diesel | 87 | — | % | 10 | pass | — |
| B22C089-BSD3 | LCS Duplicate | #2 Diesel | 93 | — | % | 0.04 | pass | — |
| B22C089-BSD3 | LCS Duplicate | Decanoic acid | 0 | NAF | % | N/A | pass | — |
| B22C089-BSD3 | LCS Duplicate | Pentacosane | 102 | — | % | N/A | pass | — |
| B22C089-BSD4 | LCS Duplicate | Pentacosane | 95 | — | % | N/A | pass | — |
| B22C089-BSD4 | LCS Duplicate | Decanoic acid | 0 | NAF | % | N/A | pass | — |
| B22C089-BSD4 | LCS Duplicate | #2 Diesel | 93 | — | % | 0.08 | pass | — |

QC = quality control; MQO = measurement quality objectives; N/A = not applicable; RPD = relative percent difference; Qualifiers: U = analyte not detected above the PQL (practical quantitation limit), J = analyte detected but the result is an estimate, NAF = not affected.

Table B-2. Quality control samples for the MEL-analyzed supplemental parameters. Pass/Fail is based on the comparison with project MQOs.

| Sample ID | Analyte | Result | Units | Qualifier | Method | RPD | QC type | Pass/Fail |
|--------------|--------------------------------|--------|-------|-----------|------------|-----|--------------|-----------|
| B22C086-BLK1 | Calcium | 0.05 | mg/L | U | EPA200.7 | N/A | method blank | pass |
| B22C086-BLK1 | Potassium | 0.5 | mg/L | U | EPA200.7 | N/A | method blank | pass |
| B22C086-BLK1 | Magnesium | 0.05 | mg/L | U | EPA200.7 | N/A | method blank | pass |
| B22C086-BLK1 | Sodium | 0.05 | mg/L | U | EPA200.7 | N/A | method blank | pass |
| B22C084-BLK1 | Chromium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Cadmium | 0.02 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Silver | 0.02 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Arsenic | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Beryllium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Copper | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Nickel | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Lead | 0.02 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Antimony | 0.2 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Thallium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK1 | Zinc | 1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C036-BLK1 | Bromide | 0.025 | mg/L | U | EPA300.0 | N/A | method blank | pass |
| B22C036-BLK1 | Chloride | 0.1 | mg/L | U | EPA300.0 | N/A | method blank | pass |
| B22C036-BLK1 | Fluoride | 0.1 | mg/L | U | EPA300.0 | N/A | method blank | pass |
| B22C036-BLK1 | Sulfate | 0.3 | mg/L | U | EPA300.0 | N/A | method blank | pass |
| B22C065-BLK1 | Benzene, 1,4-dibromo-2-methyl- | 100 | % | — | NWTPH-GX | N/A | method blank | pass |
| B22C065-BLK1 | 1,4-Difluorobenzene | 100 | % | — | NWTPH-GX | N/A | method blank | pass |
| B22C065-BLK1 | Gasoline | 0.07 | mg/L | U | NWTPH-GX | N/A | method blank | pass |
| B22C086-BLK1 | Hardness as CaCO3 | 0.3 | mg/L | U | SM2340B | N/A | method blank | pass |
| B22C052-BLK1 | Ammonia | 0.01 | mg/L | U | SM4500NH3H | N/A | method blank | pass |
| B22C052-BLK1 | Nitrate-Nitrite as N | 0.01 | mg/L | U | SM4500NO3I | N/A | method blank | pass |
| B22C091-BLK1 | Dissolved Organic Carbon | 0.5 | mg/L | U | SM5310B | N/A | method blank | pass |
| B22C070-BLK1 | Toluene | 1 | ug/L | U | SW8021B | N/A | method blank | pass |
| B22C070-BLK1 | 1,4-Difluorobenzene | 105 | % | — | SW8021B | N/A | method blank | pass |
| B22C070-BLK1 | Benzene | 1 | ug/L | U | SW8021B | N/A | method blank | pass |
| B22C070-BLK1 | Benzene, 1,4-dibromo-2-methyl- | 103 | % | — | SW8021B | N/A | method blank | pass |

| Sample ID | Analyte | Result | Units | Qualifier | Method | RPD | QC type | Pass/Fail |
|--------------|------------------------|--------|-------|-----------|------------|-----|--------------|-----------|
| B22C070-BLK1 | Ethylbenzene | 1 | ug/L | U | SW8021B | N/A | method blank | pass |
| B22C070-BLK1 | m,p-Xylene | 2 | ug/L | U | SW8021B | N/A | method blank | pass |
| B22C070-BLK1 | o-Xylene | 1 | ug/L | U | SW8021B | N/A | method blank | pass |
| B22C074-BLK1 | Terphenyl-D14 | 114 | % | — | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Retene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Pyrene-D10 | 110 | % | — | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Pyrene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Phenanthrene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Benzo(k)fluoranthene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Carbazole | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Chrysene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Dibenzo(a,h)anthracene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Dibenzofuran | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Fluoranthene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Fluorene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Fluorene-D10 | 88 | % | — | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Indeno(1,2,3-cd)pyrene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Anthracene-D10 | 89 | % | — | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Benz[a]anthracene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Benzo(a)pyrene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Benzo(a)pyrene-D12 | 101 | % | — | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Benzo(b)fluoranthene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Benzo(ghi)perylene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Naphthalene | 0.0149 | ug/L | J | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | 1-Methylnaphthalene | 0.0028 | ug/L | J | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | 2-Chloronaphthalene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | 2-Fluorobiphenyl | 96 | % | — | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | 2-Methylnaphthalene | 0.0044 | ug/L | J | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Acenaphthene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Acenaphthylene | 0.05 | ug/L | U | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Acenaphthylene-D8 | 85 | % | — | SW8270ESIM | N/A | method blank | pass |
| B22C074-BLK1 | Anthracene | 0.05 | ug/L | U | SW8270ESIM | NA | method blank | pass |
| B22C084-BLK2 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |

| Sample ID | Analyte | Result | Units | Qualifier | Method | RPD | QC type | Pass/Fail |
|--------------|--------------------------|--------|-------|-----------|----------|-----|--------------|-----------|
| B22C084-BLK3 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK4 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK5 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK6 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK7 | Antimony | 0.2 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK7 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK7 | Thallium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK7 | Beryllium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK8 | Beryllium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK8 | Antimony | 0.2 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK8 | Selenium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C084-BLK8 | Thallium | 0.1 | ug/L | U | EPA200.8 | N/A | method blank | pass |
| B22C091-BS1 | Dissolved Organic Carbon | 97 | % | — | SM5310B | N/A | LCS | pass |
| B22C086-BS1 | Magnesium | 105 | % | — | EPA200.7 | N/A | LCS | pass |
| B22C086-BS1 | Sodium | 103 | % | — | EPA200.7 | N/A | LCS | pass |
| B22C086-BS1 | Calcium | 103 | % | — | EPA200.7 | N/A | LCS | pass |
| B22C086-BS1 | Potassium | 103 | % | — | EPA200.7 | N/A | LCS | pass |
| B22C084-BS1 | Lead | 99 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Antimony | 95 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Selenium | 100 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Thallium | 102 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Copper | 100 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Nickel | 99 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Silver | 101 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Arsenic | 95 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Beryllium | 98 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Cadmium | 99 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Chromium | 99 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C084-BS1 | Zinc | 99 | % | — | EPA200.8 | N/A | LCS | pass |
| B22C036-BS1 | Sulfate | 99 | % | — | EPA300.0 | N/A | LCS | pass |
| B22C036-BS1 | Fluoride | 99 | % | — | EPA300.0 | N/A | LCS | pass |
| B22C036-BS1 | Chloride | 105 | % | — | EPA300.0 | N/A | LCS | pass |
| B22C036-BS1 | Bromide | 101 | % | — | EPA300.0 | N/A | LCS | pass |

| Sample ID | Analyte | Result | Units | Qualifier | Method | RPD | QC type | Pass/Fail |
|--------------|------------------------|--------|-------|-----------|------------|-----|---------------|-----------|
| B22C074-BS1 | Phenanthrene | 96 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C074-BS1 | Pyrene | 107 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C074-BS1 | Pyrene-D10 | 103 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C074-BS1 | Dibenzofuran | 97 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C074-BS1 | Fluoranthene | 107 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C074-BS1 | Fluorene | 86 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C074-BS1 | Fluorene-D10 | 86 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C074-BS1 | Indeno(1,2,3-cd)pyrene | 95 | % | — | SW8270ESIM | N/A | LCS | pass |
| B22C052-BS2 | Ammonia | 104 | % | — | SM4500NH3H | N/A | LCS | pass |
| B22C074-BSD1 | Fluoranthene | 108 | % | — | SW8270ESIM | 1 | LCS Duplicate | pass |
| B22C074-BSD1 | Fluorene | 86 | % | — | SW8270ESIM | 0.4 | LCS Duplicate | pass |
| B22C074-BSD1 | Fluorene-D10 | 90 | % | — | SW8270ESIM | N/A | LCS Duplicate | pass |
| B22C074-BSD1 | Indeno(1,2,3-cd)pyrene | 92 | % | — | SW8270ESIM | 3 | LCS Duplicate | pass |
| B22C074-BSD1 | Naphthalene | 99 | % | — | SW8270ESIM | 2 | LCS Duplicate | pass |
| B22C084-BSD1 | Lead | 99 | % | — | EPA200.8 | 0.3 | LCS Duplicate | pass |
| B22C084-BSD1 | Antimony | 97 | % | — | EPA200.8 | 2 | LCS Duplicate | pass |
| B22C084-BSD1 | Selenium | 99 | % | — | EPA200.8 | 0.1 | LCS Duplicate | pass |
| B22C084-BSD1 | Thallium | 103 | % | — | EPA200.8 | 0.7 | LCS Duplicate | pass |
| B22C084-BSD1 | Zinc | 100 | % | — | EPA200.8 | 0.5 | LCS Duplicate | pass |
| B22C074-BSD1 | Phenanthrene | 97 | % | — | SW8270ESIM | 2 | LCS Duplicate | pass |
| B22C074-BSD1 | Pyrene | 107 | % | — | SW8270ESIM | 0.3 | LCS Duplicate | pass |
| B22C074-BSD1 | Pyrene-D10 | 110 | % | — | SW8270ESIM | N/A | LCS Duplicate | pass |
| B22C074-BSD1 | Retene | 120 | % | — | SW8270ESIM | 0.3 | LCS Duplicate | pass |
| B22C074-BSD1 | Terphenyl-D14 | 113 | % | — | SW8270ESIM | N/A | LCS Duplicate | pass |
| B22C086-BSD1 | Sodium | 101 | % | — | EPA200.7 | 2 | LCS Duplicate | pass |
| B22C086-BSD1 | Hardness as CaCO3 | 103 | % | — | SM2340B | 0.7 | LCS Duplicate | pass |
| B22C074-BSD1 | Acenaphthene | 86 | % | — | SW8270ESIM | 0.8 | LCS Duplicate | pass |
| B22C074-BSD1 | Acenaphthylene | 90 | % | — | SW8270ESIM | 0.2 | LCS Duplicate | pass |
| B22C074-BSD1 | Acenaphthylene-D8 | 89 | % | — | SW8270ESIM | N/A | LCS Duplicate | pass |
| B22C074-BSD1 | Anthracene | 87 | % | — | SW8270ESIM | 0.2 | LCS Duplicate | pass |
| B22C074-BSD1 | Anthracene-D10 | 83 | % | — | SW8270ESIM | N/A | LCS Duplicate | pass |
| B22C074-BSD1 | Benz[a]anthracene | 101 | % | — | SW8270ESIM | 2 | LCS Duplicate | pass |
| B22C074-BSD1 | Benzo(a)pyrene | 74 | % | — | SW8270ESIM | 6 | LCS Duplicate | pass |

| Sample ID | Analyte | Result | Units | Qualifier | Method | RPD | QC type | Pass/Fail |
|--------------|--------------------------------|--------|-------|-----------|------------|-------|---------------|-----------|
| B22C074-BSD1 | Benzo(a)pyrene-D12 | 94 | % | — | SW8270ESIM | N/A | LCS Duplicate | pass |
| B22C074-BSD1 | Benzo(b)fluoranthene | 94 | % | — | SW8270ESIM | 1 | LCS Duplicate | pass |
| B22C074-BSD1 | Benzo(ghi)perylene | 78 | % | — | SW8270ESIM | 1 | LCS Duplicate | pass |
| B22C074-BSD1 | Benzo(k)fluoranthene | 92 | % | — | SW8270ESIM | 0.3 | LCS Duplicate | pass |
| B22C074-BSD1 | Carbazole | 109 | % | — | SW8270ESIM | 1 | LCS Duplicate | pass |
| B22C074-BSD1 | Chrysene | 94 | % | — | SW8270ESIM | 3 | LCS Duplicate | pass |
| B22C074-BSD1 | Dibenzo(a,h)anthracene | 89 | % | — | SW8270ESIM | 0.6 | LCS Duplicate | pass |
| B22C074-BSD1 | Dibenzofuran | 97 | % | — | SW8270ESIM | 0.03 | LCS Duplicate | pass |
| B22C086-BSD1 | Calcium | 103 | % | — | EPA200.7 | 0.2 | LCS Duplicate | pass |
| B22C086-BSD1 | Potassium | 103 | % | — | EPA200.7 | 0.2 | LCS Duplicate | pass |
| B22C086-BSD1 | Magnesium | 104 | % | — | EPA200.7 | 1 | LCS Duplicate | pass |
| B22C065-BSD1 | Benzene, 1,4-dibromo-2-methyl- | 107 | % | — | NWTPH-GX | N/A | LCS Duplicate | pass |
| B22C065-BSD1 | Gasoline | 100 | % | — | NWTPH-GX | 7 | LCS Duplicate | pass |
| B22C070-BSD1 | m,p-Xylene | 114 | % | — | SW8021B | 4 | LCS Duplicate | pass |
| B22C070-BSD1 | o-Xylene | 115 | % | — | SW8021B | 3 | LCS Duplicate | pass |
| B22C070-BSD1 | Toluene | 113 | % | — | SW8021B | 3 | LCS Duplicate | pass |
| B22C074-BSD1 | 1-Methylnaphthalene | 99 | % | — | SW8270ESIM | 2 | LCS Duplicate | pass |
| B22C074-BSD1 | 2-Chloronaphthalene | 99 | % | — | SW8270ESIM | 2 | LCS Duplicate | pass |
| B22C074-BSD1 | 2-Fluorobiphenyl | 92 | % | — | SW8270ESIM | N/A | LCS Duplicate | pass |
| B22C074-BSD1 | 2-Methylnaphthalene | 99 | % | — | SW8270ESIM | 2 | LCS Duplicate | pass |
| B22C065-BSD1 | 1,4-Difluorobenzene | 110 | % | — | NWTPH-GX | N/A | LCS Duplicate | pass |
| B22C070-BSD1 | 1,4-Difluorobenzene | 100 | % | — | SW8021B | N/A | LCS Duplicate | pass |
| B22C070-BSD1 | Benzene | 115 | % | — | SW8021B | 3 | LCS Duplicate | pass |
| B22C070-BSD1 | Benzene, 1,4-dibromo-2-methyl- | 98 | % | — | SW8021B | N/A | LCS Duplicate | pass |
| B22C070-BSD1 | Ethylbenzene | 113 | % | — | SW8021B | 3 | LCS Duplicate | pass |
| B22C084-BSD1 | Silver | 102 | % | — | EPA200.8 | 0.9 | LCS Duplicate | pass |
| B22C084-BSD1 | Arsenic | 96 | % | — | EPA200.8 | 0.5 | LCS Duplicate | pass |
| B22C084-BSD1 | Beryllium | 99 | % | — | EPA200.8 | 0.8 | LCS Duplicate | pass |
| B22C084-BSD1 | Cadmium | 99 | % | — | EPA200.8 | 0.003 | LCS Duplicate | pass |
| B22C084-BSD1 | Chromium | 99 | % | — | EPA200.8 | 0.7 | LCS Duplicate | pass |
| B22C084-BSD1 | Copper | 100 | % | — | EPA200.8 | 0.04 | LCS Duplicate | pass |
| B22C084-BSD1 | Nickel | 100 | % | — | EPA200.8 | 0.5 | LCS Duplicate | pass |
| B22C091-DUP1 | Dissolved Organic Carbon | 1.21 | mg/L | — | SM5310B | 2 | Lab Duplicate | pass |

| Sample ID | Analyte | Result | Units | Qualifier | Method | RPD | QC type | Pass/Fail |
|--------------|--------------------------|--------|-------|-----------|------------|-----|---------------|-----------|
| B22C036-DUP1 | Sulfate | 0.884 | mg/L | — | EPA300.0 | 0.5 | Lab Duplicate | pass |
| B22C036-DUP1 | Fluoride | 0.1 | mg/L | U | EPA300.0 | NC | Lab Duplicate | pass |
| B22C036-DUP1 | Chloride | 0.481 | mg/L | — | EPA300.0 | 2 | Lab Duplicate | pass |
| B22C036-DUP1 | Bromide | 0.025 | mg/L | U | EPA300.0 | NC | Lab Duplicate | pass |
| B22C052-DUP1 | Ammonia | 0.01 | mg/L | U | SM4500NH3H | NC | Lab Duplicate | pass |
| B22C052-DUP1 | Nitrate-Nitrite as N | 0.095 | mg/L | — | SM4500NO3I | 0.7 | Lab Duplicate | pass |
| B22C084-MRL1 | Selenium | 0.022 | ug/L | U | EPA200.8 | NC | MRL1 | pass |
| B22C084-MRL2 | Selenium | 0.019 | ug/L | U | EPA200.8 | NC | MRL2 | pass |
| B22C084-MRL3 | Selenium | 0.021 | ug/L | U | EPA200.8 | NC | MRL3 | pass |
| B22C084-MRL4 | Selenium | 0.022 | ug/L | U | EPA200.8 | NC | MRL4 | pass |
| B22C084-MRL5 | Selenium | 0.02 | ug/L | U | EPA200.8 | NC | MRL5 | pass |
| B22C084-MRL6 | Selenium | 0.021 | ug/L | U | EPA200.8 | NC | MRL6 | pass |
| B22C084-MRL7 | Thallium | 0.023 | ug/L | U | EPA200.8 | NC | MRL7 | pass |
| B22C084-MRL7 | Selenium | 0.022 | ug/L | U | EPA200.8 | NC | MRL7 | pass |
| B22C084-MRL7 | Antimony | 0.035 | ug/L | U | EPA200.8 | NC | MRL7 | pass |
| B22C084-MRL7 | Beryllium | 0.021 | ug/L | U | EPA200.8 | NC | MRL7 | pass |
| B22C084-MRL8 | Beryllium | 0.022 | ug/L | U | EPA200.8 | NC | MRL8 | pass |
| B22C084-MRL8 | Antimony | 0.029 | ug/L | U | EPA200.8 | NC | MRL8 | pass |
| B22C084-MRL8 | Selenium | 0.02 | ug/L | U | EPA200.8 | NC | MRL8 | pass |
| B22C084-MRL8 | Thallium | 0.019 | ug/L | U | EPA200.8 | NC | MRL8 | pass |
| B22C091-MS1 | Dissolved Organic Carbon | 94 | % | — | SM5310B | N/A | Matrix Spike | pass |
| B22C036-MS1 | Sulfate | 106 | % | — | EPA300.0 | N/A | Matrix Spike | pass |
| B22C036-MS1 | Fluoride | 100 | % | — | EPA300.0 | N/A | Matrix Spike | pass |
| B22C036-MS1 | Chloride | 108 | % | — | EPA300.0 | N/A | Matrix Spike | pass |
| B22C036-MS1 | Bromide | 106 | % | — | EPA300.0 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Silver | 97 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Antimony | 104 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Selenium | 104 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Thallium | 110 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Zinc | 98 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C086-MS1 | Magnesium | 93 | % | — | EPA200.7 | N/A | Matrix Spike | pass |
| B22C086-MS1 | Sodium | 0 | % | — | EPA200.7 | N/A | Matrix Spike | pass |
| B22C086-MS1 | Calcium | 30 | % | — | EPA200.7 | N/A | Matrix Spike | pass |

| Sample ID | Analyte | Result | Units | Qualifier | Method | RPD | QC type | Pass/Fail |
|--------------|----------------------|--------|-------|-----------|------------|------|------------------------|-----------|
| B22C086-MS1 | Potassium | 99 | % | — | EPA200.7 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Nickel | 95 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Lead | 106 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Cadmium | 100 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Chromium | 101 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Copper | 93 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C086-MS1 | Hardness as CaCO3 | 69 | % | — | SM2340B | N/A | Matrix Spike | pass |
| B22C052-MS1 | Nitrate-Nitrite as N | 93 | % | — | SM4500NO3I | N/A | Matrix Spike | pass |
| B22C084-MS1 | Arsenic | 102 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C084-MS1 | Beryllium | 103 | % | — | EPA200.8 | N/A | Matrix Spike | pass |
| B22C052-MS2 | Ammonia | 100 | % | — | SM4500NH3H | N/A | Matrix Spike | pass |
| B22C084-MSD1 | Arsenic | 102 | % | — | EPA200.8 | 0.08 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Beryllium | 103 | % | — | EPA200.8 | 0.7 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Thallium | 112 | % | — | EPA200.8 | 1 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Zinc | 99 | % | — | EPA200.8 | 1 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Silver | 98 | % | — | EPA200.8 | 1 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Cadmium | 102 | % | — | EPA200.8 | 2 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Chromium | 102 | % | — | EPA200.8 | 0.7 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Copper | 94 | % | — | EPA200.8 | 0.3 | Matrix Spike Duplicate | pass |
| B22C086-MSD1 | Calcium | 32 | % | — | EPA200.7 | 0.1 | Matrix Spike Duplicate | pass |
| B22C086-MSD1 | Potassium | 99 | % | — | EPA200.7 | 0 | Matrix Spike Duplicate | pass |
| B22C086-MSD1 | Magnesium | 93 | % | — | EPA200.7 | 0 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Nickel | 95 | % | — | EPA200.8 | 0.09 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Lead | 108 | % | — | EPA200.8 | 2 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Antimony | 107 | % | — | EPA200.8 | 3 | Matrix Spike Duplicate | pass |
| B22C084-MSD1 | Selenium | 105 | % | — | EPA200.8 | 0.8 | Matrix Spike Duplicate | pass |
| B22C086-MSD1 | Sodium | 0 | % | — | EPA200.7 | 0.2 | Matrix Spike Duplicate | pass |
| B22C086-MSD1 | Hardness as CaCO3 | 70 | % | — | SM2340B | 0.09 | Matrix Spike Duplicate | pass |

QC = quality control; MQO = measurement quality objectives; N/A = not applicable; NC = not calculated; RPD = relative percent difference. Qualifiers: U = analyte not detected at or above the reported sample quantitation limit, J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Table B-3. Quality control samples for the contract lab-analyzed supplemental parameters. Pass/Fail is based on the comparison with project MQOs.

| ARI ID | Client ID | Compound | Value | Qualifier | Units | Pass/Fail | Notes |
|--------------|---------------------|-------------------------|-------|-----------|-------|-----------|---------------------|
| 22C0156-01 | 2203054-1 (DW3) | 1-Chloro-octadecane | 57.3 | — | % | fail | result qualified UJ |
| 22C0156-01 | 2203054-1 (DW3) | o-Terphenyl | 79.7 | — | % | pass | — |
| 22C0156-01 | 2203054-1 (DW3) | FID: 2,5-Dibromotoluene | 84.5 | — | % | pass | — |
| 22C0156-01 | 2203054-1 (DW3) | PID: 2,5-Dibromotoluene | 81.2 | — | % | pass | — |
| 22C0156-02 | 2203054-2 (DW3 rep) | 1-Chloro-octadecane | 62.7 | — | % | fail | result qualified UJ |
| 22C0156-02 | 2203054-2 (DW3 rep) | o-Terphenyl | 80.3 | — | % | pass | — |
| 22C0156-02 | 2203054-2 (DW3 rep) | FID: 2,5-Dibromotoluene | 90.2 | — | % | pass | — |
| 22C0156-02 | 2203054-2 (DW3 rep) | PID: 2,5-Dibromotoluene | 82.4 | — | % | pass | — |
| BKC0332-DUP1 | 2203054-1 (DW3) | Sulfide | 0.050 | U | mg/L | pass | — |
| BKC0332-MS1 | 2203054-1 (DW3) | Sulfide | 0.514 | — | mg/L | pass | — |
| BKC0297-BLK1 | Blank | >C10-C12 Aliphatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK1 | Blank | >C12-C16 Aliphatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK1 | Blank | >C16-C21 Aliphatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK1 | Blank | >C21-C34 Aliphatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK1 | Blank | 1-Chloro-octadecane | 61.0 | — | % | fail | result qualified UJ |
| BKC0297-BLK1 | Blank | C8-C10 Aliphatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK2 | Blank | >C10-C12 Aromatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK2 | Blank | >C12-C16 Aromatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK2 | Blank | >C16-C21 Aromatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK2 | Blank | >C21-C34 Aromatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK2 | Blank | C8-C10 Aromatics | 40 | U | ug/L | pass | — |
| BKC0297-BLK2 | Blank | o-Terphenyl | 74.3 | — | % | pass | — |
| BKC0297-BS1 | LCS | >C10-C12 Aliphatics | 151 | — | ug/L | pass | — |
| BKC0297-BS1 | LCS | >C12-C16 Aliphatics | 203 | — | ug/L | pass | — |
| BKC0297-BS1 | LCS | >C16-C21 Aliphatics | 256 | — | ug/L | pass | — |
| BKC0297-BS1 | LCS | >C21-C34 Aliphatics | 254 | — | ug/L | pass | — |

| ARI ID | Client ID | Compound | Value | Qualifier | Units | Pass/Fail | Notes |
|--------------|-----------|------------------------|-------|-----------|-------|-----------|---------------------|
| BKC0297-BS1 | LCS | 1-Chloro-octadecane | 65.5 | — | % | fail | result qualified UJ |
| BKC0297-BS1 | LCS | C8-C10 Aliphatics | 118 | — | ug/L | pass | — |
| BKC0297-BS2 | LCS | >C10-C12 Aromatics | 156 | — | ug/L | pass | — |
| BKC0297-BS2 | LCS | >C12-C16 Aromatics | 172 | — | ug/L | pass | — |
| BKC0297-BS2 | LCS | >C16-C21 Aromatics | 537 | — | ug/L | pass | — |
| BKC0297-BS2 | LCS | >C21-C34 Aromatics | 245 | — | ug/L | pass | — |
| BKC0297-BS2 | LCS | o-Terphenyl | 75.9 | — | % | pass | — |
| BKC0297-BSD1 | LCS Dup | >C10-C12 Aliphatics | 146 | — | ug/L | pass | — |
| BKC0297-BSD1 | LCS Dup | >C12-C16 Aliphatics | 208 | — | ug/L | pass | — |
| BKC0297-BSD1 | LCS Dup | >C16-C21 Aliphatics | 259 | — | ug/L | pass | — |
| BKC0297-BSD1 | LCS Dup | >C21-C34 Aliphatics | 259 | — | ug/L | pass | — |
| BKC0297-BSD1 | LCS Dup | 1-Chloro-octadecane | 66.7 | — | % | fail | result qualified UJ |
| BKC0297-BSD1 | LCS Dup | C8-C10 Aliphatics | 124 | — | ug/L | pass | — |
| BKC0297-BSD2 | LCS Dup | >C10-C12 Aromatics | 159 | — | ug/L | pass | — |
| BKC0297-BSD2 | LCS Dup | >C12-C16 Aromatics | 177 | — | ug/L | pass | — |
| BKC0297-BSD2 | LCS Dup | >C16-C21 Aromatics | 574 | — | ug/L | pass | — |
| BKC0297-BSD2 | LCS Dup | >C21-C34 Aromatics | 274 | — | ug/L | pass | — |
| BKC0297-BSD2 | LCS Dup | o-Terphenyl | 80.5 | — | % | pass | — |
| BKC0332-BLK1 | Blank | Sulfide | 0.050 | U | mg/L | pass | — |
| BKC0332-BS1 | LCS | Sulfide | 0.495 | — | mg/L | pass | — |
| BKC0419-BLK1 | Blank | >C10-C12 Aliphatics | 50 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | >C10-C12 Aromatics | 50 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | >C12-C13 Aromatics | 50 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | >C6-C8 Aliphatics | 50 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | >C8-C10 Aliphatics | 50 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | 1,2,3-Trimethylbenzene | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | 1-Methylnaphthalene | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | Benzene | 5 | U | ug/L | pass | — |

| ARI ID | Client ID | Compound | Value | Qualifier | Units | Pass/Fail | Notes |
|--------------|-----------|-------------------------|-------|-----------|-------|-----------|-------|
| BKC0419-BLK1 | Blank | C5-C6 Aliphatics | 50 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | C8-C10 Aromatics | 50 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | Ethylbenzene | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | FID: 2,5-Dibromotoluene | 80.0 | — | % | pass | — |
| BKC0419-BLK1 | Blank | m,p-Xylene | 10 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | Methyl tert-butyl Ether | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | Naphthalene | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | n-Decane | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | n-Dodecane | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | n-Hexane | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | n-Octane | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | n-Pentane | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | o-Xylene | 5 | U | ug/L | pass | — |
| BKC0419-BLK1 | Blank | PID: 2,5-Dibromotoluene | 77.3 | — | % | pass | — |
| BKC0419-BLK1 | Blank | Toluene | 5 | U | ug/L | pass | — |
| BKC0419-BS1 | LCS | >C10-C12 Aliphatics | 93.5 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | >C10-C12 Aromatics | 59.8 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | >C12-C13 Aromatics | 50 | U | ug/L | pass | — |
| BKC0419-BS1 | LCS | >C6-C8 Aliphatics | 71.3 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | >C8-C10 Aliphatics | 88.1 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | 1,2,3-Trimethylbenzene | 50.5 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | 1-Methylnaphthalene | 45.3 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | Benzene | 58.3 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | C5-C6 Aliphatics | 114 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | C8-C10 Aromatics | 311 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | Ethylbenzene | 45.1 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | FID: 2,5-Dibromotoluene | 90.8 | — | % | pass | — |
| BKC0419-BS1 | LCS | m,p-Xylene | 94.5 | — | ug/L | pass | — |

| ARI ID | Client ID | Compound | Value | Qualifier | Units | Pass/Fail | Notes |
|--------------|-----------|-------------------------|-------|-----------|-------|-----------|-------|
| BKC0419-BS1 | LCS | Methyl tert-butyl Ether | 55.6 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | Naphthalene | 48.1 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | n-Decane | 38.0 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | n-Dodecane | 47.3 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | n-Hexane | 53.7 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | n-Octane | 39.3 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | n-Pentane | 60.6 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | o-Xylene | 49.4 | — | ug/L | pass | — |
| BKC0419-BS1 | LCS | PID: 2,5-Dibromotoluene | 86.5 | — | % | pass | — |
| BKC0419-BS1 | LCS | Toluene | 51.7 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | >C10-C12 Aliphatics | 95.9 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | >C10-C12 Aromatics | 62.6 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | >C12-C13 Aromatics | 50 | U | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | >C6-C8 Aliphatics | 54.0 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | >C8-C10 Aliphatics | 83.2 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | 1,2,3-Trimethylbenzene | 52.2 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | 1-Methylnaphthalene | 47.0 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | Benzene | 58.1 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | C5-C6 Aliphatics | 118 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | C8-C10 Aromatics | 330 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | Ethylbenzene | 48.1 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | FID: 2,5-Dibromotoluene | 90.4 | — | % | pass | — |
| BKC0419-BSD1 | LCS Dup | m,p-Xylene | 102 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | Methyl tert-butyl Ether | 49.6 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | Naphthalene | 50.1 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | n-Decane | 39.5 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | n-Dodecane | 51.4 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | n-Hexane | 52.8 | — | ug/L | pass | — |

| ARI ID | Client ID | Compound | Value | Qualifier | Units | Pass/Fail | Notes |
|--------------|-----------|-------------------------|-------|-----------|-------|-----------|-------|
| BKC0419-BSD1 | LCS Dup | n-Octane | 39.1 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | n-Pentane | 61.2 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | o-Xylene | 52.3 | — | ug/L | pass | — |
| BKC0419-BSD1 | LCS Dup | PID: 2,5-Dibromotoluene | 86.2 | — | % | pass | — |
| BKC0419-BSD1 | LCS Dup | Toluene | 56.0 | — | ug/L | pass | — |
| SKC0173-ICB1 | Blank | Sulfide | 0.001 | — | mg/L | pass | — |
| SKC0173-ICV1 | SRM | Sulfide | 0.487 | — | mg/L | pass | — |

Qualifiers: U = analyte not detected at or above the reported sample quantitation limit, J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.