**Table A-1**
**Summary of Sample Types, Locations and Analyses**
**Yakima Valley Nitrates Phase 3**

| | | | | Analytical Methods | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Nitrate | Other nitrogen[1] | Major Ions and Alkalinity | Metals | Perchlorate | Pesticides[2] | Pathogens[3] | Hormones (Ada) | Hormones (UNL) | Veterinary Pharmecuticals | Wastewater Pharmecuticals | Isotopic analysis | Wastewater Organics | Age dating and gas study |
| | | | **Number of Analytes** | 1 | 4 | 9 | 16 | 1 | 50 | Varies | 5 | 20 | 17 | 14 | NA | 68 | NA |
| **Location ID** | **Sample ID** | **Sample Type** | **Sample Media** | | | | | | | | | | | | | | |
| WW-01 | 10154201 | Upgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-02 | 10154202 | Supply well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-03 | 10154203 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-04 | 10154204 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-05 | 10154205 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-06 | 10154206 | Upgradient – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-07 | 10154207 | Supply well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-08 | 10154208 | Supply well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-09 | 10164209 | Supply well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-10 | 10164210 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-11 | 10154211 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-12 | 10154212 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-13 | 10154213 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-14 | 10154214 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-15 | 10154215 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-16 | 10154216 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-17 | 10154217 | Downgradient well – Dairy | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-18[4] | 10154218 | Downgradient well – Owners Request | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-19 | 10154219 | Downgradient well – Septic | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-20 | 10154220 | Downgradient well – Septic | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-21 | 10154221 | Downgradient well – Septic | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-22 | 10164222 | Downgradient well – Septic | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-23 | 10154223 | Downgradient well – Mint | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-24 | 10154224 | Downgradient well – Mint | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-25 | 10154225 | Downgradient well – Corn | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-26 | 10154226 | Downgradient well – Hops | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-27 | 10154227 | Downgradient well – Hops | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-28 | 10154228 | Downgradient well – Corn | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-29 | 10154229 | Field Blank | Water | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| WW-30[5] | 10164230 | Downgradient well | Water | X | | X | X | X | X | X | X | | | | | X | X |
| LG-01 | 10154251 | Dairy Lagoon | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-02 | 10154252 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-03 | 10154253 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-04 | 10154254 | Dairy Lagoon | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-05 | 10154255 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-06 | 10154256 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-07 | 10154257 | Dairy Lagoon | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-08 | 10154258 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-09 | 10154259 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-10 | 10164260 | Dairy Lagoon | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-11 | 10164261 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-12 | 10164262 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-13 | 10164263 | Dairy Lagoon | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |



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**Table A-1**
**Summary of Sample Types, Locations and Analyses**
**Yakima Valley Nitrates Phase 3**

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LG-14 | 10164264 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| LG-15 | 10164265 | Dairy Lagoon[6] | Dairy Lagoon | | | X | X | | | X | X | X | X | X | | X | |
| SO-01 | 10154231 | Manure | Solid | | X | | | | X | | | X | X | X | | | |
| SO-02 | 10154232 | Soil – Dairy Application Field | Solid | | X | | | | X | | | X | X | X | | | |
| SO-03 | 10154233 | Manure | Solid | | X | | | | X | | | X | X | X | | | |
| SO-04 | 10154234 | Soil – Dairy Application Field | Solid | | X | | | | X | | | X | X | X | | | |
| SO-05 | 10154235 | Manure | Solid | | X | | | | X | | | X | X | X | | | |
| SO-06 | 10154236 | Soil – Dairy Application Field | Solid | | X | | | | X | | | X | X | X | | | |
| SO-07 | 10164237 | Manure | Solid | | X | | | | X | | | X | X | X | | | |
| SO-08 | 10164238 | Soil – Dairy Application Field | Solid | | X | | | | X | | | X | X | X | | | |
| SO-09 | 10164239 | Manure | Solid | | X | | | | X | | | X | X | X | | | |
| SO-10 | 10164240 | Soil – Dairy Application Field | Solid | | X | | | | X | | | X | X | X | | | |
| SO-11 | 10154241 | Soil – Mint | Solid | | X | | | | X | | | X | X | X | | | |
| SO-12 | 10154242 | Soil- Mint | Solid | | X | | | | X | | | X | X | X | | | |
| SO-13 | 10154243 | Soil – Corn | Solid | | X | | | | X | | | X | X | X | | | |
| SO-14 | 10154244 | Soil – Corn | Solid | | X | | | | X | | | X | X | X | | | |
| SO-15 | 10154245 | Soil – Hops | Solid | | X | | | | X | | | X | X | X | | | |
| SO-16 | 10154246 | Soil – Hops | Solid | | X | | | | X | | | X | X | X | | | |
| SP-01 | 10154271 | Wastewater Treatment Plant Influent | Water | | | X | X | | | X | X | X | X | X | | X | |
| SP-02 | 10154272 | Wastewater Treatment Plant Influent | Water | | | X | X | | | X | X | X | X | X | | X | |
| SP-03 | 10154273 | Wastewater Treatment Plant Influent | Water | | | X | X | | | X | X | X | X | X | | X | |

**Abbreviations**
NA- Not applicable

**Footnotes**
[1]The other nitrogen compounds evaluated included: total Kjeldahl Nitrogen (TKN); extractable nitrate, extractable ammonia and total nitrogen by combustion.
[2]Lagoon samples were evaluated but it was determined that because of matrix interferences it was not possible to reliably quantify the compounds..
[3]The specific analysis depended on which laboratory analyzed the sample. The analysis included either total coliform, fecal coliform, and/or E Coli. Microbial source tracking was performed
[4]Sample collected based on owner's request.
[5]Sample location is downgradient from dairy. Some analysis included this sample and others did not.
[6]Co-located samples: LG-02 and LG-03; LG-05 and LG-06; LG-08 and LG-09; LG-11 and LG-12; and LG-14 and LG-15.



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**Table A-2**
**Analytical Results for Nitrogen in Liquids**
**Yakima Valley Nitrates - Phase 3**

| Location ID | SampleID | Sample Type | Sample Media | Compound | Result | Unit | Analytical Laboratory | Analytical Method |
|---|---|---|---|---|---|---|---|---|
| WW-01 | 10154201 | Upgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.391 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 0.38 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 0.5 U | mg/L | Manchester | 351.2 |
| WW-02 | 10154202 | Supply well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 3.4 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 3.12 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 0.5 U | mg/L | Manchester | 351.2 |
| WW-03 | 10154203 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 35.5 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 33.1 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-04 | 10154204 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 55 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 51.9 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-05 | 10154205 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 13.4 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 12.8 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-06 | 10154206 | Upgradient – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.73 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 0.71 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 0.5 U | mg/L | Manchester | 351.2 |
| WW-07 | 10154207 | Supply Well - Dairy | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 1.19 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 1.02 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 0.51 U | mg/L | Manchester | 351.2 |
| WW-08 | 10154208 | Supply Well - Dairy | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 12.9 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 11.7 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-09 | 10164209 | Supply Well - Dairy | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.05 U | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 0.05 U | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 0.51 U | mg/L | Manchester | 351.2 |
| WW-10 | 10164210 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.05 U | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 0.05 U | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 0.5 U | mg/L | Manchester | 351.2 |
| WW-11 | 10154211 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 23 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 22.3 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-12 | 10154212 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 46.7 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 45 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-13 | 10154213 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 44 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 41.4 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-14 | 10154214 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 43.4 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 40.9 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-15 | 10154215 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 30.2 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 29.4 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-16 | 10154216 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 23.4 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 22.3 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |



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**Table A-2**
**Analytical Results for Nitrogen in Liquids**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| WW-17 | 10154217 | Downgradient well – Dairy | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 22.7 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 21.7 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-18 | 10154218 | Downgradient well – Owners Request | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 16.1 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 72.2 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-19 | 10154219 | Downgradient well – Septic | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 41.1 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 38.2 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-20 | 10154220 | Downgradient well – Septic | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 16 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 15 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-21 | 10154221 | Downgradient well – Septic | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 40.5 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 38 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-22 | 10164222 | Downgradient well – Septic | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 17.3 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 16.4 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-23 | 10154223 | Downgradient well – Mint | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 17.2 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 16 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-24 | 10154224 | Downgradient well – Mint | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 14.9 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 13.8 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-25 | 10154225 | Downgradient well – Hops | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 35.5 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 33.4 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-26 | 10154226 | Downgradient well – Hops | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 16.7 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 15.3 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-27 | 10154227 | Downgradient well – Corn | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 21.8 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 19.8 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| WW-28 | 10154228 | Downgradient well – Corn | Water | Ammonia (NH3+NH4) as N | 0.3 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 76 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 71.2 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 5.1 U | mg/L | Manchester | 351.2 |
| WW-29 | 10154229 | Field Blank | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.05 U | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 0.05 U | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 0.51 U | mg/L | Manchester | 351.2 |
| WW-30 | 10164230 | Downgradient well | Water | Ammonia (NH3+NH4) as N | 0.05 U | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 24.5 | mg/L | Manchester | 353.2 |
| | | | | Nitrate-N | 23.4 | mg/L | Cascade | 300 |
| | | | | Total Kjeldahl Nitrogen | 2.5 U | mg/L | Manchester | 351.2 |
| LG-01 | 10154251 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 1000 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1200 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-02 | 10154252 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 870 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1400 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1.2 J | mg/L | Manchester | 353.2 |
| LG-03 | 10154253 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 870 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1400 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-04 | 10154254 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 920 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1600 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-05 | 10154255 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 1200 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1600 J | mg/L | Manchester | 351.2 |

**Table A-2**
**Analytical Results for Nitrogen in Liquids**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-06 | 10154256 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 1200 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1800 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-07 | 10154257 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 950 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1700 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 3.1 J | mg/L | Manchester | 353.2 |
| LG-08 | 10154258 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 730 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1200 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-09 | 10154259 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 760 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1100 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-10 | 10164260 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 190 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 380 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-11 | 10164261 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 240 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 500 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-12 | 10164262 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 240 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 290 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-13 | 10164263 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 970 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1700 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 2.5 J | mg/L | Manchester | 353.2 |
| LG-14 | 10164264 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 860 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 1400 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| LG-15 | 10164265 | Dairy Lagoon | Liquid | Ammonia (NH3+NH4) as N | 560 J | mg/L | Manchester | 350.1 |
| | | | | Total Kjeldahl Nitrogen | 900 J | mg/L | Manchester | 351.2 |
| | | | | Nitrate+Nitrite as N | 1 UJ | mg/L | Manchester | 353.2 |
| SP-01 | 10154271 | Wastewater Treatment Plant Influent | Liquid | Ammonia (NH3+NH4) as N | 26.6 | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.942 | mg/L | Manchester | 353.2 |
| | | | | Total Kjeldahl Nitrogen | 46.8 | mg/L | Manchester | 351.2 |
| SP-02 | 10154272 | WWTP | Liquid | Ammonia (NH3+NH4) as N | 25.2 | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.05 U | mg/L | Manchester | 353.2 |
| | | | | Total Kjeldahl Nitrogen | 46.7 | mg/L | Manchester | 351.2 |
| SP-03 | 10154273 | WWTP | Liquid | Ammonia (NH3+NH4) as N | 38.4 | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.05 U | mg/L | Manchester | 353.2 |
| | | | | Total Kjeldahl Nitrogen | 53.8 | mg/L | Manchester | 351.2 |
| SP-04 | 10154274 | WWTP | Liquid | Ammonia (NH3+NH4) as N | 35.1 | mg/L | Manchester | 350.1 |
| | | | | Nitrate+Nitrite as N | 0.0968 | mg/L | Manchester | 353.2 |
| | | | | Total Kjeldahl Nitrogen | 57 | mg/L | Manchester | 351.2 |

**Abbreviations**

KK - field measurement
LG - lagoon
SP - wastewater treatment plant influent
WW - water well
WWTP - wastewater treatment plant

**Units**

mg/L = milligrams per liter

**Data Qualifiers**

J = The analyte was positively identified. The associated numerical value is an estimate.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.
UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.



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**Table A-2**
**Analytical Results for Nitrogen in Liquids**
**Yakima Valley Nitrates - Phase 3**

**Cell:** C179
**Comment:** Fleming, Sheila:



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**Table A-3**
**Analytical Results for Nitrogen in Solids**
**Yakima Valley Nitrates - Phase 3**

| Location ID | SampleID | Sample Type | Sample Media | Compound | Result | Units | Analytical Laboratory | Analytical Method |
|---|---|---|---|---|---|---|---|---|
| SO-01 | 10154231 | Manure | Solid | Ammonia Solid | 10100 | mg/kg | Cascade | 4500 |
| | | | | Kjedahl Nitrogen/Solid | 29700 | mg/kg | Cascade | 4500N-ORG-C |
| | | | | NO3N/Total Solid | 0.32 KK | mg/kg | Cascade | 4500 |
| SO-02 | 10154232 | Soil | Solid | Ammonium-N | 4.6 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 71.7 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 2760 | mg/kg | Cascade | 993.13 |
| SO-03 | 10154233 | Manure | Solid | Ammonia Solid | 1470 | mg/kg | Cascade | 4500 |
| | | | | NO3N/Total Solid | 32.8 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 9210 | mg/kg | Cascade | 993.13 |
| SO-04 | 10154234 | Soil – Dairy Application Field | Solid | Ammonium-N | 7.3 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 247 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 2110 | mg/kg | Cascade | 993.13 |
| SO-05 | 10154235 | Manure | Solid | Ammonia Solid | 1060 | mg/kg | Cascade | 4500 |
| | | | | NO3N/Total Solid | 43.1 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 13600 | mg/kg | Cascade | 993.13 |
| SO-06 | 10154236 | Soil – Dairy Application Field | Solid | Ammonium-N | 6.8 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 45.6 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 960 | mg/kg | Cascade | 993.13 |
| SO-07 | 10164237 | Manure | Solid | Ammonia Solid | 3600 | mg/kg | Cascade | 4500 |
| | | | | NO3N/Total Solid | 18.9 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 16100 | mg/kg | Cascade | 993.13 |
| SO-08 | 10164238 | Soil – Dairy Application Field | Solid | Ammonium-N | 2.9 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 84.3 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 3040 | mg/kg | Cascade | 993.13 |
| SO-09 | 10164239 | Manure | Solid | Ammonia Solid | 1700 | mg/kg | Cascade | 4500 |
| | | | | NO3N/Total Solid | 5.69 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 13700 | mg/kg | Cascade | 993.13 |
| SO-10 | 10164240 | Soil – Dairy Application Field | Solid | Ammonium-N | 7.1 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 139 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 3590 | mg/kg | Cascade | 993.13 |
| SO-11 | 10154241 | Soil - Mint Field | Solid | Ammonium-N | 210 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 245 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 3330 | mg/kg | Cascade | 993.13 |
| SO-12 | 10154242 | Soil - Mint Field | Solid | Ammonium-N | 8.2 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 191 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 2350 | mg/kg | Cascade | 993.13 |
| SO-13 | 10154243 | Soil - Corn Field | Solid | Ammonium-N | 7.5 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 24.3 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 1100 | mg/kg | Cascade | 993.13 |
| SO-14 | 10154244 | Soil - Corn Field | Solid | Ammonium-N | 12 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 6.3 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 1180 | mg/kg | Cascade | 993.13 |
| SO-15 | 10154245 | Soil -Hops Field | Solid | Ammonium-N | 21 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 83.5 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 2210 | mg/kg | Cascade | 993.13 |
| SO-16 | 10154246 | Soil -Hops Field | Solid | Ammonium-N | 7.7 | mg/kg | Cascade | 4500 |
| | | | | Nitrate-N/Nitrite | 26.5 | mg/kg | Cascade | 4500 |
| | | | | Total Nitrogen/Solid | 3000 | mg/kg | Cascade | 993.13 |

**Abbreviations**
SO - solid
**Units**
mg/kg = milligrams per kilogram
**Data Qualifiers**

**Table A-3**
**Analytical Results for Nitrogen in Solids**
**Yakima Valley Nitrates - Phase 3**

J = The analyte was positively identified. The associated numerical value is an estimate.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.
UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the



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**Table A-3**
**Analytical Results for Nitrogen in Solids**
**Yakima Valley Nitrates - Phase 3**

**Cell:** C50
**Comment:** Fleming, Sheila:

**Table A4**
**Analytical Results for Nitrate in Water Wells**
**Yakima Valley Nitrates - Phase 3**
**Units: mg/L**

| Location ID | Sample ID | Sample Type | Cascade[1] | Manchester[2] | UNL[3] |
|---|---|---|---|---|---|
| | | | Maximum Contaminant Level = 10 mg/l | | |
| WW-01 | 10154201 | Upgradient Well | 0.38 | 0.391 | 0.2 |
| WW-02 | 10154202 | Dairy Supply Well | 3.12 | 3.4 | 3 |
| WW-03 | 10154203 | Downgradient Well | 33.1 | 35.5 | 34 |
| WW-04 | 10154204 | Downgradient Well | 51.9 | 55 | 49.9 |
| WW-05 | 10154205 | Downgradient Well | 12.8 | 13.4 | 12.8 |
| WW-06 | 10154206 | Upgradient Well | 0.71 | 0.73 | 0.6 |
| WW-07 | 10154207 | Dairy Supply Well | 1.02 | 1.19 | 1.1 |
| WW-08 | 10154208 | Dairy Supply Well | 11.7 | 12.9 | 11.7 |
| WW-09 | 10164209 | Dairy Supply Well | <0.05U | 0.05U | NM |
| WW-10 | 10164210 | Downgradient Well | <0.05U | 0.05U | NM |
| WW-11 | 10154211 | Downgradient Well | 22.3 | 23 | 21.6 |
| WW-12 | 10154212 | Downgradient Well | 45 | 46.7 | 43.6 |
| WW-13 | 10154213 | Downgradient Well | 41.4 | 44 | 42 |
| WW-14 | 10154214 | Downgradient Well | 40.9 | 43.4 | 40.7 |
| WW-15 | 10154215 | Downgradient Well | 29.4 | 30.2 | 27.4 |
| WW-16 | 10154216 | Downgradient Well | 22.3 | 23.4 | 23 |
| WW-17 | 10154217 | Downgradient Well | 21.7 | 22.7 | 23.3 |
| WW-18 | 10154218 | Downgradient Well | 72.2 | 16.1 | 72.3 |
| WW-19 | 10154219 | Downgradient Well | 38.2 | 41.1 | 36.4 |
| WW-20 | 10154220 | Downgradient Well | 15 | 16 | 15 |
| WW-21 | 10154221 | Downgradient well | 38 | 40.5 | 36.5 |
| WW-22 | 10164222 | Downgradient Well | 16.4 | 17.3 | 16.6 |
| WW-23 | 10154223 | Downgradient Well | 16 | 17.2 | 17.3 |
| WW-24 | 10154224 | Downgradient Well | 13.8 | 14.9 | 14 |
| WW-25 | 10154225 | Downgradient Well | 33.4 | 35.5 | 32.9 |
| WW-26 | 10154226 | Downgradient Well | 15.3 | 16.7 | 15.1 |
| WW-27 | 10154227 | Downgradient Well | 19.8 | 21.8 | 19.9 |
| WW-28 | 10154228 | Downgradient Well | 71.2 | 76 | 69.6 |
| WW-29 | 10154229 | Field Blank | <0.05U | 0.05U | NM |
| WW-30 | 10164230 | Downgradient Well | 23.4 | 24.5 | NA |

**Abbreviations**
NM = Insufficient Nitrate to complete analysis.
NA = Not analyzed.

**Notes**
[1]Cascade used Method 300 to analyze the samples.
[2]Manchester completed the nitrate analysis as part of the general water chemistry using Method 353.2.
[3]UNL completed the analysis as a part of their isotopic analysis.



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**Table A-5**
**Analytical Results for Major Ions and Inorganic Elements**
**Analytical Laboratory: EPA Manchester Environmental Laboratory**
**Yakima Valley Nitrates Phase 3**

| | **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | 10154206 | 10154207 | 10154208 | 10164209 | 10164210 |
| | **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradient Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgradient Well |
| | **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| **Compound** | **Units** | | | | | | | | | | |
| Alkalinity as CaCO3 | mg/L | 78.4 | 165 | 181 | 394 | 454 | 119 | 129 | 178 | 155 | 141 |
| Arsenic | ug/L | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U |
| Barium | ug/L | 13.5 | 32.7 | 135 | 178 | 164 | 11.2 | 10 | 30.7 | 15.1 | 63.8 |
| Bromide | mg/L | 0.2 U | 0.2 U | 0.873 | 0.39 | 0.2 U | 0.2 U | 0.2 U | 0.336 | 0.2 U | 0.2 U |
| Cadmium | ug/L | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U |
| Calcium | ug/L | 17200 | 35400 | 165000 | 186000 | 125000 | 20800 | 28300 | 81800 | 21100 | 27000 |
| Chloride | mg/L | 2.96 | 9.11 | 96.2 | 58 | 37.5 | 2.38 | 8.04 | 35 | 7.93 | 4.44 |
| Chromium | ug/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Copper | ug/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Fluoride | mg/L | 0.113 | 0.528 | 0.307 | 0.319 | 0.332 | 0.416 | 0.298 | 0.257 | 0.405 | 0.328 |
| Iron | ug/L | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 550 |
| Lead | ug/L | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| Magnesium | ug/L | 6470 | 15100 | 39900 | 52600 | 39000 | 7410 | 12300 | 25600 | 9220 | 8410 |
| Manganese | ug/L | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 3.4 | 2 U | 37.7 | 89.9 |
| Mercury | ug/L | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.077 | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| Phosphorus, total | mg/L | 0.0292 | 0.0926 | 0.0327 | 0.0439 | 0.0606 | 0.0664 | 0.0299 | 0.0271 | 0.0304 | 0.0477 |
| Potasium | ug/L | 1900 | 4190 | 6140 | 7290 | 6670 | 3300 | 6830 | 4330 | 8570 | 5250 |
| Selenium | ug/L | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| Silver | ug/L | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Sodium | ug/L | 5130 | 22500 | 41800 | 57000 | 48800 | 15400 | 15100 | 34200 | 28400 | 25500 |
| Sulfate | mg/L | 3.51 | 22.3 | 234 | 168 | 44.4 | 6.38 | 27.8 | 113 | 0.841 | 21.7 |
| Zinc | ug/L | 5 U | 5.4 | 21 | 12 | 15 | 471 | 5 U | 12 | 5 U | 8.3 |

**Abbreviations**
LG - Dairy waste lagoon
SP - wastewater treatment plant influent
WW - water well
WWTP - wastewater treatment plant
**Units**
ug/L = micrograms per liter
mg/L = milligrams per liter
**Data Qualifiers**
< = less than
R = The data are unusable for all purposes.
UJ = The analyte was not detected at or above the

**Table A-5**
**Analytical Results for Major Ions and Inorganic Elements**
**Analytical Laboratory: EPA Manchester Environmental Laboratory**
**Yakima Valley Nitrates Phase 3**

| WW-11 | WW-12 | WW-13 | WW-14 | WW-15 | WW-16 | WW-17 | WW-18 | WW-19 | WW-20 | WW-21 | WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 | WW-29 | WW-30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10154211 | 10154212 | 10154213 | 10154214 | 10154215 | 10154216 | 10154217 | 10154218 | ####### | 10154220 | 10154221 | 10164222 | ####### | 10154224 | 10154225 | 10154226 | 10154227 | 10154228 | ###### | 10164230 |
| Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient - Septic | Downgradient well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Field Blank | Downgradient Well |
| Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| | | | | | | | | | | | | | | | | | | | |
| 178 | 350 | 604 | 502 | 240 | 318 | 316 | 280 | 111 | 359 | 178 | 136 | 251 | 259 | 388 | 352 | 180 | 237 | 5 U | 255 |
| 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U | 45 U |
| 34 | 14.7 | 8.7 | 35.9 | 47.8 | 25.4 | 39.2 | 70.5 | 243 | 94.4 | 107 | 184 | 121 | 27.8 | 106 | 102 | 56.6 | 89.6 | 1 U | 57.5 |
| 0.333 | 0.237 | 0.428 | 0.389 | 0.246 | 0.418 | 0.406 | 0.522 | 0.761 | 0.2 U | 0.737 | 0.415 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.3 | 1.36 | 0.2 U | 0.248 |
| 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U | 3 U |
| 93400 | 109000 | 217000 | 193000 | 69200 | 118000 | 113000 | 210000 | 79200 | 96500 | 111000 | 79300 | 92000 | 70600 | 95100 | 83200 | 88600 | 238000 | 30 U | 99300 |
| 52 | 49 | 79.8 | 69.8 | 39.2 | 45.5 | 44.6 | 39.7 | 60 | 24.9 | 51.2 | 26.8 | 23.1 | 10.5 | 23.6 | 12.7 | 22.4 | 130 | 0.06 U | 33.1 |
| 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 32.8 | 5 U | 5 U | 5 U | 5 U | 5 U |
| 0.282 | 0.285 | 0.132 | 0.106 | 0.363 | 0.205 | 0.205 | 0.439 | 0.216 | 0.352 | 0.462 | 0.239 | 0.251 | 0.385 | 0.364 | 0.378 | 0.721 | 0.574 | 0.04 U | 0.258 |
| 91 | 20 U | 20 U | 20 U | 194 | 27 | 135 | 33 | 35 | 259 | 67 | 112 | 20 U | 89 | 44 | 115 | 20 U | 20 U | 20 U | 100 |
| 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U | 25 U |
| 25800 | 42000 | 66300 | 65000 | 32100 | 47900 | 46000 | 67100 | 29800 | 29700 | 35700 | 19600 | 24600 | 22700 | 27200 | 32100 | 28600 | 85000 | 50 U | 24700 |
| 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2.1 | 2 U | 2 U | 22.4 | 3.1 | 4.8 | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 0.05 U | 0.05 U | 0.106 | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.084 | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U | 0.05 U |
| 0.0204 | 0.0201 | 0.02 U | 0.02 U | 0.0272 | 0.0213 | 0.023 | 0.0443 | 0.041 | 0.0745 | 0.101 | 0.0399 | 0.078 | 0.0961 | 0.0769 | 0.0855 | 0.0406 | 0.0367 | 0.02 U | 0.0204 |
| 3870 | 4000 | 5450 | 6640 | 7970 | 3630 | 3730 | 5610 | 5280 | 5370 | 4590 | 4180 | 6160 | 6510 | 4680 | 11700 | 3650 | 4790 | 700 U | 2900 |
| 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 55 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 72 | 50 U | 50 U |
| 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| 62700 | 101000 | 97300 | 103000 | 108000 | 52900 | 54900 | 48800 | 37400 | 49700 | 55800 | 18000 | 23900 | 44000 | 112000 | 58500 | 40400 | 53800 | 100 U | 107000 |
| 147 | 117 | 229 | 305 | 138 | 173 | 171 | 361 | 63.4 | 63.6 | 164 | 69.8 | 51.9 | 29.8 | 45.6 | 64.9 | 124 | 386 | 0.3 U | 176 |
| 66.9 | 5 U | 9.7 | 17 | 53.8 | 5 U | 8.5 | 5 U | 51.2 | 10 | 5 U | 5 U | 9 | 53.4 | 55.4 | 9.3 | 47.6 | 26.3 | 5 U | 22 |

**Table A-5**
**Analytical Results for Major Ions and Inorganic Elements**
**Analytical Laboratory: EPA Manchester Environmental Laboratory**
**Yakima Valley Nitrates Phase 3**

| LG-01 | LG-02 | LG-03 | LG-04 | LG-05 | LG-06 | LG-07 | LG-08 | LG-09 | LG-10 | LG-11 | LG-12 | LG-13 | LG-14 | LG-15 | SP-01 | SP-02 | SP-03 | SP-04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10154251 | 10154252 | 10154253 | 10154254 | 10154255 | 10154256 | 10154257 | 10154258 | 10154259 | 10164260 | 10164261 | 10164262 | 10164263 | 10164264 | 10164265 | 10154271 | 1E+07 | 10154273 | 1E+07 |
| Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | WWTP | WWTP | WWTP | WWTP |
| Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid |
| | | | | | | | | | | | | | | | | | | |
| 3820 | 6340 | 6320 | 6110 | 8920 | 8700 | 6210 | 5280 | 5280 | 1170 | 2060 | 2060 | 11300 | 9490 | 5640 | 444 | 307 | 257 | 255 |
| 180 U | 170 U | 160 U | 170 U | 180 U | 160 U | 190 U | 190 U | 160 U | 160 U | 170 U | 160 U | 180 U | 150 U | 160 U | 45 U | 45 U | 45 U | 45 U |
| 297 | 931 | 907 | 2480 | 722 | 683 | 1080 | 720 | 720 | 220 | 259 | 240 | 3160 | 2350 | 803 | 107 | 65.3 | 64.1 | 30.7 |
| 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U | 0.213 | 0.2 U | 0.2 U | 0.2 U |
| 12 U | 11 U | 11 U | 12 U | 12 U | 10 U | 13 U | 13 U | 11 U | 11 U | 11 U | 11 U | 22 | 10 U | 11 U | 3 U | 3 U | 3 U | 3 U |
| 148000 | 409000 | 390000 | 1010000 | 351000 | 323000 | 578000 | 433000 | 442000 | 103000 | 124000 | 102000 | 1210000 | 1180000 | 387000 | 71000 | 36500 | 58900 | 24500 |
| 473 | 616 | 616 | 684 | 1140 | 1140 | 633 | 699 | 722 | 62.4 | 113 | 113 | 661 | 558 | 524 | 67.6 | 42.8 | 489 | 40.1 |
| 40 U | 88 | 85 | 203 | 44 | 46 | 70 | 42 U | 37 | 37 U | 38 U | 36 U | 180 | 130 | 36 U | 10 U | 10 U | 10 U | 10 U |
| 575 | 1850 | 1810 | 3110 | 1030 | 989 | 1850 | 1290 | 1290 | 193 | 148 | 157 | 2870 | 2090 | 743 | 34.1 | 51.5 | 63.1 | 81 |
| 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 0.184 | 0.784 | 0.534 | 0.614 |
| 9000 | 16700 | 15800 | 205000 | 15500 | 13900 | 53000 | 23600 | 23600 | 5960 | 1560 J | 1470 J | 208000 | 152000 | 20300 | 268 | 1300 | 674 | 555 |
| 100 U | 95 U | 89 U | 97 U | 99 U | 86 U | 100 U | 100 U | 90 U | 91 U | 94 U | 90 U | 100 U | 84 U | 91 U | 25 U | 25 U | 25 U | 25 U |
| 116000 | 236000 | 234000 | 514000 | 281000 | 274000 | 358000 | 202000 | 200000 | 63100 | 84500 | 85000 | 707000 | 580000 | 294000 | 24600 | 11200 | 19400 | 10700 |
| 1370 | 3970 | 3950 | 14800 | 4420 | 4070 | 7780 | 3990 | 4010 | 660 | 793 | 673 | 11100 | 9810 | 2410 | 29.6 | 75.6 | 36.2 | 26.4 |
| 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.387 J | 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.25 UJ | 0.065 J | 0.05 UJ | 0.05 UJ | 0.707 J | 0.495 J | 0.25 UJ | 0.05 UJ | 1.21 J | 0.152 J | 0.072 J |
| 39.6 | 118 | 126 | 354 | 103 | 111 | 221 | 90.8 | 89.8 | 57.1 | 82.9 | 58.5 | 297 | 239 | 74 | 6.87 | 6.14 | 8.4 | 8.37 |
| 1660000 | 2100000 | 2140000 | 2160000 | 2590000 | 2600000 | 1930000 | 1820000 | 1810000 | 327000 | 394000 | 400000 | 2650000 | 2290000 | 1830000 | 21800 | 20800 | 19100 | 15700 |
| 200 U | 190 U | 180 U | 190 U | 200 U | 170 U | 210 U | 210 U | 180 U | 180 U | 190 U | 180 U | 200 U | 170 U | 180 U | 50 U | 50 U | 50 U | 50 U |
| 40 U | 38 U | 35 U | 39 U | 40 U | 34 U | 42 U | 42 U | 36 U | 37 U | 38 U | 36 U | 41 U | 34 U | 36 U | 10 U | 10 U | 10 U | 10 U |
| 437000 | 501000 | 511000 | 517000 | 751000 | 753000 | 443000 | 488000 | 487000 | 142000 | 175000 | 177000 | 906000 | 830000 | 687000 | 114000 | 72300 | 230000 | 50300 |
| 257 | 15 U | 15 U | 286 | 15 U | 15 U | 304 | 15 U | 15 U | 181 | 15 U | 15 U | 96 | 59.6 | 15 U | 88.2 | 13.5 | 15.9 | 21 |
| 1790 | 5410 | 5260 | 11000 | 3720 | 3470 | 6080 | 4160 | 4290 | 926 | 496 | 377 | 8470 | 8650 | 2920 | 130 | 193 | 172 | 121 |

**Table A-6**
**Analytical Results for Perchlorate in Water Wells**
**Analytical Laboratory: EPA Subsurface Laboratory Ada, Oklahoma**
**Analytical Method: USEPA SW846 Method 6850**
**Yakima Valley Nitrates Phase 3**

| Sample Location | Sample ID | Sample Type | Sample Matrix | Result (ug/L) |
|---|---|---|---|---|
| WW-01 | 10154201 | Upgradient Well | Water | 0.135 |
| WW-02 | 10154202 | Dairy Supply Well | Water | 0.493 |
| WW-03 | 10154203 | Downgradient Well | Water | 1.96 |
| WW-04 | 10154204 | Downgradient Well | Water | 1.38 |
| WW-05 | 10154205 | Downgradient Well | Water | 0.547 |
| WW-06 | 10154206 | Upgradient Well | Water | 0.06 |
| WW-07 | 10154207 | Dairy Supply Well | Water | 0.231 |
| WW-08 | 10154208 | Dairy Supply Well | Water | 1.4 |
| WW-09 | 10164209 | Dairy Supply Well | Water | 0.003 U |
| WW-10 | 10164210 | Downgradient Well | Water | 0.003 U |
| WW-11 | 10154211 | Downgradient Well | Water | 0.915 |
| WW-12 | 10154212 | Downgradient Well | Water | 1.68 |
| WW-13 | 10154213 | Downgradient Well | Water | 1.17 |
| WW-14 | 10154214 | Downgradient Well | Water | 1.84 |
| WW-15 | 10154215 | Downgradient Well | Water | 1.76 |
| WW-16 | 10154216 | Downgradient Well | Water | 3.08 |
| WW-17 | 10154217 | Downgradient Well | Water | 2.9 |
| WW-18 | 10154218 | Downgradient Well | Water | 2.3 |
| WW-19 | 10154219 | Downgradient Well | Water | 3.25 |
| WW-20 | 10154220 | Downgradient Well | Water | 1.31 |
| WW-21 | 10154221 | Downgradient well | Water | 0.978 |
| WW-22 | 10164222 | Downgradient Well | Water | 1.74 |
| WW-23 | 10154223 | Downgradient Well | Water | 1.36 |
| WW-24 | 10154224 | Downgradient Well | Water | 3.42 |
| WW-25 | 10154225 | Downgradient Well | Water | 1.98 |
| WW-26 | 10154226 | Downgradient Well | Water | 1.44 |
| WW-27 | 10154227 | Downgradient Well | Water | 0.556 |
| WW-28 | 10154228 | Downgradient Well | Water | 4.69 |
| WW-29 | 10154229 | Field Blank | Water | 0.003 U |
| WW-30 | 10164230 | Downgradient Well | Water | 1.07 |

**Abbreviations**
WW - water well
**Units**
ug/L = micrograms per liter
**Data Qualifiers**
U = The analyte was not detected at or above the reported value.

**Table A-7**
**Summary of Results for Total Coliform, E. Coli and Microbial Source Tracking**
**Yakima Valley Nitrates - Phase 3**

| Location ID | Sample ID | Sample Type | Sample Media | Total Coliform | Laboratory | Units | Fecal Coliform | Laboratory | Units | E.Coli | Laboratory | Units | BAC-32 | CF-128 | CF-193 | MST-Contaminants | HF-183 | HF-134 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WW-01 | 10154201 | Upgradient well – Dairy | Water | <1 | Cascade | #/100ml | NA | NA | NA | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-02 | 10154202 | Supply well – Dairy | Water | <1 | Cascade | #/100ml | NA | NA | NA | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-03 | 10154203 | Downgradient well – Dairy | Water | <1 | Cascade | #/100ml | NA | NA | NA | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-04 | 10154204 | Downgradient well – Dairy | Water | 23.8 | Cascade | #/100ml | NA | NA | NA | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-05 | 10154205 | Downgradient well – Dairy | Water | <1 | Cascade | #/100ml | NA | NA | NA | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-06 | 10154206 | Upgradient – Dairy | Water | 2 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-07 | 10154207 | Supply well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-08 | 10154208 | Supply well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-09 | 10164209 | Supply well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-10 | 10164210 | Downgradient well – Dairy | Water | <1 | Cascade | #/100ml | <1 | Cascade | #/100ml | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-11 | 10154211 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-12 | 10154212 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-13 | 10154213 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-14 | 10154214 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-15 | 10154215 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-16 | 10154216 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-17 | 10154217 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-18 | 10154218 | Downgradient well – Dairy | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-19 | 10154219 | Downgradient well – Septic | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-20 | 10154220 | Downgradient well – Septic | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-21 | 10154221 | Downgradient well – Septic | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-22 | 10164222 | Downgradient well – Septic | Water | <1 | Cascade | #/100ml | <1 | Cascade | #/100ml | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-23 | 10154223 | Downgradient well – Mint | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-24 | 10154224 | Downgradient well – Mint | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-25 | 10154225 | Downgradient well – Corn | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |



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**Table A-7**
**Summary of Results for Total Coliform, E. Coli and Microbial Source Tracking**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WW-26 | 10154226 | Downgradient well – Hops | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-27 | 10154227 | Downgradient well – Hops | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-28 | 10154228 | Downgradient well – Corn | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-29 | 10154229 | Field Blank | Water | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | <1 | Manchester | #/100ml | NA | NA | NA | NA | NA | NA |
| WW-30 | 10164230 | Downgradient well – Dairy | Water | <1 | Cascade | #/100ml | NA | NA | NA | <1 | Cascade | #/100ml | NA | NA | NA | NA | NA | NA |
| LG-01 | 10154251 | Dairy Lagoon | Liquid | NA | NA | NA | TNTC | Cascade | #/100ml | NA | NA | NA | P | P | ND | R | P | A |
| LG-02 | 10154252 | Dairy Lagoon | Liquid | NA | NA | NA | TNTC | Cascade | #/100ml | NA | NA | NA | P | ND | ND | H/R | P | P |
| LG-03 | 10154253 | Dairy Lagoon | Liquid | NA | NA | NA | TNTC | Cascade | #/100ml | NA | NA | NA | P | P | ND | H/R | P | A |
| LG-04 | 10154254 | Dairy Lagoon | Liquid | NA | NA | NA | > 16 million | Manchester | #/100ml | 16 million (J) | Manchester | #/100ml | P | P | ND | R | A | A |
| LG-05 | 10154255 | Dairy Lagoon | Liquid | NA | NA | NA | 2000 | Manchester | #/100ml | 2000 (J) | Manchester | #/100ml | P | P | ND | R | A | A |
| LG-06 | 10154256 | Dairy Lagoon | Liquid | NA | NA | NA | 1800 | Manchester | #/100ml | 1800 (J) | Manchester | #/100ml | P | P | ND | R | A | A |
| LG-07 | 10154257 | Dairy Lagoon | Liquid | NA | NA | NA | 5.4 million | Manchester | #/100ml | 5.4 million (J) | Manchester | #/100ml | P | P | ND | R | A | A |
| LG-08 | 10154258 | Dairy Lagoon | Liquid | NA | NA | NA | 130,000 | Manchester | #/100ml | 130,000 (J) | Manchester | #/100ml | P | P | ND | R | A | A |
| LG-09 | 10154259 | Dairy Lagoon | Liquid | NA | NA | NA | 79,000 | Manchester | #/100ml | 79,000 (J) | Manchester | #/100ml | P | P | ND | H/R | ND | P |
| LG-10 | 10164260 | Dairy Lagoon | Liquid | NA | NA | NA | 1.1 billion | Cascade | #/100ml | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LG-11 | 10164261 | Dairy Lagoon | Liquid | NA | NA | NA | 5.4 million | Cascade | #/100ml | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LG-12 | 10164262 | Dairy Lagoon | Liquid | NA | NA | NA | 4.5 million | Cascade | #/100ml | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LG-13 | 10164263 | Dairy Lagoon | Liquid | NA | NA | NA | 3.3 billion (J) | Cascade | #/100ml | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LG-14 | 10164264 | Dairy Lagoon | Liquid | NA | NA | NA | 2.4 billion (J) | Cascade | #/100ml | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| LG-15 | 10164265 | Dairy Lagoon | Liquid | NA | NA | NA | 5.4 million | Cascade | #/100ml | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SP-01 | 10154271 | Wastewater Treatment Plant Influent | Liquid | NA | NA | NA | TNTC | Cascade | #/100ml | NA | NA | NA | P | A | A | H | ND | P |
| SP-02 | 10154272 | Wastewater Treatment Plant Influent | Liquid | NA | NA | NA | 9.2 million | Manchester | #/100ml | 5.4 million (J) | Manchester | #/100ml | P | A | A | H | ND | P |
| SP-03 | 10154273 | Wastewater Treatment Plant Influent | Liquid | NA | NA | NA | 1.6 million | Manchester | #/100ml | 1.6 million (J) | Manchester | #/100ml | P | A | A | H | A | P |
| SP-04 | 10154274 | Wastewater Treatment Plant Influent | Liquid | NA | NA | NA | 13 million | Manchester | #/100ml | 13million (J) | Manchester | #/100ml | P | P | ND | H/R | P | A |

**Abbreviations**
A = Absent
H = Human
H/R = Human and Ruminant
MST -
NA = Not analyzed
ND = Not detected
P = Present
R = Ruminant
TNTC = To numerous to count
BAC32: This is the screening Bacteroides biomarker. If it is present, further testing is done to determine the specific source. If the test is negative, nothing more is done.
CF128 and CF193: These are two separate biomarkers that identify the presence of ruminant fecal source. Between the two of them, they comprise most of the biomarkers that would be found in
HF134 and HF183: These are two separate biomarkers that identify the presence of human fecal source. As above, between the two of these biomarkers, the majority of human source will be



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**Table A-7**
**Summary of Results for Total Coliform, E. Coli and Microbial Source Tracking**
**Yakima Valley Nitrates - Phase 3**

MST- Microbial Source Tracking. MST contaminants: This identifies by two letter code the kind of fecal source was identified in the particular sample.GB indicates that although Bacteroides

**Units**

#/100ml - number per 100 millilters

<1 - less than one organism

**Data Qualifiers**

J = The analyte was positively identified. The associated numerical value is an estimate.



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**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 | WW-11 | WW-12 | WW-13 | WW-14 | WW-15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | 10154206 | 10154207 | 10154208 | 10164209 | 10164210 | ###### | 10154212 | 10154213 | 10154214 | 10154215 |
| **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradient Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well |
| **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| **Compound** **Units** | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 2,3,4,5-Tetrachlorophenol | 0.2 U | 0.2 U | 0.2 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 2,3,4,6-Tetrachlorophenol | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| 2,4,5-T | 0.5 U | 0.49 U | 0.49 U | 0.49 U | 0.48 U | 0.5 U | 0.48 U | 0.47 U | 0.48 U | 0.48 U | 0.5 U | 0.49 U | 0.48 U | 0.49 U | 0.48 U |
| 2,4,5-Trichlorophenol | 0.2 U | 0.2 U | 0.2 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 UJ | 0.19 U | 0.19 U | 0.19 U |
| 2,4,6-Trichlorophenol | 0.5 UJ | 0.49 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.5 UJ | 0.48 UJ | 0.47 UJ | 0.48 UJ | 0.48 UJ | 0.5 UJ | 0.49 UJ | 0.48 UJ | 0.49 UJ | 0.48 UJ |
| 2,4-D | 0.5 UJ | 0.49 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.5 UJ | 0.48 UJ | 0.47 UJ | 0.48 UJ | 0.48 UJ | 0.5 UJ | 0.49 UJ | 0.48 UJ | 0.49 UJ | 0.48 UJ |
| 2,4-DB | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| 3,5-Dichlorobenzoic acid | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| 4-Nitrophenol | 0.5 UJ | 0.49 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.5 UJ | 0.48 UJ | 0.47 UJ | 0.48 UJ | 0.48 UJ | 0.5 UJ | 0.49 UJ | 0.48 UJ | 0.49 UJ | 0.48 UJ |
| Acifluorfen | 0.5 U | 0.49 U | 0.49 U | 0.49 U | 0.48 U | 0.5 U | 0.48 U | 0.47 U | 0.48 U | 0.48 U | 0.5 U | 0.49 U | 0.48 U | 0.49 U | 0.48 U |
| Alachlor | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.048 J | 0.1 UJ | 0.1 UJ |
| Atrazine | 0.015 J | 0.041 J | 0.1 UJ | 0.015 J | 0.11 J | 0.026 J | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.016 J | 0.048 J | 0.06 J | 0.011 J |
| Azinphos-methyl | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Bentazon | 0.1 U | 0.1 U | 0.098 U | 0.1 U | 0.1 U | 0.1 U | 0.012 NJ | 0.036 J | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| Benzonitrile, 2,6-dichloro- | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Bromoxynil | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| Chloramben | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.19 UJ | 0.19 UJ | 0.2 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.2 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ |
| Chlorpyrifos, Ethyl | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Clopyralid | 1 UJ | 0.99 UJ | 0.98 UJ | 0.97 UJ | 0.95 UJ | 1 UJ | 0.96 UJ | 0.95 UJ | 0.96 UJ | 0.96 UJ | 1 UJ | 0.97 UJ | 0.96 UJ | 0.97 UJ | 0.96 UJ |
| DACTHAL-DCPA | 0.5 UJ | 0.49 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.5 UJ | 0.48 UJ | 0.47 UJ | 0.48 UJ | 0.48 UJ | 0.5 UJ | 0.49 UJ | 0.48 UJ | 0.49 UJ | 0.48 UJ |
| Diazinon | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Dicamba | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.096 UJ | 0.096 UJ | 0.1 UJ | 0.097 UJ | 0.096 UJ | 0.097 UJ | 0.096 UJ |
| Dichlorprop | 0.5 U | 0.49 U | 0.49 U | 0.49 U | 0.48 U | 0.5 U | 0.48 U | 0.47 U | 0.48 U | 0.48 U | 0.5 U | 0.49 U | 0.48 U | 0.49 U | 0.48 U |
| Diclofop, Methyl | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| Dinoseb | 0.5 U | 0.49 U | 0.49 U | 0.49 U | 0.48 U | 0.5 U | 0.48 U | 0.47 U | 0.48 U | 0.48 U | 0.5 U | 0.49 U | 0.48 U | 0.49 U | 0.48 U |
| Diuron | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Endosulfan I | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Endosulfan II | 0.1 UJ | 0.1 UJ | 0.098 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.096 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Endosulfan Sulfate | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Fenhexamid | 1 UJ | 0.99 UJ | 0.98 UJ | 0.97 UJ | 0.95 UJ | 1 UJ | 0.96 UJ | 0.95 UJ | 0.96 UJ | 0.96 UJ | 1 UJ | 0.97 UJ | 0.96 UJ | 0.97 UJ | 0.96 UJ |
| Fenpropathrin | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Imidan | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.19 UJ | 0.2 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.2 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ |
| Ioxynil | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.0063 J | 0.097 U | 0.096 U |
| Kresoxim-methyl | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| MCPA | 0.2 U | 0.2 U | 0.2 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| MCPP | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| Metribuzin | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |

**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Myclobutanil | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Oxyfluorfen | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Pendimethalin | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Pentachlorophenol | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| Picloram | 1 UJ | 0.99 UJ | 0.98 UJ | 0.97 UJ | 0.95 UJ | 1 UJ | 0.96 UJ | 0.95 UJ | 0.96 UJ | 0.96 UJ | 1 UJ | 0.97 UJ | 0.96 UJ | 0.97 UJ | 0.96 UJ |
| Propargite | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| Silvex | 0.2 U | 0.2 U | 0.2 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| Simazine | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.09 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| SURFLAN | 2 UJ | 1.97 UJ | 2 UJ | 2 UJ | 1.9 UJ | 2 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ | 2 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ |
| Terbacil | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 1.9 UJ | 2 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ | 2 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ |
| Trichlorpyr | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.096 U | 0.096 U | 0.1 U | 0.097 U | 0.096 U | 0.097 U | 0.096 U |
| Triflumizole | 0.4 UJ | 0.39 UJ | 0.39 UJ | 0.39 UJ | 0.38 UJ | 0.4 UJ | 0.39 UJ | 0.38 UJ | 0.39 UJ | 0.39 UJ | 0.4 UJ | 0.39 UJ | 0.39 UJ | 0.39 UJ | 0.39 UJ |
| Trifluralin | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.098 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.095 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |

**Abbreviations**
SO - soil
WW - water well
NA - Not analyzed
**Units**
ug/L = micrograms per liter
mg/L = milligrams per liter
**Data Qualifiers**
< = less than

J = The analyte was positively identified. The associated numerical value is an estimate.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.

UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.

**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| WW-16 | WW-17 | WW-18 | WW-19 |
|---|---|---|---|
| 10154216 | 10154217 | 10154218 | 10154219 |
| Downgradient Well | Downgradient Well | Downgradient Well | Downgradient - Septic |
| Water | Water | Water | Water |
| ug/L | ug/L | ug/L | ug/L |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.48 U | 0.49 U | 0.48 U | 0.48 U |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.48 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ |
| 0.48 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.48 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ |
| 0.48 U | 0.49 U | 0.48 U | 0.48 U |
| 0.1 UJ | 0.057 J | 0.1 UJ | 0.1 UJ |
| 0.19 J | 0.18 J | 0.048 J | 0.1 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.96 UJ | 0.97 UJ | 0.96 UJ | 0.97 UJ |
| 0.48 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.096 UJ | 0.097 UJ | 0.096 UJ | 0.097 UJ |
| 0.48 U | 0.49 U | 0.48 U | 0.48 U |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.48 U | 0.49 U | 0.48 U | 0.48 U |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.96 UJ | 0.97 UJ | 0.96 UJ | 0.97 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |



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**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| | | | |
|---|---|---|---|
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.96 UJ | 0.97 UJ | 0.96 UJ | 0.97 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 1.9 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ |
| 1.9 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ |
| 0.096 U | 0.097 U | 0.096 U | 0.097 U |
| 0.38 UJ | 0.39 UJ | 0.39 UJ | 0.39 UJ |
| 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |



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**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| WW-20 | WW-21 | WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 |
|---|---|---|---|---|---|---|---|---|
| 10154220 | 10154221 | 10164222 | 10154223 | 10154224 | 10154225 | 10154226 | 10154227 | 10154228 |
| Downgradient - Septic | Downgradient - Septic | Downgradient - Septic | Downgradient - Mint | Downgradient - Mint | Downgradient - Corn | Downgradient - Hops | Downgradient - Hops | Downgradient - Corn |
| Water | Water | Water | Water | Water | Water | Water | Water | Water |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.48 U | 0.47 U | 0.47 U | 0.48 U | 0.49 U | 0.49 U | 0.48 U | 0.48 U | 0.48 U |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.48 UJ | 0.47 UJ | 0.47 UJ | 0.48 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ | 0.48 UJ |
| 0.48 UJ | 0.47 UJ | 0.47 UJ | 0.48 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ | 0.48 UJ |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.48 UJ | 0.47 UJ | 0.47 UJ | 0.48 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ | 0.48 UJ |
| 0.48 U | 0.47 U | 0.47 U | 0.48 U | 0.49 U | 0.49 U | 0.48 U | 0.48 U | 0.48 U |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.03 J | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.017 J | 0.1 UJ | 0.025 J | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.091 J | 0.094 U | 0.094 U | 0.028 J | 0.033 J | 0.03 NJ | 0.097 U | 0.097 U | 0.097 U |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.2 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.96 UJ | 0.94 UJ | 0.94 UJ | 0.96 UJ | 0.98 UJ | 0.97 UJ | 0.97 UJ | 0.97 UJ | 0.97 UJ |
| 0.48 UJ | 0.47 UJ | 0.47 UJ | 0.48 UJ | 0.49 UJ | 0.49 UJ | 0.48 UJ | 0.48 UJ | 0.48 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.096 UJ | 0.094 UJ | 0.094 UJ | 0.096 UJ | 0.1 UJ | 0.097 UJ | 0.097 UJ | 0.097 UJ | 0.097 UJ |
| 0.48 U | 0.47 U | 0.47 U | 0.48 U | 0.49 U | 0.49 U | 0.48 U | 0.48 U | 0.48 U |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.48 U | 0.47 U | 0.47 U | 0.48 U | 0.49 U | 0.49 U | 0.48 U | 0.48 U | 0.48 U |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.96 UJ | 0.94 UJ | 0.94 UJ | 0.96 UJ | 0.98 UJ | 0.97 UJ | 0.97 UJ | 0.97 UJ | 0.97 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ | 0.2 UJ | 0.2 UJ | 0.19 UJ | 0.19 UJ | 0.19 UJ |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |

**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.96 UJ | 0.94 UJ | 0.94 UJ | 0.96 UJ | 0.98 UJ | 0.97 UJ | 0.97 UJ | 0.97 UJ | 0.97 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 0.19 U | 0.19 U | 0.19 U | 0.19 U | 0.2 U | 0.19 U | 0.19 U | 0.19 U | 0.19 U |
| 0.1 UJ | 0.09 UJ | 0.09 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |
| 1.9 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ | 2 UJ | 2 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ |
| 1.9 UJ | 1.9 UJ | 1.88 UJ | 1.9 UJ | 2 UJ | 2 UJ | 1.9 UJ | 1.9 UJ | 1.9 UJ |
| 0.096 U | 0.094 U | 0.094 U | 0.096 U | 0.1 U | 0.097 U | 0.097 U | 0.097 U | 0.097 U |
| 0.38 UJ | 0.38 UJ | 0.38 UJ | 0.38 UJ | 0.39 UJ | 0.39 UJ | 0.39 UJ | 0.39 UJ | 0.39 UJ |
| 0.1 UJ | 0.094 UJ | 0.094 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ | 0.1 UJ |



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**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| WW-29 | WW-30 | SO-01 | SO-02 | SO-03 | SO-04 | SO-05 | SO-06 | SO-07 |
|---|---|---|---|---|---|---|---|---|
| 10154229 | 10164230 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| Field Blank | Downgradient Well | Manure | Soil – Dairy Applicati | Manure | Soil – Dairy Applicati | Manure | Soil – Dairy Applicati | Manure |
| Water | Water | Solid | Solid | Solid | Solid | Solid | Solid | Solid |
| ug/L | ug/L | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| 0.19 U | 0.19 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.49 U | 0.48 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.19 U | 0.19 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.49 UJ | 0.48 UJ | 96 UJ | 24 UJ | 45 UJ | 22 UJ | 37 UJ | 13 UJ | 62 UJ |
| 0.49 UJ | 0.48 UJ | 37 J | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.49 UJ | 0.48 UJ | 97 U | 1400 J | 31 J | 1800 J | 37 UJ | 1700 J | 44 J |
| 0.49 U | 0.48 U | 96 UJ | 24 UJ | 45 U | 22 UJ | 37 UJ | 13 UJ | 62 UJ |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.1 UJ | 0.02 J | 720 U | 1.1 J | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.1 UJ | 0.1 UJ | 720 UJ | 20 UJ | 71 UJ | 19 UJ | 62 UJ | 23 UJ | 87 UJ |
| 0.097 U | 0.015 J | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.19 UJ | 0.19 UJ | 96 UJ | 24 UJ | 45 UJ | 22 UJ | 37 UJ | 13 UJ | 62 UJ |
| 0.1 UJ | 0.1 UJ | 720 U | 1.3 J | 11 J | 1.7 J | 8.6 J | 5.9 J | 13 J |
| 0.97 UJ | 0.96 UJ | 96 U | 24 U | 45 U | 22 U | 36 J | 13 U | 62 U |
| 0.49 UJ | 0.48 UJ | 7 J | 24 U | 9 J | 22 U | 28 J | 13 U | 10 J |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.097 UJ | 0.096 UJ | 4.9 J | 24 U | 4.1 J | 22 U | 3.8 J | 13 U | 4.4 J |
| 0.49 U | 0.48 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 UJ | 22 U | 37 U | 13 U | 62 U |
| 0.49 U | 0.48 U | 96 UJ | 24 UJ | 45 UJ | 22 UJ | 37 UJ | 13 UJ | 62 UJ |
| 0.1 UJ | 0.1 UJ | 720 UJ | 3.2 J | 71 UJ | 2.1 J | 8.3 J | 23 UJ | 22 J |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.1 UJ | 0.1 UJ | 720 U | 1.3 J | 71 U | 1.1 J | 62 U | 23 U | 87 U |
| 0.97 UJ | 0.96 UJ | 720 UJ | 20 UJ | 71 UJ | 19 UJ | 62 UJ | 23 UJ | 87 UJ |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.2 UJ | 0.19 UJ | 720 UJ | 20 UJ | 71 UJ | 19 UJ | 62 UJ | 23 UJ | 87 UJ |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.19 U | 0.19 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.1 UJ | 0.1 UJ | 720 UJ | 20 UJ | 71 UJ | 19 UJ | 62 UJ | 23 UJ | 87 UJ |



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**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 5.7 J | 62 U | 23 U | 87 U |
| 0.017 J | 0.096 U | 96 U | 1 J | 0.9 J | 4.2 J | 1.9 J | 13 U | 3.2 J |
| 0.97 UJ | 0.96 UJ | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.19 U | 0.19 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 2 UJ | 1.9 UJ | 1400 UJ | 39 UJ | 140 UJ | 37 UJ | 120 UJ | 47 UJ | 170 UJ |
| 2 UJ | 1.9 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.097 U | 0.096 U | 96 U | 24 U | 45 U | 22 U | 37 U | 13 U | 62 U |
| 0.39 UJ | 0.19 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |
| 0.1 UJ | 0.1 UJ | 720 U | 20 U | 71 U | 19 U | 62 U | 23 U | 87 U |



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**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| SO-08 | SO-09 | SO-10 | SO-11 | SO-12 | SO-13 | SO-14 | SO-15 | SO-16 |
|---|---|---|---|---|---|---|---|---|
| 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| Soil – Dairy Applica | Manure | Soil – Dairy Applica | Soil - Mint Field | Soil - Mint Field | Soil - Corn Field | Soil - Corn Field | Soil - Hops Field | Soil - Hops Field |
| Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid |
| ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 UJ | 49 UJ | 13 UJ | 13 UJ | 14 UJ | 12 UJ | 12 UJ | 13 UJ | 10 UJ |
| 11 U | 49 U | 13 U | 13 U | 14 U | 69 | 6.1 J | 14 | 7 J |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 300 J | 49 UJ | 670 J | 1100 J | 410 J | 590 J | 190 J | 510 J | 410 J |
| 11 UJ | 49 UJ | 13 UJ | 13 UJ | 14 UJ | 12 UJ | 12 UJ | 13 UJ | 10 UJ |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 23 U | 79 U | 19 U | 26 U | 26 U | 1.6 J | 0.7 J | 21 U | 18 U |
| 23 UJ | 79 UJ | 19 UJ | 26 UJ | 26 UJ | 22 UJ | 25 UJ | 21 UJ | 18 UJ |
| 11 U | 49 U | 13 U | 38 | 2 J | 12 U | 12 U | 13 U | 10 U |
| 23 U | 79 U | 19 U | 0.5 J | 26 U | 22 U | 25 U | 21 U | 18 U |
| 11 U | 49 U | 13 U | 13 U | 4.1 J | 12 U | 12 U | 13 U | 10 U |
| 11 UJ | 49 UJ | 13 UJ | 13 UJ | 14 UJ | 12 UJ | 12 UJ | 13 UJ | 10 UJ |
| 1.5 J | 79 U | 2.3 J | 26 U | 0.5 J | 22 U | 25 U | 21 U | 18 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 11 J | 1 J | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 11 U | 4 J | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 UJ | 49 UJ | 13 UJ | 13 UJ | 14 UJ | 12 UJ | 12 UJ | 13 UJ | 10 UJ |
| 2.6 J | 79 UJ | 19 UJ | 7.9 J | 26 UJ | 22 UJ | 25 UJ | 21 UJ | 3 J |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 23 UJ | 79 UJ | 19 UJ | 26 UJ | 26 UJ | 22 UJ | 25 UJ | 21 UJ | 18 UJ |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 23 UJ | 79 UJ | 19 UJ | 26 UJ | 26 UJ | 22 UJ | 25 UJ | 21 UJ | 18 UJ |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 23 UJ | 79 UJ | 19 UJ | 26 UJ | 26 UJ | 22 UJ | 25 UJ | 21 UJ | 18 UJ |

**Table A-8**
**Analytical Results for Pesticides Water Wells and Soil**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 23 U | 79 U | 19 U | 2.7 J | 26 U | 22 U | 25 U | 21 U | 26 |
| 23 U | 79 U | 19 U | 470 | 26 U | 22 U | 25 U | 21 U | 13 J |
| 23 U | 79 U | 19 U | 2100 | 1100 | 22 U | 25 U | 21 U | 18 U |
| 11 U | 49 U | 1.7 J | 0.7 J | 13 J | 12 U | 0.5 J | 1.6 J | 8.3 J |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 23 U | 79 U | 19 U | 1.6 J | 26 U | 22 U | 25 U | 21 U | 18 U |
| 46 UJ | 160 UJ | 39 UJ | 51 UJ | 52 UJ | 44 UJ | 50 UJ | 42 UJ | 36 UJ |
| 23 U | 79 U | 19 U | 1700 | 7.8 J | 22 U | 25 U | 21 U | 18 U |
| 11 U | 49 U | 13 U | 13 U | 14 U | 12 U | 12 U | 13 U | 10 U |
| 23 U | 79 U | 19 U | 26 U | 26 U | 22 U | 25 U | 21 U | 18 U |
| 23 U | 79 U | 19 U | 3.1 J | 26 U | 22 U | 25 U | 21 U | 18 U |



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**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 | WW-11 | WW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | 10154206 | 10154207 | ###### | ###### | ###### | ####### | #### |
| **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradient Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well |
| **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| **Compound** **Units** | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/ |
| 1,4-dichlorobenzene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| 1-methylnaphthalene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| 2,2',4,4'-tetrabromodiphenyl ether | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 |
| 2,6-dimethylnaphthalene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| 2-methylnaphthalene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| 3,4-dichlorophenyl isocyanate | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 |
| 3-beta-coprostanol | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 |
| 3-methyl-1h-indole (skatol) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| 3-tert-butyl-4-hydroxyanisole (bha) | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 |
| 4-cumylphenol | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 UJ | 0.2 U | 0.2 UJ | 0.2 |
| 4-n-octylphenol | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 UJ | 0.2 U | 0.2 UJ | 0.2 |
| 4-nonylphenol monoethoxylate - total (np1eo) | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 UJ | 1.6 U | 1.6 UJ | 1.6 |
| 4-octylphenol diethoxylate (op2eo) | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 |
| 4-octylphenol monoethoxylate (op1eo) | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 UJ | 1 UJ | 1 U | 1 JU | 1 |
| 4-tert-octylphenol | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.4 UJ | 0.4 U | 0.4 JU | 0.4 |
| 5-methyl-1h-benzotriazole | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 0.2 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 |
| acetophenone | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.4 UJ | 0.4 U | 0.4 UJ | 0.4 |
| acetyl-hexamethyl-tetrahydro-naphthalene ( ahtn) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| anthracene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| anthraquinone | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| atrazine | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| benz[a]pyrene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| benzophenone | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| beta-sitosterol | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 0.2 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 |
| beta-stigmastanol | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 0.2 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 |
| bis-(2-ethylhexyl) phthalate (dehp) | 2.66 | 2 U | 5.26 | 2 U | 2 U | 1.74 J | 0.2 U | 2 U | 2 U | 2 U | 2.77 J | 2 |
| bisphenol a | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.2 UJ | 0.4 UJ | 0.4 UJ | 0.4 U | 0.4 UJ | 0.4 |
| bromacil | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.2 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 |
| bromoform | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| caffeine | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 R | 0.2 U | 0.2 |
| camphor | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| carbaryl | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| carbazole | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| chlorpyrifos | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| cholesterol | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 0.2 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 |
| cotinine | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.2 U | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 |
| diazinon | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| dichlorvos | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| diethoxynonylphenols- total (np2eo) | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 0.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 |
| diethyl phthalate | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.585 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| d-limonene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |

**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| fluoranthene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| hexahydrohexamethyl cyclopentabenzopyran (hhcb) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| indole | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| isoborneol | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| isophorone | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| isopropylbenzene (cumene) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| isoquinoline | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| menthol | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| metalaxyl | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| methyl salicylate | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| metolachlor | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| n,n-diethyl-meta-toluamide (deet) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| naphthalene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.242 | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| para-nonylphenol total | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 | U | 1.6 U | 0.2 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 UJ | 1.6 |
| p-cresol | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| pentachlorophenol | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 | U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 UJ | 1.6 U | 1.6 UJ | 1.6 |
| phenanthrene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| phenol | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 UJ | 0.2 U | 0.2 UJ | 0.2 |
| prometon | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| pyrene | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 |
| tetrachloroethylene | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 | U | 0.4 U | 0.175 J | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 |
| tri(2-butoxyethyl) phosphate | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| tri(2-chloroethyl) phosphate | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| tri(dichloroisopropyl) phosphate | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| tributyl phosphate | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| triclosan | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| triethyl citrate (ethyl citrate) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| triphenyl phosphate | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 | U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |

**Abbreviations**

WWTP - Wastewater Treatment Plant Influent

**Units**

ug/L = micrograms per liter

**Data Qualifiers**

J = The analyte was positively identified. The associated numerical value is an estimate.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.
UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.

**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| -12 | WW-13 | WW-14 | WW-15 | WW-16 | WW-17 | WW-18 | WW-19 |
|---|---|---|---|---|---|---|---|
| ### | ###### | ###### | ###### | ###### | ####### | ###### | ###### |
| ngr ent ell | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgra dient Well | Downgr adient Well | Downgr adient - Septic |
| ter | Water | Water | Water | Water | Water | Water | Water |
| /L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U |
| U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ |
| UJ | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U |
| UJ | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U |
| UJ | 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 U |
| UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ |
| UJ | 1 U | 1 UJ | 1 U | 1 U | 1 U | 1 UJ | 1 U |
| UJ | 0.4 U | 0.4 UJ | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.4 U |
| UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ |
| UJ | 0.4 U | 0.4 UJ | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.4 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U |
| U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U |
| U | 2 U | 2 U | 2 U | 2 U | 1.03 | 2 U | 2 U |
| UJ | 0.4 U | 0.4 UJ | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.4 U |
| U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U |
| UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |



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**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| UJ | 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| UJ | 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| UJ | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |



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**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| WW-20 | WW-21 | WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 | WW-29 | WW-30 | LG-01 | LG-02 | LG-03 | LG-04 | LG-05 | LG-06 | LG-07 | LG-08 | LG-09 | LG-10 | LG-11 | LG-12 | LG-13 | LG-1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ###### | ###### | ###### | ###### | ###### | 10154225 | ###### | ####### | ###### | 10154229 | ####### | 10154251 | 10154252 | 1E+07 | 10154254 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 10164260 | 1E+07 | 1E+07 | 10164263 | 10164 |
| Downgradient - Septic | Downgradient - Septic | Downgradient - Septic | Downgradient - Mint | Downgradient - Mint | Downgradient - Corn | Downgradient - Hops | Downgradient - Hops | Downgradient - Corn | Field Blank | Downgradient Well | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dair Lago |
| Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liqui |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 UJ | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 0.3 U | 0.3 UJ | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 0.3 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.3 UJ | 0.3 UJ | 0.3 UJ | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 UJ | 2 UJ | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 3.41 J | 2.01 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 1.6 U | 1.6 UJ | 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 1.6 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 30 U | 30 |
| 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 95.6 J | 48.2 J | 62.9 J | 23.1 J | 4.22 J | 16.7 J | 14.9 J | 200 J | 37.6 J | 12 J | 2.82 J | 2.6 J | 591 J | 356 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 22.2 J | 40.9 J | 146 J | 24.2 J | 3.56 J | | 34.9 J | 373 J | 170 J | 6.93 J | 45.4 J | 48.3 J | 1360 J | 1170 |
| 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 2 UJ | 2 |
| 0.2 U | 0.2 R | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 2 U | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 R | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 2 U | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 R | 30 U | 30 |
| 1.6 U | 1.6 R | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 48 J | 39.5 J | 54.6 J | 2.32 J | 1.48 J | 10.1 J | 8.09 J | 165 J | 45.9 J | 23.8 J | 3.14 J | 3.06 J | 745 J | 559 |
| 0.5 UJ | 0.5 R | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 2 U | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 48.4 | 2 UJ | 0.5 UJ | 0.5 UJ | 0.5 R | 30 U | 30 |
| 1 U | 1 R | 1 UJ | 1 U | 1 U | 1 U | 1 U | 1 U | 1 UJ | 1 U | 1 U | 2 U | 2 R | 2 R | 0.697 J | 2 R | | 2 J | 30 U | 2 UJ | 1 UJ | 1 UJ | 1 R | 30 U | 30 |
| 0.4 U | 0.4 R | 0.4 UJ | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.349 J | 0.4 U | 2 U | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 U | 2 UJ | 0.4 UJ | 0.4 UJ | 0.4 R | 30 U | 30 |
| 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 1.6 UJ | 2 |
| 0.4 U | 0.4 R | 0.4 UJ | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.4 U | 0.4 U | 2 U | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 U | 2 UJ | 0.4 UJ | 0.4 UJ | 0.4 R | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 UJ | 2 UJ | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 104 J | 77.6 J | 82 J | 43.5 J | 7.07 J | 15.2 J | 23.7 J | 219 J | 56.6 J | 14.6 J | 2.41 J | 2.22 J | 613 J | 312 |
| 1.7 U | 1.7 UJ | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 1.7 U | 135 J | 77.5 J | 91.3 J | 34.1 J | 4.38 J | | 19.3 J | 292 J | 52 J | 12.5 J | 2.73 J | 2.64 J | 535 J | 260 |
| 2 U | 2 UJ | 2 U | 2 U | 2 U | 2 U | 2 U | 1.25 J | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 4.58 J | 2 U | 2 UJ | 30 U | 30 |
| 0.4 U | 0.4 R | 0.4 UJ | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 UJ | 0.4 U | 0.4 U | 2 U | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 U | 0.4 UJ | 0.4 UJ | 0.4 UJ | 0.4 R | 30 U | 30 |
| 0.8 U | 0.8 UJ | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 0.8 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 0.8 UJ | 2 UJ | 30 U | 2 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 2 UJ | 2 UJ | 2 UJ | 2 R | 1.02 J | 2 UJ | 2 R | 30 U | 2 UJ | 0.282 J | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 34 U | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 243 J | 81.4 J | 121 J | 59.6 J | 12.3 J | 25.9 J | 37.3 J | 377 J | 78.3 J | 76.4 J | 3.83 J | 3.71 J | 808 J | 406 |
| 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 2 UJ | 2 UJ | 0.8 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 0.8 UJ | 2 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 3.2 U | 3.2 R | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 3.2 U | 66 J | 41.6 J | 41.8 J | 2.16 J | 2 UJ | 2 UJ | 4.87 J | 46.5 J | 3.2 UJ | 36.4 J | 2.24 J | 2.02 J | 293 J | 247 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.69 | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 15.1 J | 0.2 UJ | 0.2 U | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 12.2 J | 0.2 UJ | 0.2 UJ | 30 U | 0.892 |

**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 U | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 25.6 J | 2 U | 1.17 J | 20.1 J | 30 U | 13 J | 6.46 | 4.04 J | 4.57 J | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 37.2 J | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 1.06 J | 2 UJ | 5.33 J | 0.2 U | 0.2 U | 2.36 J | 2.12 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 0.224 J | 1.01 J | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.29 | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2.24 J | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 1.6 U | 1.6 UJ | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 2 U | 35.5 J | 49.8 J | 2 UJ | 3.17 J | 17.9 J | 2 UJ | 81.2 J | 18.1 J | 7.16 J | 37.4 J | 32.1 J | 328 J | 233 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.216 | 0.2 U | 25600 J | 5480 J | 9010 J | 1110 J | 14.7 J | 112 J | 1880 J | 9600 J | 4690 J | 787 J | 889 J | 1350 J | 10800 J | 8970 |
| 1.6 U | 0.8 R | 1.6 UJ | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 UJ | 1.6 U | 1.6 U | 32 U | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 60 U | 2 UJ | 0.8 UJ | 0.8 UJ | 0.8 R | 1.6 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 R | 2 R | 2 R | 2 R | 2 R | 2 R | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 0.2 U | 0.2 R | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 UJ | 0.2 U | 1.42 | 1970 J | 1100 J | 1360 J | 147 J | 3.85 J | 31.3 J | 245 J | 2930 J | 1120 J | 56.6 J | 66.6 J | 125 J | 4600 J | 2760 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 R | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 UJ | 2 R | 2 R | 2 R | 2 R | 2 R | 2 UJ | 30 UJ | 2 R | 0.2 R | 0.2 R | 0.2 R | 30 UJ | 30 |
| 0.4 U | 0.4 UJ | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 0.4 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.4 UJ | 0.4 UJ | 0.4 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.713 U | 0.2 U | 0.2 U | 0.2 U | 0.178 J | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.179 J | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.323 | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.202 J | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 J | 2 UJ | 2 UJ | 2 U | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 0.2 UJ | 0.2 UJ | 0.2 UJ | 30 U | 30 |
| 0.2 U | 0.2 UJ | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.285 | 0.2 U | 2 U | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 2 UJ | 30 U | 2 UJ | 1.47 J | 0.2 UJ | 0.2 UJ | 30 U | 30 |

**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| 4 | LG-15 | SP-01 | SP-02 | SP-03 |
|---|---|---|---|---|
| 264 | 1E+07 | 10154271 | 10154272 | 10154273 |
| y on | Dairy Lagoon | WWTP | WTTP | WWTP |
| d | Liquid | Liquid | Liquid | Liquid |
| | ug/L | ug/L | ug/L | ug/L |
| UJ | 2 UJ | 2.42 J | 2.18 J | 1.42 J |
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.2 UJ |
| U | 2 UJ | 2 U | 0.3 U | 0.3 U |
| J | 2 R | 2 UJ | 0.2 UJ | 0.2 UJ |
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.2 UJ |
| U | 2 UJ | 2 U | 1.6 U | 1.6 U |
| J | 46.8 J | 227 J | 75.9 J | 166 J |
| J | 330 J | 3.89 J | 2.97 J | 4.06 J |
| UJ | 2 UJ | 3.75 J | 0.2 UJ | 0.2 U |
| U | 2 UJ | 2 U | 0.2 R | 0.2 R |
| U | 2 UJ | 2 U | 0.489 R | 0.2 R |
| J | 166 J | 2.66 J | 2.86 R | 1.6 R |
| U | 2 UJ | 2 UJ | 7.9 | *4.45* |
| U | 2 UJ | 1.77 J | 1 R | 0.733 J |
| U | 2 UJ | 1.02 J | 0.335 J | 0.4 R |
| UJ | 2 UJ | 2 UJ | 1.6 UJ | 1.6 UJ |
| U | 2 UJ | 0.743 J | 0.239 J | 0.4 R |
| U | 2 UJ | 0.406 J | 5.25 U | 0.283 J |
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.2 UJ |
| U | 2 UJ | 2 U | 9.98 U | 0.2 U |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.2 UJ |
| UJ | 2 R | 1.03 J | 0.408 J | 0.486 J |
| J | 77.6 J | 19.3 J | 19 J | 24.3 U |
| J | 45.3 J | 7.94 J | 19.9 J | 8.04 J |
| U | 2 UJ | 4.35 J | 3.95 J | 2.42 J |
| U | 2 UJ | 2 J | 0.4 R | 0.4 R |
| U | 2 UJ | 2 U | 2.34 U | 0.8 U |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 81.3 U | 8.59 | 18.1 |
| U | 2 UJ | 1.79 J | 0.398 J | 1.07 J |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| J | 114 J | 77.5 J | 118 J | 181.6 J |
| UJ | 2 UJ | 0.8 UJ | 0.8 UJ | 0.8 U |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| J | 55.3 J | 8.84 J | 11.2 J | 15.6 J |
| U | 2 UJ | 8.03 J | 4.03 J | 1.83 J |
| J | 2 UJ | 4.92 | 2.3 J | 7.74 J |

**Table A-9**
**Analytical Results for Trace Organics in Water Wells, Lagoons and Wastewater Treatment Plant Influent**
**Yakima Valley Nitrates - Phase 3**

| | | | | |
|---|---|---|---|---|
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.393 J |
| U | 2 UJ | 3.5 | 5.95 J | 3.2 J |
| U | 6.68 J | 3.4 J | 18.1 J | 1.81 J |
| U | 2 UJ | 2 J | 0.395 J | 1.02 J |
| J | 1.26 J | 2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 2 U | 3.9 U | 0.2 U |
| U | 2 UJ | 24.5 J | 8.6 J | 15.3 J |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 1.06 | 0.306 J | 1.28 J |
| U | 2 UJ | 2 U | 0.374 U | 0.2 U |
| U | 2 UJ | 0.986 J | 0.476 U | 0.2 U |
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.2 UJ |
| J | 129 J | 3.9 J | 2.79 U | 1.74 J |
| J | 935 J | 69.4 J | 11.4 J | 27.8 J |
| U | 2 UJ | 2 U | 1.6 R | 0.8 R |
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.2 UJ |
| J | 1780 J | 16.4 J | 6.84 R | 12.8 J |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |
| UJ | 2 R | 2 UJ | 0.2 UJ | 0.242 J |
| U | 2 UJ | 2 U | 0.4 U | 0.4 U |
| U | 2 UJ | 1.86 | 0.2 U | 2.06 J |
| U | 2 UJ | 0.413 J | 0.2 U | 0.2 U |
| U | 2 UJ | 39.5 J | 0.2 U | 0.2 U |
| U | 2 UJ | 0.2 U | 0.2 U | 0.2 U |
| U | 2 UJ | 6.19 | 1.62 J | 3.53 J |
| U | 2 UJ | 1.56 J | 0.351 J | 0.724 J |
| U | 2 UJ | 2 U | 0.2 U | 0.2 U |

**Table A-10**
**Analytical Results for Wastewater Pharmaceutical Results**
**Yakima Valley Nitrates - Phase 3**

| | **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 | WW-11 | WW-12 | WW-13 | WW-14 | WW-15 | WW-16 | WW-17 | WW- |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | ##### | ##### | ##### | ##### | ###### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ### |
| | **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradient Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Dow radic We |
| | **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Wat |
| | **Units** | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/ |
| **Compound** | **Description** | | | | | | | | | | | | | | | | | | |
| Acetaminophen | Pain Reliever (Tylenol) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Amphetamine | Psychostimulant (Dexedrine) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Azithromycin | Antibiotics (Zithromax) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Caffeine | Stimulant | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Carbamazepine | Anticonvulsant | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Cotinine | Metabolite of nicotine | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| DEET | Insect repellent | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.67 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Diphenhydramine | Antihistimine | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Ibuprofen | Pain reliever | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Methamphetamine | Psychostimulant | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Naproxen | Pain reliever (Aleve) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Paraxanthine | Stimulant (metabolite of caffeine) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Thiabendazole | Parasiticide (mintezol) | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |
| Triclosan | Antibacterial | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 |

**Abbreviations**
LG - Dairy waste lagoon
NA - Not analyzed
SP - wastewater treatment plant influent
WW - water well
WWTP - wastewater treatment plant
**Units**
ug/L = micrograms per liter
ug/Kg = micrograms per kilogram
**Data Qualifiers**
J = The analyte was positively identified. The associated numerical value is an estimate.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.
UJ = The analyte was not detected at or above the reported estimated result. The

**Table A-10**
**Analytical Results for Wastewater Pharmaceutical Results**
**Yakima Valley Nitrates - Phase 3**

| -18 | WW-19 | WW-20 | WW-21 | WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 | WW-29 | WW-30 | LG-01 | LG-02 | LG-03 | LG-04 | LG-05 | LG-06 | LG-07 | LG-08 | LG-09 | LG-10 | LG-11 | LG-12 | LG-13 | LG-14 | LG-15 | SP-01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ## | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | 10164230 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| ng ent ll | Downgradient - | Downgradient - | Downgradient - | Downgradient - | Downgradient - Mint | Downgradient - Mint | Downgradient - Corn | Downgradient - Hops | Downgradient - Hops | Downgradient - Corn | Field Blank | Downgradient Well | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | WWTP |
| er | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid |
| L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 32 |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.5 |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.42 | 0.36 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.4 | 0.48 | 0.61 | 0.58 | 0.67 | 0.78 | 0.45 | 1.6 |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.3 | 2.3 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.5 |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 22 |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 11 |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 4.7 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1.9 | 0.2 U | 0.2 U | 1.3 | 0.2 U | 0.2 U | 1.8 | 0.2 U | 0.57 |
| U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | NA | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 1 |



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**Table A-10**
**Analytical Results for Wastewater Pharmaceutical Results**
**Yakima Valley Nitrates - Phase 3**

| SP-02 | SP-03 | SO-01 | SO-02 | SO-03 | SO-04 | SO-05 | SO-06 | SO-07 | SO-08 | SO-09 | SO-10 | SO-11 | SO-12 | SO-13 | SO-14 | SO-15 | SO-16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| WWTP | WWTP | Manure | Soil – Dairy | Manure | Soil – Dairy Applic | Manure | Soil – Dairy Applic | Manure | Soil – Dairy Applic | Manure | Soil – Dairy Applic | Application | Application | Application | Solid | Application | Application |
| Liquid | Liquid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid |
| ug/L | ug/L | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| | | | | | | | | | | | | | | | | | |
| 17 | 83 | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U | 100 U |
| 0.2 U | 0.2 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 0.2 U | 0.2 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 42 | 46 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 0.2 U | 0.2 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 0.59 | 2.2 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 1.6 | 0.88 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 0.2 U | 0.9 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 110 | 91 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 0.2 U | 0.2 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 13 | 59 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 0.2 U | 0.2 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 0.2 U | 0.2 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |
| 1.5 | 2.5 | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U | 50 U |



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**Table A-11**
**Analytical Results for Verterinary Pharmaceuticals**
**Yakima Valley Nitrates - Phase 3**

| **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 | WW-11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | ####### | ####### | ###### | ####### | ####### | ####### |
| **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradient Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgradient Well | Downgradient Well |
| **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| **Compound** **Units** | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| Chlortetracycline(total) | 0.02 U | 0.02 U | 0.02 U | 0.049 | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Erythromycin | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Lincomycin | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.04 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Monensin | 0.027 | 0.02 U | 0.028 UJ | 0.023 UJ | 0.022 UJ | 0.02 U | 0.109 | 0.02 U | 0.023 | 0.499 | 0.02 U |
| Oxytetracycline | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Ractopamine | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Sulfachloropyridazine | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Sulfadimethoxine | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.2 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Sulfamerazine | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Sulfamethazine | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Sulfamethazole | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Sulfamethoxazole | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Sulfathiazole | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Tetracyline | 0.02 U | 0.02 U | 0.041 J | 0.075 J | 0.02 U | 0.051 J | 0.041 J | 5.17 | 0.02 U | 0.02 U | 0.038 |
| Tiamulin | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Tylosin | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.029 |
| Virginiamycin | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.023 J | 0.02 U | 0.02 U | 0.02 U | 0.02 U |

**Abbreviations**

LG - dairy waste lagoon
NA - not analyzed
SO - solid
SP - wastewater treatment plant influent
WW - water well
WWTP - wastewater treatment plant

**Units**

ug/L = micrograms per liter
ug/Kg = micrograms per kilogram

**Data Qualifiers**

J = The analyte was positively identified. The associated numerical value is an estimate.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.
UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.



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**Table A-11**
**Analytical Results for Verterinary Pharmaceuticals**
**Yakima Valley Nitrates - Phase 3**

| WW-12 | WW-13 | WW-14 | WW-15 | WW-16 | WW-17 | WW-18 | WW-19 | WW-20 | WW-21 |
|---|---|---|---|---|---|---|---|---|---|
| ###### | 10154213 | 10154214 | 10154215 | ###### | ####### | 10154218 | ###### | ###### | ####### |
| Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient - Septic | Downgradient - Septic | Downgradient - Septic |
| Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 0.02 U | 0.02 U | 0.02 U | 0.119 | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.11 |
| 0.02 U | 0.085 UJ | 0.073 UJ | 0.02 U | 0.02 U | 0.02 U | 0.03 UJ | 0.02 U | 0.02 U | 0.371 |
| 0.02 U | 0.02 U | 0.033 | 0.393 UJ | 0.02 U | 0.02 U | 0.02 U | 1.62 | 0.02 U | 0.194 |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.079 |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.053 |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.04 |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.051 |
| 0.02 U | 0.02 U | 0.02 J | 0.02 U | 0.02 U | 0.049 | 0.042 | 0.02 U | 0.04 J | 0.02 U |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.05 |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| 0.02 U | 0.041 | 0.024 | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.162 |

**Table A-11**
**Analytical Results for Verterinary Pharmaceuticals**
**Yakima Valley Nitrates - Phase 3**

| WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 | WW-29 | WW-30 | LG-01 |
|---|---|---|---|---|---|---|---|---|---|
| 10164222 | ###### | ###### | 10154225 | ####### | ###### | ###### | ####### | ####### | 10154251 |
| Downgradient - Septic | Downgradient - Mint | Downgradient - Mint | Downgradient - Corn | Downgradient - Hops | Downgradient - Hops | Downgradient - Corn | Field Blank | Downgradient Well | Dairy Lagoo |
| Water | Water | Water | Water | Water | Water | Water | Water | | Liquid |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 R |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.185 | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 UJ |
| 0.038 UJ | 0.02 U | 0.02 U | 0.02 U | 0.376 | 0.02 U | 0.02 U | 0.059 | NA | 0.02 UJ |
| 0.02 U | 0.02 U | 0.02 U | 0.023 UJ | 0.319 | 0.02 U | 0.02 U | 0.2 U | NA | 44.97 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.2 | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 R |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.061 | 0.02 U | 0.02 U | 0.02 U | NA | 0.081 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 UJ |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | NA | 0.38 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 UJ |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.055 | 0.02 U | 0.02 U | 0.02 U | NA | 0.071 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | NA | 0.06 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.041 U | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 UJ |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.037 | 0.02 U | 0.02 U | 0.02 U | NA | 0.305 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | NA | 1.96 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.029 | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 UJ |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | NA | 0.381 J |
| 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.084 | 0.02 U | 0.02 U | 0.02 U | NA | 0.02 UJ |

**Table A-11**
**Analytical Results for Verterinary Pharmaceuticals**
**Yakima Valley Nitrates - Phase 3**

| LG-02 | LG-03 | LG-04 | LG-05 | LG-06 | LG-07 | LG-08 | LG-09 | LG-10 | LG-11 |
|---|---|---|---|---|---|---|---|---|---|
| 10154252 | 10154253 | 1E+07 | 1E+07 | 10154256 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo |
| Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 0.067 J | 0.02 R | 0.02 UJ | 0.075 J | 0.02 UJ | 0.02 R | 0.02 R | 0.02 R | 0.079 J | 0.02 R |
| 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.916 J | 0.02 UJ | 0.02 R | 0.02 R | 1.87 J | 0.02 R | 2 J |
| 0.02 UJ | 0.02 UJ | 0.02 UJ | 3.55 J | 8.5 J | 0.02 R | 0.02 R | 0.02 R | 1.7 J | 2.64 J |
| 1086 J | 420 J | 0.02 UJ | 430.2 J | 463.8 J | 0.02 R | 449.6 J | 337.7 J | 2.24 J | 85 J |
| 0.02 R | 0.02 R | 0.02 UJ | 1.24 J | 4.49 J | 0.02 R | 0.929 J | 0.02 R | 0.02 R | 0.02 R |
| 0.085 J | 0.078 J | 0.02 UJ | 0.04 J | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.048 J | 0.066 J |
| 0.02 UJ | 0.02 UJ | 0.02 UJ | 1.21 J | 0.157 J | 0.095 J | 0.254 J | 0.02 R | 0.043 J | 0.156 J |
| 4.68 J | 2.18 J | 0.02 UJ | 0.322 J | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.065 J | 0.841 J |
| 0.117 J | 0.02 UJ | 0.02 UJ | 0.068 J | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R |
| 0.109 J | 0.02 UJ | 0.02 UJ | 1.5 J | 0.17 J | 0.02 R | 0.39 J | 2.07 J | 0.077 J | 0.064 J |
| 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.114 J | 0.02 R |
| 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.133 J | 0.269 J |
| 0.312 J | 0.216 J | 0.02 UJ | 0.137 J | 0.829 J | 0.02 R | 0.872 J | 0.02 R | 0.038 J | 0.089 J |
| 5.83 J | 2.88 J | 0.02 UJ | 4.48 J | 5.41 J | 0.442 J | 6.07 J | 3.6 J | 6.55 J | 1.76 J |
| 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R |
| 1.85 J | 1.12 J | 0.02 UJ | 1.7 J | 10.22 J | 0.184 J | 0.02 R | 1.07 J | 0.02 R | 0.02 R |
| 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.334 J | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.816 J | 0.413 J |

**Table A-11**
**Analytical Results for Verterinary Pharmaceuticals**
**Yakima Valley Nitrates - Phase 3**

| LG-12 | LG-13 | LG-14 | LG-15 | SP-01 | SP-02 | SP-03 | SO-01 | SO-02 | SO-03 | SO-04 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1E+07 | 1E+07 | 1E+07 | 10164265 | 10154271 | 10154272 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | WWTP | WTTP | WWTP | Manure | Soil – Dairy Applicat | Manure | Soil – Dairy Applicat |
| Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Solid | Solid | Solid | Solid |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 UJ | 0.02 U | 0.5 U | 45.6 | 0.7 | 0.6 |
| 1.11 J | 1.3 J | 0.02 R | 4.35 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 2.1 | 0.5 U |
| 1.54 J | 3.37 J | 2.04 J | 1.71 UJ | 0.02 UJ | 0.02 R | 0.02 U | 17.1 | 0.5 U | 1.5 | 0.5 U |
| 135 J | 662 J | 498 J | 426 J | 0.02 UJ | 0.02 R | 0.02 U | 441 | 2.9 | 109 | 5.1 |
| 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 R | 0.02 UJ | 0.02 U | 4.5 | 2.4 | 251 | 3.2 |
| 0.046 J | 0.081 J | 0.056 J | 0.06 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.172 J | 0.32 J | 0.16 J | 0.658 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.875 J | 4.13 J | 3.65 J | 2.98 J | 0.021 J | 0.02 R | 0.02 U | 0.5 U | 1 | 0.5 U | 0.5 U |
| 0.02 R | 0.02 R | 0.02 R | 0.028 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.07 J | 0.108 J | 0.139 J | 0.601 J | 0.02 UJ | 0.02 R | 0.086 | 0.5 U | 0.5 U | 0.5 U | 0.9 |
| 0.02 R | 0.148 J | 0.02 R | 1.27 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.264 J | 0.02 R | 0.031 J | 0.037 J | 0.02 UJ | 0.106 J | 0.662 | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.065 J | 0.24 J | 0.061 J | 0.135 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1.91 J | 10.3 J | 8.6 J | 7.55 J | 0.55 J | 0.02 UJ | 0.02 U | 178 | 26.9 | 954 | 27.4 |
| 0.02 R | 0.079 J | 0.02 R | 0.132 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.02 R | 0.139 J | 0.02 R | 0.02 R | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 14.8 | 2.1 |
| 0.314 J | 0.184 J | 0.02 R | 1 J | 0.02 UJ | 0.02 R | 0.02 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |



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**Table A-11**
**Analytical Results for Verterinary Pharmaceuticals**
**Yakima Valley Nitrates - Phase 3**

| SO-05 | SO-06 | SO-07 | SO-08 | SO-09 | SO-10 | SO-11 | SO-12 | SO-13 | SO-14 | SO-15 | SO-16 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| Manure | Soil – Dairy Applicat | Manure | Soil – Dairy Applicat | Manure | Soil – Dairy Applic | Application | Application | Application | Application | Application | Application |
| Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid |
| ug/Kg | ug/Kg | ug/g | ug/g | ug/g | ug/g | ug/g | ug/g | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| 17.7 | 3 | 2303 | 13.5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 3.1 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 6.9 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1329 | 5.1 | 283 | 7.9 | 437 | 7 | 0.5 U | 4.3 | 0.5 U | 0.5 U | 4.5 | 0.7 |
| 0.5 U | 3.3 | 134 | 2.4 | 2.1 | 2.4 | 1.3 | 1.4 | 0.5 U | 1.3 | 10.5 | 5.3 |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 6.8 | 0.5 U | 0.5 U | 0.6 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.7 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 7.7 | 0.5 U | 2 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 17.9 | 16.5 | 2484 | 104 | 309 | 53 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 20.7 | 10.5 |
| 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 0.5 U | 0.5 U | 21.1 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 |
| 0.5 U | 0.5 U | 0.5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |

**Table A-12**
**Analytical Results for Hormornes - EPA Subsurface Laboratory, Ada, Oklahoma**
**Yakima Valley Nitrates - Phase 3**

| **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 | WW-11 | WW-12 | WW-13 | WW-14 | WW-15 | WW-16 | WW-17 | WW-18 | WW-19 | WW-20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### |
| **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradi ent Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient Well | Downgr adient - Septic | Downgr adient - Septic |
| **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| **Compound** **Units** | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L |
| 17-a-estradiol | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |
| 17-a-ethynyl-estradiol | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U |
| 17-b-estradiol | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U |
| Estriol | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U |
| Estrone | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U |

**Abbreviations**

LG - Dairy waste Dairy Lagoon
SP - wastewater treatment plant influent
WW - water well
WWTP - wastewater treatment plant

**Units**

ug/L = micrograms per liter

**Data Qualifiers**

J = The analyte was positively identified. The associated numerical value is an estimate.
U = The analyte was not detected at or above the reported value.

**Table A-12**
**Analytical Results for Hormornes - EPA Subsurface Laboratory, Ada, Oklahoma**
**Yakima Valley Nitrates - Phase 3**

| WW-21 | WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 | WW-29 | WW-30 | LG-01 | LG-02 | LG-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | ###### | 1E+07 | 1E+07 | 1E+07 |
| Downgradient - Septic | Downgradient - Septic | Downgradient - Mint | Downgradient - Mint | Downgradient - Corn | Downgradient - Hops | Downgradient - Hops | Downgradient - Corn | Field Blank | Downgradient Well | airy Lago | airy Lago | airy Lago |
| Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Liquid | Liquid | Liquid |
| ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L |
| 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 10320 | 1610 | 1590 |
| 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 0.16 U | 38.3 U | 20 U | 20 U |
| 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 0.14 U | 86.8 | 18 J | 21.3 |
| 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 0.22 U | 8.8 U | 8.8 U | 8.8 U |
| 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 0.21 U | 2660 | 1920 | 1950 |

**Table A-12**
**Analytical Results for Hormornes - EPA Subsurface Laboratory, Ada, Oklahoma**
**Yakima Valley Nitrates - Phase 3**

| LG-04 | LG-05 | LG-06 | LG-07 | LG-08 | LG-09 | LG-10 | LG-11 | LG-12 | LG-13 | LG-14 | LG-15 | SP-01 | SP-02 | SP-03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| airy Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lago | iry Lag | iry Lag | iry Lag | iry Lago | iry Lago | iry Lag | WWTP | WTTP | WWTP |
| Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid |
| ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L | ng/L |
| 3430 | 1100 | 1190 | 1730 | 1200 | 1270 | 292 | 570 | 559 | 1220 | 1050 | 792 | 7.6 U | 7.6 U | 7.6 U |
| 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 6.4 U | 6.4 U | 6.4 U |
| 555 | 44 | 38.5 | 38.2 | 25.4 | 22.3 | 16 J | 12 J | 11 J | 179 | 41 | 25.3 | 21.1 | 35.4 | 34.1 |
| 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 8.8 U | 1030 | 863 | 640 |
| 1100 | 3180 | 3300 | 592 | 1020 | 1050 | 73 | 453 | 451 | 390 | 419 | 830 | 77.1 | 96.4 | 72.7 |

**Table A-13**
**Analytical Results for Hormornes - Water Sciences Laboratory, Universit of Nebraska, Lincoln, NE**
**Yakima Valley Nitrates - Phase 3**

| **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 | WW-11 | WW-12 | WW-13 | WW-14 | WW-15 | WW-16 | WW-17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | 10154206 | 10154207 | 10154208 | 10164209 | 10164210 | 10154211 | 10154212 | ####### | ####### | 10154215 | 10154216 | 10154217 |
| **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradient Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well |
| **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| **Compound** **Units** | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 11-Keto Testosterone | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 17a-Hydroxyprogesterone | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.005 U | 0.003 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 17alpha-trenbolone | 0.003 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.004 U | 0.003 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 17beta-estradiol | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.006 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 17beta-trenbolone | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 | 0.004 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 4-Androstenedione | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 U | 0.002 U | 0.004 U | 0.003 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| a-Estradiol | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 | 0.002 U | 0.003 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| Androstanedienedione | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.003 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.004 J | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ |
| Androsterone | 0.006 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.005 UJ | 0.002 UJ | 0.002 UJ | 0.018 J | 0.002 U | 0.002 U | 0.019 J | 0.004 UJ | 0.008 J |
| a-Zearalanol | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.005 J | 0.009 J | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ |
| a-Zearalenol | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ |
| b-Zearalanol | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ |
| b-Zearalenol | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| Epitestosterone | 0.002 U | 0.002 U | 0.002 U | 0.003 U | 0.002 U | 0.002 U | 0.002 U | 0.003 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| Estriol | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| Estrone | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ |
| Ethynyl Estradiol | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| Melengesterol Acetate | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.004 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| Progesterone | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.004 UJ | 0.004 UJ | 0.007 UJ | 0.005 UJ | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ |
| Testosterone | 0.021 | 0.016 | 0.009 | 0.012 | 0.007 | 0.005 | 0.002 U | 0.003 | 0.008 | 0.002 U | 0.004 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |

**Abbreviations**
LG - dairy waste lagoon
NA - not analyzed
SO - solid
SP - wastewater treatment plant influent
WW - water well
WWTP - wastewater treatment plant

**Units**
ug/L = micrograms per liter
ug/Kg = micrograms per kilogram

**Data Qualifiers**
J = The analyte was positively identified. The associated numerical value is an estimate.
R = The data are unusable for all purposes.
U = The analyte was not detected at or above the reported value.
UJ = The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.

**Table A-13**
**Analytical Results for Hormornes - Water Sciences Laboratory, Universit of Nebraska, Lincoln, NE**
**Yakima Valley Nitrates - Phase 3**

| WW-18 | WW-19 | WW-20 | WW-21 | WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 | WW-29 | WW-30 | LG-01 | LG-02 | LG-03 | LG-04 | LG-05 | LG-06 | LG-07 | LG-08 | LG-09 | LG-10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ####### | 10154219 | 10154220 | ####### | ####### | 10154223 | 10154224 | 10154225 | ####### | 10154227 | ####### | ####### | 10164230 | 10154251 | 10154252 | 10154253 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| Downgradient Well | Downgradient - Septic | Downgradient - Septic | Downgradient - Septic | Downgradient - Septic | Downgradient - Mint | Downgradient - Mint | Downgradient - Corn | Downgradient - Hops | Downgradient - Hops | Downgradient - Corn | Field Blank | Downgradient Well | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo | Dairy Lagoo |
| Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.005 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.857 | 0.765 | 0.549 | 0.444 | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.006 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.131 | 0.038 | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.007 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.006 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.005 | 0.002 U | 0.002 U | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.006 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 | NA | 0.196 | 0.35 | 0.171 | 0.002 U | 0.5 | 0.101 | 0.107 | 0.16 | 0.204 | 0.033 |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.005 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | NA | 7.401 | 0.374 | 1.043 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.383 | 0.844 | 0.459 |
| 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 U | 0.003 | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.003 J | 0.002 U | 0.002 U | NA | 0.002 UJ | 0.074 J | 0.002 UJ | 0.002 U | 3.504 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 UJ | 0.004 J | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.022 UJ | 0.002 U | 0.002 U | NA | 1.48 J | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 UJ | 0.002 U | 0.002 U | NA | 1.643 J | 1.181 J | 2.889 J | 13.9 | 11.9 | 12.6 | 11.3 | 4.819 | 6.969 | 1.434 |
| 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 UJ | 0.002 U | 0.002 U | NA | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 U | 0.003 | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 UJ | 0.002 U | 0.004 U | NA | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.004 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.005 | 0.002 U | 0.002 U | NA | 0.002 U | 0.002 U | 0.002 U | 0.181 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 U | 0.004 | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.002 U | 0.002 UJ | 0.002 U | 0.002 U | NA | 0.994 J | 0.002 UJ | 0.002 UJ | 0.002 U | 1.945 | 1.666 | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.005 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.003 | NA | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U |
| 0.003 U | 0.002 UJ | 0.002 UJ | 0.002 U | 0.008 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.003 U | 0.002 UJ | 0.002 U | 0.005 | NA | 0.806 J | 0.532 J | 0.333 J | 0.002 U | 0.912 | 0.185 | 0.757 | 0.184 | 0.328 | 0.002 U |
| 0.003 | 0.002 U | 0.002 U | 0.002 U | 0.01 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.004 | 0.002 U | 0.002 U | NA | 0.032 | 0.002 U | 0.002 U | 0.002 U | 0.193 | 0.195 | 0.016 | 0.09 | 0.007 | 0.028 |

**Table A-13**
**Analytical Results for Hormornes - Water Sciences Laboratory, Universit of Nebraska, Lincoln, NE**
**Yakima Valley Nitrates - Phase 3**

| LG-11 | LG-12 | LG-13 | LG-14 | LG-15 | SP-01 | SP-02 | SP-03 | SO-01 | SO-02 | SO-03 | SO-04 | SO-05 | SO-06 | SO-07 | SO-08 | SO-09 | SO-10 | SO-11 | SO-12 | SO-13 | SO-14 | SO-15 | SO-16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 10154271 | 10154272 | 10154273 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 | 1E+07 |
| airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | airy Lagoo | WWTP | WTTP | WWTP | Manure | Soil – Dairy Applicat | Manure | Soil – Dairy Applicat | Manure | Soil – Dairy Applicat | Manure | Soil – Dairy Applicat | Manure | Soil – Dairy Applicat | Applicat ion | Applicat ion | Applicat ion | Applic ation | Applicat ion | Applicat ion |
| Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid | Solid |
| ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| 0.002 U | 0.002 U | 0.758 | 0.002 U | 0.002 U | 0.1 | 0.043 | 0.002 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 8.8 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.085 | 0.107 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.1 U | 0.1 U | 1.94 | 0.1 U | 0.1 U | 0.1 U | 3.64 | 0.1 U | 3.42 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 1.562 | 1.014 | 1.521 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.1 U | 0.1 U | 12.4 | 0.1 U | 1.48 | 0.1 U | 8.35 | 0.1 U | 4.37 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 1.059 | 0.439 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.29 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.411 | 0.23 | 0.314 | 0.31 | 0.002 U | 0.28 | 0.269 | 1.352 | 2.08 | 0.16 | 33.2 | 0.1 U | 5.63 | 0.12 | 10.2 | 0.1 U | 12.4 | 0.12 | 0.1 U | 0.12 | 0.1 U | 0.1 U | 0.16 | 0.13 |
| 2.92 | 3.268 | 0.002 U | 0.002 U | 0.002 U | 0.263 | 0.002 U | 0.002 U | 2.39 | 0.24 | 34.7 | 0.1 U | 0.1 U | 0.11 | 18.7 | 0.1 U | 16.9 | 0.1 U | 0.1 U | 0.11 | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.166 | 0.2 | 0.002 U | 0.002 U | 0.002 U | 0.255 J | 0.614 J | 14.1 J | 0.1 U | 0.1 U | 29.4 | 0.1 U | 15.4 | 0.1 U | 13.5 | 0.1 U | 19.3 | 0.1 U | 0.18 | 0.1 U | 0.1 U | 0.1 U | 0.15 | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 5.049 J | 2.137 J | 3.187 J | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 1.664 | 2.576 | 9.851 | 8.83 | 4.977 | 0.176 J | 0.22 J | 0.011 J | 17.4 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 8.015 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.06 | 0.002 U | 0.1 U | 0.1 U | 8.47 | 0.1 U | 0.1 U | 0.1 U | 2.78 | 0.1 U | 4.43 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.632 | 0.002 U | 0.55 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.48 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 6.3 | 0.1 U | 4.22 | 0.1 U | 10.5 | 0.1 U | 8.52 | 0.1 U | 4.06 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |
| 0.043 | 0.002 U | 0.002 U | 0.039 | 0.002 U | 0.002 U | 0.002 U | 0.002 U | 0.44 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.13 | 0.1 U | 0.1 U | 0.1 U |
| 0.251 | 0.248 | 0.926 | 0.682 | 0.002 U | 0.002 UJ | 0.002 UJ | 0.002 UJ | 2.83 | 0.1 U | 70.4 | 0.25 | 33.1 | 0.17 | 39 | 0.1 U | 48 | 0.23 | 0.14 | 0.17 | 0.1 U | 0.1 U | 0.13 U | 0.1 |
| 0.002 U | 0.024 | 0.262 | 0.17 | 0.002 U | 0.053 | 0.059 | 0.045 | 0.1 U | 0.1 U | 2.95 | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U | 0.1 U |

**Table A-14**
**Analytical Results for Sulfur Hexafluoride Age Dating**
**Yakima Valley Nitrates - Phase 3**

| Sample Location | Sample Type | Sample Media | Sample ID | $SF_6$ Age Range in Years |
|---|---|---|---|---|
| WW-01 | Upgradient well – Dairy | Water | 10154201 | Over Value |
| WW-02 | Supply well – Dairy | Water | 10154202 | 15.8 |
| | | | | 16.3 |
| WW-03 | Downgradient well – Dairy | Water | 10154203 | 24.8 |
| | | | | 25.8 |
| WW-04 | Downgradient well – Dairy | Water | 10154204 | 21.8 |
| | | | | 23.3 |
| WW-05 | Downgradient well – Dairy | Water | 10154205 | 18.3 |
| | | | | 20.8 |
| WW-06 | Upgradient – Dairy | Water | 10154206 | 16.3 |
| | | | | 15.8 |
| WW-07 | Supply well – Dairy | Water | 10154207 | 36.3 |
| | | | | 32.8 |
| WW-08 | Supply well – Dairy | Water | 10154208 | 35.3 |
| | | | | 40.8 |
| WW-09 | Supply well – Dairy | Water | 10154209 | 58.3 |
| | | | | 51.3 |
| WW-10 | Downgradient well – Dairy | Water | 10154210 | 44.3 |
| | | | | 44.8 |
| WW-11 | Downgradient well – Dairy | Water | 10154211 | Over Value |
| WW-12 | Downgradient well – Dairy | Water | 10154212 | Over Value |
| WW-13 | Downgradient well – Dairy | Water | 10154213 | 24.3 |
| | | | | 23.8 |
| WW-14 | Downgradient well – Dairy | Water | 10154214 | 30.8 |
| | | | | 29.3 |
| WW-15 | Downgradient well – Dairy | Water | 10154215 | 27.8 |
| | | | | 28.3 |
| WW-16 | Downgradient well – Dairy | Water | 10154216 | 29.8 |
| | | | | 28.8 |
| WW-17 | Downgradient well – Dairy | Water | 10154217 | 33.3 |
| | | | | 33.8 |
| WW-18 | Downgradient well – Dairy | Water | 10154218 | 27.8 |
| | | | | 28.3 |
| WW-19 | Downgradient well – Septic | Water | 10154219 | 44.3 |
| | | | | 34.3 |

**Table A-14**
**Analytical Results for Sulfur Hexafluoride Age Dating**
**Yakima Valley Nitrates - Phase 3**

| | | | | |
|---|---|---|---|---|
| WW-20 | Downgradient well – Septic | Water | 10154220 | 14.3 |
| | | | | 14.3 |
| WW-21 | Downgradient well – Septic | Water | 10154221 | 31.3 |
| | | | | 28.8 |
| WW-22 | Downgradient well – Septic | Water | 10154222 | 29.3 |
| | | | | 29.3 |
| WW-23 | Downgradient well – Mint | Water | 10154223 | Over Value |
| WW-24 | Downgradient well – Mint | Water | 10154224 | 14.8 |
| | | | | 15.8 |
| WW-25 | Downgradient well – Corn | Water | 10154225 | 10.3 |
| | | | | 9.8 |
| WW-26 | Downgradient well – Hops | Water | 10154226 | 12.8 |
| | | | | 11.8 |
| WW-27 | Downgradient well – Hops | Water | 10154227 | Over Value |
| | | | | 14.3 |
| WW-28 | Downgradient well - Corn | Water | 10154228 | Over Value |
| WW-29 | Blank | Water | 10154229 | NA |
| WW-30 | Downgradient well | Water | 10164230 | NA |

**Notes**

Over Value: These samples contained more SF6 than can be explained by equilibrium with $SF_6$ - Sulfur hexaflouride.

The SF6 recharge dating limit is around 1970. Any sample that has a model recharge date

**Table A-15**
**Analytical Results for Isotopic Analysis**
**Yakima Valley Nitrates**

| | **Location ID** | WW-01 | WW-02 | WW-03 | WW-04 | WW-05 | WW-06 | WW-07 | WW-08 | WW-09 | WW-10 | WW-11 | WW-12 | WW-13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Sample ID** | 10154201 | 10154202 | 10154203 | 10154204 | 10154205 | 10154206 | 10154207 | 10154208 | 10164209 | 10164210 | 10154211 | 10154212 | 10154213 |
| | **Sample Type** | Upgradient Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Upgradient Well | Dairy Supply Well | Dairy Supply Well | Dairy Supply Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well |
| | **Sample Matrix** | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| **Compound** | **Units** | | | | | | | | | | | | | |
| Nitrate | mg/L | 0.2 | 3 | 34 | 49.9 | 12.8 | 0.6 | 1.1 | 11.7 | NM | NM | 21.6 | 43.6 | 42 |
| δ15N-NO3 | ‰ | NM | 2.73 | 2.3 | 3.53 | 9.66 | NM | -0.09 | 5.3 | NM | NM | 3.03 | 6.21 | 11.17 |
| Ammonia | mg/L | <0.1 | <0.1 | 0.3 | 0.8 | 0.3 | 0.1 | <0.1 | 0.2 | 0.1 | <0.1 | <0.1 | <0.1 | 0.1 |
| δ15N-NH4 | ‰ | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| δ18O-NO3 | ‰ SMOW | NM | 15.1 | 29 | -4.5 | 7.1 | NM | NM | 22.6 | NM | NM | 18.22 | -1.4 | 15.9 |

**Abbreviations**
NM = Insufficient Nitrate to complete analysis
NA = Not analyzed
‰ = parts per thousand difference from the
SMOW = standard mean of ocean water
WWTP - wastewater treatment plant influent

**Units**
mg/L - milligrams per liter

$$\delta^{15}N\ (‰.) = \frac{(^{15}N/^{14}N)_{sample} - (^{15}N/^{14}N)_{standard}}{(^{15}N/^{14}N)_{standard}} * 1000$$

δ15N-NO3 = Nitrogen isotopes of nitrate.
δ15N-HN4 = Nitrogen isotopes of ammonia.
δ180-NO3 = Oxygen isotopes of nitrate. Ratio



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**Table A-15**
**Analytical Results for Isotopic Analysis**
**Yakima Valley Nitrates**

| WW-14 | WW-15 | WW-16 | WW-17 | WW-18 | WW-19 | WW-20 | WW-21 | WW-22 | WW-23 | WW-24 | WW-25 | WW-26 | WW-27 | WW-28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10154214 | 10154215 | 10154216 | 10154217 | 10154218 | 10154219 | 10154220 | 10154221 | 10164222 | 10154223 | 10154224 | 10154225 | 10154226 | 10154227 | 10154228 |
| Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient Well | Downgradient - Septic | Downgradient - Septic | Downgradient - Septic | Downgradient - Septic | Downgradient - Mint | Downgradient - Mint | Downgradient - Corn | Downgradient - Hops | Downgradient - Hops | Downgradient - Corn |
| Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| | | | | | | | | | | | | | | |
| 40.7 | 27.4 | 23 | 23.3 | 72.3 | 36.4 | 15 | 36.5 | 16.6 | 17.3 | 14 | 32.9 | 15.1 | 19.9 | 69.6 |
| 10.39 | 5.23 | 5.87 | 6.85 | 6.88 | 8.74 | 6.28 | 7.65 | 10.22 | 2.17 | -0.3 | 2.43 | 7.54 | 8.83 | 5.36 |
| 0.1 | 1.1 | <0.1 | 0.1 | 0.2 | 0.5 | 0.1 | <0.1 | 0.1 | 0.5 | <0.1 | 1.1 | <0.1 | 0.2 | 0.4 |
| NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| 8.5 | 30.27 | 5.83 | 2.45 | 8.8 | 15.43 | 52.86 | 12.2 | 11 | 18.04 | 12.11 | 15.04 | 6.3 | 16.82 | 44.41 |



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**Table A-15**
**Analytical Results for Isotopic Analysis**
**Yakima Valley Nitrates**

| WW-29 | WW-30 | LG-01 | LG-02 | LG-03 | LG-04 | LG-05 | LG-06 | LG-07 | LG-08 | LG-09 | LG-10 | LG-11 | LG-12 | LG-13 | LG-14 | LG-15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10154229 | 10164230 | 10154251 | 10154252 | 10154253 | 10154254 | 10154255 | 10154256 | 10154257 | 10154258 | 10154259 | 10164260 | 10164261 | 10164262 | 10164263 | 10164264 | 10164265 |
| Field Blank | Downgradient Well | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon | Dairy Lagoon |
| Water | Water | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid | Liquid |
| | | | | | | | | | | | | | | | | |
| NM | NA | <0.1 | <0.1 | <0.1 | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| NM | NA | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |
| NM | NA | 907 | 923 | 896 | 899 | 1151 | 1293 | 869 | 696 | 658 | NM | 274 | 222 | 469 | 600 | 658 |
| NM | NA | 3.37 | 10.07 | 9.88 | 6.69 | 10.63 | 10.25 | 5.36 | 10.27 | 10.13 | NM | 3.13 | 2.01 | 4.4 | 3.26 | 13.85 |
| NM | NA | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM | NM |



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**Table A-15**
**Analytical Results for Isotopic Analysis**
**Yakima Valley Nitrates**

| SP-01 | SP-02 | SP-03 |
|---|---|---|
| 10154271 | 10154272 | 10154273 |
| WWTP | WTTP | WWTP |
| Liquid | Liquid | Liquid |
| | | |
| <0.1 | <0.1 | <0.1 |
| NM | NM | NM |
| 30.1 | 31.5 | 49.3 |
| 3.72 | 7.43 | 2.7 |
| NM | NM | NM |



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| Location ID | SampleID | SampleType | Compound | Result | Units | Qualifier | Analytical Laboratory | AnalyticalMethod |
|---|---|---|---|---|---|---|---|---|
| WW-11007 | 10086001f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | pH | 7.72 | None | | | |
| | | | Conductivity | 0.572 | mS/cm | | | |
| | | | DO | 7.03 | mg/l | | | |
| | | | Temperature, water | 12.53 | C | | | |
| | | | Oxidation reduction potential (ORP) | 93 | mV | | | |
| | 10086001 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11008 | 10086002f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | |
| | | | Temperature, water | 13.4 | C | | | |
| | | | pH | 7.58 | None | | | |
| | | | Oxidation reduction potential (ORP) | 79 | mV | | | |
| | | | Conductivity | 0.915 | mS/cm | | | |
| | | | DO | 0.92 | mg/l | | | |
| | 10086002 | Sample-Routine | Chloride | 49.7 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Nitrate as N | 21.1 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11009 | 10086003f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 14.03 | C | | | |
| | | | pH | 7.91 | None | | | |
| | | | Oxidation reduction potential (ORP) | 92 | mV | | | |
| | | | Conductivity | 0.372 | mS/cm | | | |
| | | | DO | 6.48 | mg/l | | | |
| WW-11010 | 10086004f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 13.11 | C | | | |
| | | | pH | 7.85 | None | | | |
| | | | Oxidation reduction potential (ORP) | 99 | mV | | | |
| | | | Conductivity | 0.705 | mS/cm | | | |
| | | | DO | 1.17 | mg/l | | | |
| | 10086004 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11011 | 10086005f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | |
| | | | Temperature, water | 15.77 | C | | | |
| | | | pH | 7.68 | None | | | |
| | | | Oxidation reduction potential (ORP) | 113 | mV | | | |
| | | | Conductivity | 0.265 | mS/cm | | | |
| | | | DO | 7.69 | mg/l | | | |
| WW-11012 | 10086006f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 10.34 | C | | | |
| | | | pH | 7.4 | None | | | |
| | | | Oxidation reduction potential (ORP) | 170 | mV | | | |
| | | | Conductivity | 0.445 | mS/cm | | | |
| | | | DO | 4.58 | mg/l | | | |
| WW-11013 | 10086007f | Field Msr/Obs | Nitrate as N | 50 | mg/l | J | | |
| | | | Temperature, water | 10.78 | C | | | |
| | | | pH | 7.46 | None | | | |
| | | | Oxidation reduction potential (ORP) | 116 | mV | | | |
| | | | Conductivity | 2.02 | mS/cm | | | |
| | | | DO | 1.62 | mg/l | | | |
| | 10086007 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 50 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | Sample-Routine | Chloride | 112 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 50 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Nitrate as N | 53.5 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| | 10086008 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Chloride | 114 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Nitrate as N | 54.6 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11014 | 10086009f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 13.59 | C | | | |
| | | | pH | 8.02 | None | | | |
| | | | Oxidation reduction potential (ORP) | 126 | mV | | | |
| | | | Conductivity | 0.592 | mS/cm | | | |
| | | | DO | 0.64 | mg/l | | | |
| | 10086009 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11015 | 10086010f | Field Msr/Obs | DO | 2.79 | mg/l | | | |
| | | | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 17.92 | C | | | |
| | | | pH | 7.64 | None | | | |
| | | | Oxidation reduction potential (ORP) | 154 | mV | | | |
| | | | Conductivity | 0.858 | mS/cm | | | |
| WW-11016 | 10086011f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 15.67 | C | | | |
| | | | pH | 10.12 | None | | | |
| | | | Oxidation reduction potential (ORP) | 124 | mV | | | |
| | | | Conductivity | 0.203 | mS/cm | | | |
| | | | DO | 4.16 | mg/l | | | |
| WW-11017 | 10086012f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 13.72 | C | | | |
| | | | pH | 7.54 | None | | | |
| | | | Oxidation reduction potential (ORP) | 165 | mV | | | |
| | | | Conductivity | 0.477 | mS/cm | | | |
| | | | DO | 6.13 | mg/l | | | |
| WW-11018 | 10086013f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | |
| | | | Temperature, water | 14.06 | C | | | |
| | | | pH | 7.3 | None | | | |
| | | | Oxidation reduction potential (ORP) | 81 | mV | | | |
| | | | Conductivity | 0.905 | mS/cm | | | |
| | | | DO | 0.96 | mg/l | | | |
| | 10086013 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | | Manchester Environmental Laboratory | APHA 9222-B |
| | | | Nitrate+Nitrite as N | 13.1 | mg/L | | Manchester Environmental Laboratory | USEPA 353.2 |
| WW-11020 | 10086014f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 13.15 | C | | | |
| | | | pH | 7.64 | None | | | |
| | | | Oxidation reduction potential (ORP) | 125 | mV | | | |
| | | | Conductivity | 0.39 | mS/cm | | | |
| | | | DO | 4.61 | mg/l | | | |
| WW-11022 | 10086016f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 12.62 | C | | | |
| | | | pH | 7.78 | None | | | |
| | | | Oxidation reduction potential (ORP) | 125 | mV | | | |
| | | | Conductivity | 0.523 | mS/cm | | | |
| | | | DO | 3.49 | mg/l | | | |
| | 10086016 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11023 | 10086017f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 20.04 | C | | | |
| | | | pH | 7.85 | None | | | |
| | | | Oxidation reduction potential (ORP) | 122 | mV | | | |
| | | | Conductivity | 0.266 | mS/cm | | | |
| | | | DO | 4.99 | mg/l | | | |
| WW-11024 | 10086018f | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | |
| | | | Temperature, water | 13 | C | | | |
| | | | pH | 7.6 | None | | | |
| | | | Oxidation reduction potential (ORP) | 50 | mV | | | |
| | | | Conductivity | 0.514 | mS/cm | | | |
| | | | DO | 1.94 | mg/l | | | |
| | 10086018 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11025 | 10086020f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 13.15 | C | | | |
| | | | pH | 7.38 | None | | | |
| | | | Oxidation reduction potential (ORP) | 85 | mV | | | |
| | | | Conductivity | 0.749 | mS/cm | | | |
| | | | DO | 0.45 | mg/l | | | |
| | 10086020 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11026 | 10086021f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | |
| | | | Temperature, water | 13.09 | C | | | |
| | | | pH | 7.47 | None | | | |
| | | | Oxidation reduction potential (ORP) | 64 | mV | | | |
| | | | Conductivity | 0.584 | mS/cm | | | |
| | | | DO | 2.19 | mg/l | | | |
| | 10086021 | Quality Control Sample-Lab Duplicate | Chloride | 9.42 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Nitrate as N | 6.82 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | Sample-Routine | Chloride | 9.47 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Nitrate as N | 6.84 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11027 | 10086022f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 14.33 | C | | | |
| | | | pH | 8.51 | None | | | |
| | | | Oxidation reduction potential (ORP) | 98 | mV | | | |
| | | | Conductivity | 0.631 | mS/cm | | | |
| | | | DO | 5.8 | mg/l | | | |
| WW-11028 | 10086023f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 12.69 | C | | | |
| | | | pH | 7.52 | None | | | |
| | | | Oxidation reduction potential (ORP) | 107 | mV | | | |
| | | | Conductivity | 0.698 | mS/cm | | | |
| | | | DO | 4.8 | mg/l | | | |
| WW-11030 | 10086024f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | |
| | | | Temperature, water | 12.07 | C | | | |
| | | | pH | 7.63 | None | | | |
| | | | Oxidation reduction potential (ORP) | 133 | mV | | | |
| | | | Conductivity | 0.606 | mS/cm | | | |
| | | | DO | 1.8 | mg/l | | | |
| | 10086024 | Sample-Routine | Chloride | 13.9 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Nitrate as N | 8.52 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11031 | 10086025f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 12.28 | C | | | |
| | | | pH | 7.58 | None | | | |
| | | | Oxidation reduction potential (ORP) | 41 | mV | | | |
| | | | Conductivity | 0.538 | mS/cm | | | |
| | | | DO | 0.71 | mg/l | | | |
| | 10086025 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11032 | 10086026f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 14.14 | C | | | |
| | | | pH | 7.59 | None | | | |
| | | | Oxidation reduction potential (ORP) | 105 | mV | | | |
| | | | Conductivity | 0.413 | mS/cm | | | |
| | | | DO | 4.55 | mg/l | | | |
| WW-11033 | 10086027f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 13.77 | C | | | |
| | | | pH | 7.45 | None | | | |
| | | | Oxidation reduction potential (ORP) | 122 | mV | | | |
| | | | Conductivity | 0.71 | mS/cm | | | |
| | | | DO | 3.97 | mg/l | | | |
| | 10086027 | Sample-Routine | Chloride | 23.6 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Nitrate as N | 3.02 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11034 | 10086028f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | |
| | | | Temperature, water | 13.71 | C | | | |
| | | | pH | 7.5 | None | | | |
| | | | Oxidation reduction potential (ORP) | 125 | mV | | | |
| | | | Conductivity | 0.607 | mS/cm | | | |
| | | | DO | 1.49 | mg/l | | | |
| | 10086028 | Quality Control Sample-Lab Duplicate | Chloride | 11.8 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Nitrate as N | 8.72 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | Sample-Routine | Chloride | 11.9 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Nitrate as N | 8.71 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11035 | 10086029f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | |
| | | | Temperature, water | 14.23 | C | | | |
| | | | pH | 8.07 | None | | | |
| | | | Oxidation reduction potential (ORP) | 155 | mV | | | |
| | | | Conductivity | 0.855 | mS/cm | | | |
| | | | DO | 9.66 | mg/l | | | |
| | 10086029 | Sample-Routine | Chloride | 13.4 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Nitrate as N | 17.4 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11036 | 10086030f | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | |
| | | | Temperature, water | 18.3 | C | | | |
| | | | pH | 7.72 | None | | | |
| | | | Oxidation reduction potential (ORP) | -109 | mV | | | |
| | | | Conductivity | 0.308 | mS/cm | | | |
| | | | DO | 0.04 | mg/l | | | |
| | 10086030 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11037 | 10086031f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 15.15 | C | | | |
| | | | pH | 7.22 | None | | | |
| | | | Oxidation reduction potential (ORP) | 125 | mV | | | |
| | | | Conductivity | 0.666 | mS/cm | | | |
| | | | DO | 2.23 | mg/l | | | |
| WW-11039 | 10086032f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 14.93 | C | | | |
| | | | pH | 7.49 | None | | | |
| | | | Oxidation reduction potential (ORP) | 94 | mV | | | |
| | | | Conductivity | 0.522 | mS/cm | | | |
| | | | DO | 0.91 | mg/l | | | |
| | 10086032 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11040 | 10086033f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | |
| | | | Temperature, water | 13.63 | C | | | |
| | | | pH | 7.47 | None | | | |
| | | | Oxidation reduction potential (ORP) | 96 | mV | | | |
| | | | Conductivity | 0.524 | mS/cm | | | |
| | | | DO | 12.07 | mg/l | | | |
| WW-11041 | 10086034f | Field Msr/Obs | Nitrate as N | 50 | mg/l | J | | |
| | | | Temperature, water | 13.66 | C | | | |
| | | | pH | 7.4 | None | | | |
| | | | Oxidation reduction potential (ORP) | 111 | mV | | | |
| | | | Conductivity | 1.18 | mS/cm | | | |
| | | | DO | 8.81 | mg/l | | | |
| | 10086034 | Sample-Routine | Chloride | 32.7 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Nitrate as N | 20.8 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11042 | 10086035f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | |
| | | | Temperature, water | 14.98 | C | | | |
| | | | pH | 7.56 | None | | | |
| | | | Oxidation reduction potential (ORP) | 111 | mV | | | |
| | | | Conductivity | 0.51 | mS/cm | | | |
| | | | DO | 8.16 | mg/l | | | |
| WW-11043 | 10086036f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | |
| | | | Temperature, water | 10.57 | C | | | |
| | | | pH | 7.05 | None | | | |
| | | | Oxidation reduction potential (ORP) | 160 | mV | | | |
| | | | Conductivity | 0.624 | mS/cm | | | |
| | | | DO | 9.93 | mg/l | | | |
| | 10086036 | Sample-Routine | Chloride | 28.8 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Nitrate as N | 6.72 | mg/L | | Manchester Environmental Laboratory | USEPA 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| WW-11044 | 10086037f | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | |
| | | | Temperature, water | 10.68 | C | | | |
| | | | pH | 8.07 | None | | | |
| | | | Oxidation reduction potential (ORP) | 88 | mV | | | |
| | | | Conductivity | 0.311 | mS/cm | | | |
| | | | DO | 0.09 | mg/l | | | |
| | 10086037 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA 9222-B |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA 351.2 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086038 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.57 | C | | | | |
| | 10086039f | Field Msr/Obs | pH | 7.41 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 91 | mV | | | | |
| | | | Conductivity | 1.02 | mS/cm | | | | |
| | | | DO | 9.72 | mg/l | | | | |
| | | Quality Control Sample-Lab Duplicate | Chloride | 68.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-11045 | | | Nitrate as N | 17.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Chloride | 68.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10086039 | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 17.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Chloride | 68.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10086040 | Sample-Routine | Nitrate as N | 17.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Temperature, water | 15.85 | C | | | | |
| | | | pH | 7.7 | None | | | | |
| | 10086031f | Field Msr/Obs | Oxidation reduction potential (ORP) | 119 | mV | | | | |
| WW-11046 | | | Conductivity | 0.355 | mS/cm | | | | |
| | | | DO | 0.41 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | 10086041 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 12.97 | C | | | | |
| | | | pH | 7.16 | None | | | | |
| | 10086043f | Field Msr/Obs | Oxidation reduction potential (ORP) | -159 | mV | | | | |
| | | | Conductivity | 0.693 | mS/cm | | | | |
| WW-11047 | | | DO | 0.06 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10086043 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.39 | C | | | | |
| | | | pH | 7.23 | None | | | | |
| WW-11048 | 10086042f | Field Msr/Obs | Oxidation reduction potential (ORP) | 131 | mV | | | | |
| | | | Conductivity | 0.482 | mS/cm | | | | |
| | | | DO | 0.22 | mg/l | | | | |
| | 10086042 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | Field Msr/Obs | Temperature, water | 9.37 | C | | | | |
| | 10086044f | Field Msr/Obs | pH | 6.88 | None | | | | |
| | | Field Msr/Obs | Oxidation reduction potential (ORP) | 94 | mV | | | | |
| | | Field Msr/Obs | Conductivity | 1.346 | mS/cm | | | | |
| | | Field Msr/Obs | DO | 5.75 | mg/l | | | | |
| WW-11049 | | | Chloride | 34.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086044 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 17.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Chloride | 35 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10086045 | Sample-Routine | Nitrate as N | 17.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.97 | C | | | | |
| | | | pH | 7.02 | None | | | | |
| WW-11050 | 10086046f | Field Msr/Obs | Oxidation reduction potential (ORP) | 92 | mV | | | | |
| | | | Conductivity | 0.588 | mS/cm | | | | |
| | | | DO | 2.52 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.35 | C | | | | |
| | | | pH | 7.23 | None | | | | |
| WW-11051 | 10086047f | Field Msr/Obs | Oxidation reduction potential (ORP) | 71 | mV | | | | |
| | | | Conductivity | 0.636 | mS/cm | | | | |
| | | | DO | 0.83 | mg/l | | | | |
| | 10086047 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 12.88 | C | | | | |
| | | | pH | 7.01 | None | | | | |
| WW-11052 | 10086048f | Field Msr/Obs | Oxidation reduction potential (ORP) | 103 | mV | | | | |
| | | | Conductivity | 0.595 | mS/cm | | | | |
| | | | DO | 0.63 | mg/l | | | | |
| | 10086048 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.28 | C | | | | |
| | | | pH | 7.34 | None | | | | |
| WW-11053 | 10086049f | Field Msr/Obs | Oxidation reduction potential (ORP) | 64 | mV | | | | |
| | | | Conductivity | 0.644 | mS/cm | | | | |
| | | | DO | 2.72 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.26 | C | | | | |
| | | | pH | 7.05 | None | | | | |
| WW-11054 | 10086050f | Field Msr/Obs | Oxidation reduction potential (ORP) | 20 | mV | | | | |
| | | | Conductivity | 0.591 | mS/cm | | | | |
| | | | DO | 1.61 | mg/l | | | | |
| | 10086050 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.64 | C | | | | |
| | | | pH | 6.84 | None | | | | |
| | 10086051f | Field Msr/Obs | Oxidation reduction potential (ORP) | 69 | mV | | | | |
| WW-11055 | | | Conductivity | 0.67 | mS/cm | | | | |
| | | | DO | 0.04 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086051 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.96 | C | | | | |
| | | | pH | 7 | None | | | | |
| | 10086052f | Field Msr/Obs | Oxidation reduction potential (ORP) | 118 | mV | | | | |
| | | | Conductivity | 6.703 | mS/cm | | | | |
| | | | DO | 0.13 | mg/l | | | | |
| | | Quality Control Sample-Lab Duplicate | Chloride | 14.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-11056 | | | Nitrate as N | 8.93 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Chloride | 14.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086052 | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 8.93 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 15.27 | C | | | | |
| | | | pH | 7.02 | None | | | | |
| WW-11057 | 10086053f | Field Msr/Obs | Oxidation reduction potential (ORP) | 33 | mV | | | | |
| | | | Conductivity | 0.747 | mS/cm | | | | |
| | | | DO | 0.05 | mg/l | | | | |
| | 10086053 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 11.77 | C | | | | |
| | 10086054f | Field Msr/Obs | pH | 7.91 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -387 | mV | | | | |
| | | | Conductivity | 0.278 | mS/cm | | | | |
| WW-11058 | | | DO | 0.07 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10086054 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 11.71 | C | | | | |
| | | | pH | 7.61 | None | | | | |
| | 10086055f | Field Msr/Obs | Oxidation reduction potential (ORP) | 19 | mV | | | | |
| WW-11059 | | | Conductivity | 0.853 | mS/cm | | | | |
| | | | DO | 1.67 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10086055 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.55 | C | | | | |
| WW-11060 | 10086056f | Field Msr/Obs | pH | 8.14 | None | | | | |
| | | | Conductivity | 0.693 | mS/cm | | | | |
| | | | DO | 4.84 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 11.55 | C | | | | |
| | | | pH | 7.71 | None | | | | |
| WW-11061 | 10086057f | Field Msr/Obs | Oxidation reduction potential (ORP) | -14 | mV | | | | |
| | | | Conductivity | 0.532 | mS/cm | | | | |
| | | | DO | 1.52 | mg/l | | | | |
| | 10086057 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 12.23 | C | | | | |
| WW-11062 | 10086058f | Field Msr/Obs | pH | 7.66 | None | | | | |
| | | | Conductivity | 0.365 | mS/cm | | | | |
| | | | DO | 5.31 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 12.04 | C | | | | |
| | | | pH | 7.76 | None | | | | |
| WW-11063 | 10086059f | Field Msr/Obs | Oxidation reduction potential (ORP) | 107 | mV | | | | |
| | | | Conductivity | 0.522 | mS/cm | | | | |
| | | | DO | 0.32 | mg/l | | | | |
| | 10086059 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | n/a | mg/l | | | | |
| | | | Temperature, water | 12.74 | C | | | | |
| | | | pH | 7.79 | None | | | | |
| WW-11064 | 10086060f | Field Msr/Obs | Oxidation reduction potential (ORP) | 151 | mV | | | | |
| | | | Conductivity | 0.382 | mS/cm | | | | |
| | | | DO | 2.85 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 12.99 | C | | | | |
| | | | pH | 6.8 | None | | | | |
| WW-11065 | 10086061f | Field Msr/Obs | Oxidation reduction potential (ORP) | 152 | mV | | | | |
| | | | Conductivity | 0.262 | mS/cm | | | | |
| | | | DO | 4.78 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 10.4 | C | | | | |
| | 10096301f | Field Msr/Obs | pH | 7.71 | None | | | | |
| | | | Conductivity | 0.609 | mS/cm | | | | |
| WW-12066 | | | DO | 0.22 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096301 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.7 | C | | | | |
| WW-12068 | 10096302f | Field Msr/Obs | pH | 8.3 | None | | | | |
| | | | Conductivity | 0.395 | mS/cm | | | | |
| | | | DO | 4.67 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.92 | C | | | | |
| | 10096303f | Field Msr/Obs | pH | 7.52 | None | | | | |
| | | | Conductivity | 0.325 | mS/cm | | | | |
| WW-12069 | | | DO | 5.11 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096303 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.31 | C | | | | |
| WW-12071 | 10096304f | Field Msr/Obs | pH | 7.84 | None | | | | |
| | | | Conductivity | 0.356 | mS/cm | | | | |
| | | | DO | 4.41 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 15.16 | C | | | | |
| | 10096305f | Field Msr/Obs | pH | 9.09 | None | | | | |
| | | | Conductivity | 0.143 | mS/cm | | | | |
| WW-12072 | | | DO | 6.81 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096305 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.76 | C | | | | |
| | 10096306f | Field Msr/Obs | pH | 6.55 | None | | | | |
| WW-12074 | | | Conductivity | 0.566 | mS/cm | | | | |
| | | | DO | 0.19 | mg/l | | | | |
| | 10096306 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096307 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| WW-12075 | | | Temperature, water | 14.05 | C | | | | |
| | 10096307f | Field Msr/Obs | pH | 5.96 | None | | | | |
| | | | Conductivity | 0.967 | mS/cm | | | | |
| | | | DO | 0.11 | mg/l | | | | |
| | 10096307 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 12.16 | C | | | | |
| | 10096308f | Field Msr/Obs | pH | 6.01 | None | | | | |
| | | | Conductivity | 1.32 | mS/cm | | | | |
| | | | DO | 1.52 | mg/l | | | | |
| | | | Chloride | 60 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| WW-12076 | 10096308 | Sample-Routine | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 52.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Chloride | 59.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096309 | Sample-Routine | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 52.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 15.23 | C | | | | |
| WW-12078 | 10096310f | Field Msr/Obs | pH | 6.48 | None | | | | |
| | | | Conductivity | 0.733 | mS/cm | | | | |
| | | | DO | 10.12 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.5 | C | | | | |
| | 10096311f | Field Msr/Obs | pH | 8 | None | | | | |
| WW-12079 | | | Conductivity | 0.305 | mS/cm | | | | |
| | | | DO | 0.94 | mg/l | | | | |
| | 10096311 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.45 | C | | | | |
| WW-12080 | 10096312f | Field Msr/Obs | pH | 6.03 | None | | | | |
| | | | Conductivity | 0.438 | mS/cm | | | | |
| | | | DO | 6.03 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.36 | C | | | | |
| WW-12081 | 10096314f | Field Msr/Obs | pH | 6.24 | None | | | | |
| | | | Conductivity | 0.526 | mS/cm | | | | |
| | | | DO | 4 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.29 | C | | | | |
| WW-12083 | 10096315f | Field Msr/Obs | pH | 6.3 | None | | | | |
| | | | Conductivity | 0.548 | mS/cm | | | | |
| | | | DO | 3.11 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.09 | C | | | | |
| WW-12084 | 10096316f | Field Msr/Obs | pH | 6.4 | None | | | | |
| | | | Conductivity | 0.528 | mS/cm | | | | |
| | | | DO | 4.67 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.74 | C | | | | |
| WW-12085 | 10096317f | Field Msr/Obs | pH | 8.69 | None | | | | |
| | | | Conductivity | 0.292 | mS/cm | | | | |
| | | | DO | 10.69 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.6 | C | | | | |
| WW-12086 | 10096318f | Field Msr/Obs | pH | 7.6 | None | | | | |
| | | | Conductivity | 0.643 | mS/cm | | | | |
| | | | DO | 2.04 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 11.4 | C | | | | |
| | 10096319f | Field Msr/Obs | pH | 7.92 | None | | | | |
| | | | Conductivity | 0.375 | mS/cm | | | | |
| WW-12087 | | | DO | 6.5 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096319 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 14.04 | C | | | | |
| | 10096320f | Field Msr/Obs | pH | 7.56 | None | | | | |
| | | | Conductivity | 0.743 | mS/cm | | | | |
| | | | DO | 0.63 | mg/l | | | | |
| WW-12089 | | | Chloride | 12.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096320 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 9.75 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096323f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| WW-12090 | 10096323 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096321f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Chloride | 16.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| WW-12091 | 10096321 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 17.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096322f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| WW-12092 | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096322 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WW-12094 | 10096324f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | 10096324 | Sample-Routine | Chloride | 19.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 9.71 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096325 | Sample-Routine | Chloride | 19.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 9.66 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12095 | 10096326f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | 10096326 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12096 | 10096328f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| WW-12097 | 10096329f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | 10096329 | Sample-Routine | Chloride | 13.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 11 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096330 | Sample-Routine | Chloride | 13.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 11 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12099 | 10096331f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | 10096331 | Sample-Routine | Chloride | 18.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 16.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-12100 | 10096332f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | 10096332 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12101 | 10096333f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | 10096333 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12102 | 10096334f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | Field Msr/Obs | Nitrate as N | n/a | mg/l | | | | |
| | 10096365f | Field Msr/Obs | pH | 7.26 | None | | | | |
| | | Field Msr/Obs | DO | 2.34 | mg/l | | | | |
| | 10096334 | Sample-Routine | Escherichia coli | 120 | per 100 ml | LL | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 120 | per 100 ml | LL | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 200 | per 100 ml | LL | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096335 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12109 | 10096336f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | 10096336 | Sample-Routine | Chloride | 9.81 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 11.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 5 | per 100 ml | | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12111 | 10096337f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| WW-12114 | 10096338f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| WW-12115 | 10096339f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| WW-12116 | 10096340f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| WW-12117 | 10096341f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | 10096341 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12118 | 10096342f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| WW-12119 | 10096343f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| WW-12120 | 10096344f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| WW-12121 | 10096345f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | 10096345 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12122 | 10096346f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | 10096346 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12127 | 10096347f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| WW-12130 | 10096348f | Field Msr/Obs | Nitrate as N | n/a | mg/l | | | | |
| | 10096348 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12131 | 10096349f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | 10096349 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12132 | 10096350f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| WW-12133 | 10096351f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| WW-12134 | 10096352f | Field Msr/Obs | Nitrate as N | n/a | mg/l | | | | |
| | 10096352 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12135 | 10096353f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | 10096353 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12136 | 10096354f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| | 10096354 | Sample-Routine | Chloride | 26.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 1.2 | mg/L | U | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12137 | 10096355f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| WW-12138 | 10096356f | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 13.2 | C | | | | |
| | | | pH | 7.89 | None | | | | |
| | | | DO | 0.05 | mg/l | | | | |
| | 10096356 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-12139 | | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | | |
| | 10096357f | Field Msr/Obs | pH | 7.91 | None | | | | |
| | | Field Msr/Obs | DO | 0.05 | mg/l | | | | |
| | 10096357 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12140 | 10096358f | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | | |
| | | | pH | 7.45 | None | | | | |
| | | | DO | 0.08 | mg/l | | | | |
| | 10096358 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-12141 | 10096359f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| | | | pH | 6.87 | None | | | | |
| | | | DO | 0.07 | mg/l | | | | |
| | 10096359 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12142 | 10096360f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | pH | 6.99 | None | | | | |
| | | | DO | 5.55 | mg/l | | | | |
| | 10096360 | Sample-Routine | Escherichia coli | 12 | per 100 ml | | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 12 | per 100 ml | | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 12 | per 100 ml | | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12143 | 10096361f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | pH | 6.98 | None | | | | |
| | | | DO | 2.01 | mg/l | | | | |
| WW-12144 | 10096362f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | pH | 7.05 | None | | | | |
| | | | DO | 3.45 | mg/l | | | | |
| | 10096362 | Sample-Routine | Chloride | 5.02 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 2.79 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12145 | 10096363f | Field Msr/Obs | Nitrate as N | 50 | mg/l | J | | | |
| | | | pH | 7.56 | None | | | | |
| | | | DO | 6.39 | mg/l | | | | |
| | 10096363 | Sample-Routine | Chloride | 14.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 19.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12146 | 10096364f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | pH | 7.57 | None | | | | |
| | | | DO | 6.21 | mg/l | | | | |
| | 10096364 | Sample-Routine | Chloride | 10.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 10.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12147 | 10096366f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | pH | 6.99 | None | | | | |
| | | | DO | 2.21 | mg/l | | | | |
| | 10096366 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12148 | 10096367f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| WW-12149 | 10096368f | | Nitrate as N | 10 | mg/l | J | | | |
| | | | pH | 7.59 | None | | | | |
| | | | DO | 8.38 | mg/l | | | | |
| | 10096368 | Sample-Routine | Chloride | 16.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 10.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12150 | 10096369f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | pH | 7.64 | None | | | | |
| | | | DO | 8.02 | mg/l | | | | |
| WW-12151 | 10096370f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | pH | 7.7 | None | | | | |
| | | | DO | 6.31 | mg/l | | | | |
| WW-12153 | 10096371f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | pH | 7.8 | None | | | | |
| | | | DO | 4.4 | mg/l | | | | |
| | 10096371 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12281 | 10096313f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.65 | C | | | | |
| | | | pH | 6.02 | None | | | | |
| | | | Conductivity | 0.319 | mS/cm | | | | |
| | | | DO | 5.79 | mg/l | | | | |
| | 10096313 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12296 | 10096327f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | 10096327 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-12354 | 10096372f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| WW-21009 | 10086101f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.3 | C | | | | |
| | | | pH | 7.32 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 147 | mV | | | | |
| | | | Conductivity | 0.584 | mS/cm | | | | |
| | | | DO | 1.29 | mg/l | | | | |
| | 10086101 | Sample-Routine | Chloride | 7.82 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 11.4 | mg/L | J | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21010 | 10086102f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.92 | C | | | | |
| | | | pH | 7.24 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 18 | mV | | | | |
| | | | Conductivity | 1.06 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086102 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21013 | 10086103f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 12.2 | C | | | | |
| | | | pH | 7.42 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 183 | mV | | | | |
| | | | Conductivity | 0.553 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086103 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21014 | 10086104f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.97 | C | | | | |
| | | | pH | 7.32 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 186 | mV | | | | |
| | | | Conductivity | 0.566 | mS/cm | | | | |
| | | | DO | 0.88 | mg/l | | | | |
| | 10086104 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21015 | 2101501f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.64 | C | | | | |
| | | | pH | 7.58 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 127 | mV | | | | |
| | | | Conductivity | 0.576 | mS/cm | | | | |
| | | | DO | 3.31 | mg/l | | | | |
| WW-21016 | 10086106f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.7 | C | | | | |
| | | | pH | 7.7 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 114 | mV | | | | |
| | | | Conductivity | 0.937 | mS/cm | | | | |
| | | | DO | 5.18 | mg/l | | | | |
| | 10086105 | Quality Control Sample-Lab Duplicate | Nitrate as N | 27.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10086106 | Sample-Routine | Chloride | 38.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 27.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-21017 | 2101702f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.53 | C | | | | |
| | | | pH | 7.57 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 148 | mV | | | | |
| | | | Conductivity | 0.653 | mS/cm | | | | |
| | | | DO | 6.95 | mg/l | | | | |
| WW-21018 | 2101803f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 11.36 | C | | | | |
| | | | pH | 7.61 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 143 | mV | | | | |
| | | | Conductivity | 0.625 | mS/cm | | | | |
| | | | DO | 4.11 | mg/l | | | | |
| WW-21019 | 10086108f | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 11.46 | C | | | | |
| | | | pH | 7.85 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -191 | mV | | | | |
| | | | Conductivity | 0.493 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086108 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21020 | 2102004f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 12.09 | C | | | | |
| | | | pH | 7.78 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 97 | mV | | | | |
| | | | Conductivity | 0.544 | mS/cm | | | | |
| | | | DO | 7.02 | mg/l | | | | |
| WW-21021 | 2102105f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 9.84 | C | | | | |
| | | | pH | 7.57 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 170 | mV | | | | |
| | | | Conductivity | 0.534 | mS/cm | | | | |
| | | | DO | 6.35 | mg/l | | | | |
| WW-21022 | 2102206f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 15.46 | C | | | | |
| | | | pH | 7.59 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 141 | mV | | | | |
| | | | Conductivity | 0.604 | mS/cm | | | | |
| | | | DO | 8.44 | mg/l | | | | |
| WW-21023 | 10086112f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.92 | C | | | | |
| | | | pH | 7.56 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 69 | mV | | | | |
| | | | Conductivity | 0.648 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086109 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | 10086107 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10086109 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | 10086110 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | 10086111 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10086112 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21024 | 10086113f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 12.53 | C | | | | |
| | | | pH | 7.53 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 157 | mV | | | | |
| | | | Conductivity | 0.962 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086113 | Sample-Routine | Chloride | 18.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 18.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21025 | 10086114f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.09 | C | | | | |
| | | | pH | 7.58 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 184 | mV | | | | |
| | | | Conductivity | 0.539 | mS/cm | | | | |
| | | | DO | 2.88 | mg/l | | | | |
| | 10086114 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 60 | per 100ml | LL | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21026 | 10086115f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 11.23 | C | | | | |
| | | | pH | 7.47 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 203 | mV | | | | |
| | | | Conductivity | 0.558 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086115 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21027 | 2102707f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.96 | C | | | | |
| | | | pH | 7.61 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 204 | mV | | | | |
| | | | Conductivity | 0.498 | mS/cm | | | | |
| | | | DO | 8.64 | mg/l | | | | |
| WW-21028 | 10086117f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14 | C | | | | |
| | | | pH | 7.49 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 152 | mV | | | | |
| | | | Conductivity | 0.792 | mS/cm | | | | |
| | | | DO | 0.49 | mg/l | | | | |
| | 10086117 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21029 | 2102908f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.85 | C | | | | |
| | | | pH | 7.29 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 227 | mV | | | | |
| | | | Conductivity | 0.658 | mS/cm | | | | |
| | | | DO | 4.55 | mg/l | | | | |
| WW-21030 | 2103009f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.83 | C | | | | |
| | | | pH | 7.75 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 193 | mV | | | | |
| | | | Conductivity | 0.592 | mS/cm | | | | |
| | | | DO | 5.56 | mg/l | | | | |
| WW-21035 | 10086120f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.73 | C | | | | |
| | | | pH | 7.42 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 135 | mV | | | | |
| | | | Conductivity | 0.795 | mS/cm | | | | |
| | | | DO | 6.57 | mg/l | | | | |
| | 10086119 | Sample-Routine | Chloride | 35.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 11.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10086120 | Sample-Routine | Chloride | 36.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 12.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 10 | per 100ml | | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21036 | 10086122f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.53 | C | | | | |
| | | | pH | 7.38 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 137 | mV | | | | |
| | | | Conductivity | 1.86 | mS/cm | | | | |
| | | | DO | 5.02 | mg/l | | | | |
| | 10086122 | Sample-Routine | Chloride | 25.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 29.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21037 | 10086123f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.08 | C | | | | |
| | | | pH | 8.09 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 167 | mV | | | | |
| | | | Conductivity | 1.633 | mS/cm | | | | |
| | | | DO | 0.8 | mg/l | | | | |
| | 10086123 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21038 | 2103810f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 12.15 | C | | | | |
| | | | pH | 7.43 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 145 | mV | | | | |
| | | | Conductivity | 0.93 | mS/cm | | | | |
| | | | DO | 5.68 | mg/l | | | | |
| WW-21039 | 10086124f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 12.63 | C | | | | |
| | | | pH | 7.69 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 180 | mV | | | | |
| | | | Conductivity | 0.611 | mS/cm | | | | |
| | | | DO | 1.51 | mg/l | | | | |
| | 10086124 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21040 | 2104011f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.92 | C | | | | |
| | | | pH | 7.77 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 207 | mV | | | | |
| | | | Conductivity | 0.542 | mS/cm | | | | |
| | | | DO | 2.25 | mg/l | | | | |
| WW-21041 | 10086127f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.72 | C | | | | |
| | | | pH | 7.63 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 152 | mV | | | | |
| | | | Conductivity | 0.664 | mS/cm | | | | |
| | | | DO | 1.36 | mg/l | | | | |
| | 10086127 | Sample-Routine | Chloride | 10.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 12.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21042 | 10086129f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.11 | C | | | | |
| | | | pH | 7.56 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 162 | mV | | | | |
| | | | Conductivity | 0.74 | mS/cm | | | | |
| | | | DO | 5.97 | mg/l | | | | |
| | 10086129 | Sample-Routine | Chloride | 26.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 12.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21043 | 10086130f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 15.57 | C | | | | |
| | | | pH | 7.56 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 130 | mV | | | | |
| | | | Conductivity | 0.95 | mS/cm | | | | |
| | | | DO | 5.55 | mg/l | | | | |
| | 10086130 | Sample-Routine | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21044 | 10086131f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 12.49 | C | | | | |
| | | | pH | 7.46 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 158 | mV | | | | |
| | | | Conductivity | 0.869 | mS/cm | | | | |
| | | | DO | 1.29 | mg/l | | | | |
| | 10086131 | Sample-Routine | Chloride | 21.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 16.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21045 | 10086132f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 8.93 | C | | | | |
| | | | pH | 7.44 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 114 | mV | | | | |
| | | | Conductivity | 1.25 | mS/cm | | | | |
| | | | DO | 7.83 | mg/l | | | | |
| | 10086132 | Sample-Routine | Chloride | 51.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 25.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21046 | 2104612f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.97 | C | | | | |
| | | | pH | 7.16 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -159 | mV | | | | |
| | | | Conductivity | 0.693 | mS/cm | | | | |
| | | | DO | 0.06 | mg/l | | | | |
| WW-21047 | 2104713f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.59 | C | | | | |
| | | | pH | 7.45 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 151 | mV | | | | |
| | | | Conductivity | 0.643 | mS/cm | | | | |
| | | | DO | 6.45 | mg/l | | | | |
| WW-21048 | 2104814f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 8.88 | C | | | | |
| | | | pH | 7.36 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 161 | mV | | | | |
| | | | Conductivity | 0.553 | mS/cm | | | | |
| | | | DO | 7.1 | mg/l | | | | |
| WW-21049 | 10086136f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 11.26 | C | | | | |
| | | | pH | 7.59 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 171 | mV | | | | |
| | | | Conductivity | 1.07 | mS/cm | | | | |
| | | | DO | 5.84 | mg/l | | | | |
| | 10086136 | Sample-Routine | Chloride | 40 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 18.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21050 | 10086138f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.58 | C | | | | |
| | | | pH | 7.81 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 151 | mV | | | | |
| | | | Conductivity | 0.475 | mS/cm | | | | |
| | | | DO | 6.48 | mg/l | | | | |
| | 10086138 | Sample-Routine | Chloride | 17.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 6.06 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21051 | 10086139f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.5 | C | | | | |
| | | | pH | 7.25 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 159 | mV | | | | |
| | | | Conductivity | 0.678 | mS/cm | | | | |
| | | | DO | 6.32 | mg/l | | | | |
| | 10086139 | Sample-Routine | Chloride | 21.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 14 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-21052 | 10086140f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.44 | C | | | | |
| | | | pH | 7.01 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 171 | mV | | | | |
| | | | Conductivity | 0.716 | mS/cm | | | | |
| | | | DO | 0.51 | mg/l | | | | |
| | 10086140 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-21053 | 10086141f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.13 | C | | | | |
| | | | pH | 7.19 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 129 | mV | | | | |
| | | | Conductivity | 1.31 | mS/cm | | | | |
| | | | DO | 8.38 | mg/l | | | | |
| | 10086141 | Sample-Routine | Chloride | 57.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 27.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21054 | 2105415f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.03 | C | | | | |
| | | | pH | 7.83 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 167 | mV | | | | |
| | | | Conductivity | 0.746 | mS/cm | | | | |
| | | | DO | 5.56 | mg/l | | | | |
| WW-21055 | 10086143f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.79 | C | | | | |
| | | | pH | 7.34 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 203 | mV | | | | |
| | | | Conductivity | 0.646 | mS/cm | | | | |
| | | | DO | 9.42 | mg/l | | | | |
| | 10086143 | Sample-Routine | Chloride | 20.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 12.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21056 | 2105616f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 10.07 | C | | | | |
| | | | pH | 7.12 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 233 | mV | | | | |
| | | | Conductivity | 0.712 | mS/cm | | | | |
| | | | DO | 5.63 | mg/l | | | | |
| WW-21057 | 2105717f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 14.55 | C | | | | |
| | | | pH | 7.37 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 194 | mV | | | | |
| | | | Conductivity | 0.726 | mS/cm | | | | |
| | | | DO | 7.96 | mg/l | | | | |
| WW-21058 | 2105818f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.94 | C | | | | |
| | | | pH | 7.34 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 229 | mV | | | | |
| | | | Conductivity | 0.309 | mS/cm | | | | |
| | | | DO | 5.74 | mg/l | | | | |
| WW-21059 | 10086147f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.33 | C | | | | |
| | | | pH | 7.55 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 197 | mV | | | | |
| | | | Conductivity | 0.647 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086147 | Sample-Routine | Chloride | 13.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 10 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-21142 | 10086036f | Field Msr/Obs | Temperature, water | 12.36 | C | | | | |
| | | | pH | 7.64 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 141 | mV | | | | |
| | | | Conductivity | 0.711 | mS/cm | | | | |
| | | | DO | 0.27 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | 10086126 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | 10086126 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | 10086128 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-21150 | 10086137f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 10.5 | C | | | | |
| | | | pH | 7.53 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 67 | mV | | | | |
| | | | Conductivity | 0.95 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086135 | Sample-Routine | Chloride | 17 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 18.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10086137 | Sample-Routine | Chloride | 16.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 18 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Temperature, water | 14.34 | C | | | | |
| | 10096401f | Field Msr/Obs | pH | 7.79 | None | | | | |
| WW-22060 | | | Oxidation reduction potential (ORP) | -55 | mV | | | | |
| | | | Conductivity | 0.414 | mS/cm | | | | |
| | | | DO | 1.99 | mg/l | | | | |
| | 10096401 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 9.63 | C | | | | |
| | | | pH | 7.26 | None | | | | |
| WW-22061 | 2206119f | Field Msr/Obs | Oxidation reduction potential (ORP) | 159 | mV | | | | |
| | | | Conductivity | 0.63 | mS/cm | | | | |
| | | | DO | 4.68 | mg/l | | | | |
| | | | Nitrate as N | 0 | mg/l | J | | | |
| | | | Temperature, water | 11.8 | C | | | | |
| WW-22062 | 2206220f | Field Msr/Obs | pH | 7.39 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -127 | mV | | | | |
| | | | Conductivity | 0.68 | mS/cm | | | | |
| | | | DO | 3.17 | mg/l | | | | |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.09 | C | | | | |
| | | | pH | 7.51 | None | | | | |
| | 10096404f | Field Msr/Obs | Oxidation reduction potential (ORP) | 153 | mV | | | | |
| | | | Conductivity | 0.76 | mS/cm | | | | |
| | | | DO | 1.39 | mg/l | | | | |
| | | Quality Control Sample-Lab Duplicate | Chloride | 17.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-22063 | | | Nitrate as N | 10.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Chloride | 17.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10096404 | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 10.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.29 | C | | | | |
| | | | pH | 7.27 | None | | | | |
| | 10096405f | Field Msr/Obs | Oxidation reduction potential (ORP) | 111 | mV | | | | |
| | | | Conductivity | 1.21 | mS/cm | | | | |
| WW-22064 | | | DO | 4.01 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10090060 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096405 | Sample-Routine | Chloride | 45.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 21.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.02 | C | | | | |
| | | | pH | 7.31 | None | | | | |
| | 10096406f | Field Msr/Obs | Oxidation reduction potential (ORP) | 215 | mV | | | | |
| | | | Conductivity | 1.18 | mS/cm | | | | |
| WW-22065 | | | DO | 3.35 | mg/l | | | | |
| | | | Chloride | 44.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096406 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 20.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 12.67 | C | | | | |
| | | | pH | 6.8 | None | | | | |
| | 10096407f | Field Msr/Obs | Oxidation reduction potential (ORP) | 128 | mV | | | | |
| | | | Conductivity | 1.95 | mS/cm | | | | |
| WW-22066 | | | DO | 1.05 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10090061 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Chloride | 79.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10096407 | Sample-Routine | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 41.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 11.92 | C | | | | |
| | | | pH | 6.92 | None | | | | |
| | 10096408f | Field Msr/Obs | Oxidation reduction potential (ORP) | 189 | mV | | | | |
| | | | Conductivity | 1.87 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| WW-22067 | 10096408 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10090062 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Chloride | 70 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10096408 | Sample-Routine | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 39.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.8 | C | | | | |
| | | | pH | 7.62 | None | | | | |
| WW-22068 | 2206821f | Field Msr/Obs | Oxidation reduction potential (ORP) | 194 | mV | | | | |
| | | | Conductivity | 0.45 | mS/cm | | | | |
| | | | DO | 6.49 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 10.97 | C | | | | |
| | | | pH | 8.04 | None | | | | |
| WW-22069 | 2206922f | Field Msr/Obs | Oxidation reduction potential (ORP) | 212 | mV | | | | |
| | | | Conductivity | 0.37 | mS/cm | | | | |
| | | | DO | 6.68 | mg/l | | | | |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 15.05 | C | | | | |
| | | | pH | 7.74 | None | | | | |
| | 10096411f | Field Msr/Obs | Oxidation reduction potential (ORP) | 111 | mV | | | | |
| | | | Conductivity | 0.88 | mS/cm | | | | |
| WW-22070 | | | DO | 6.25 | mg/l | | | | |
| | | | Chloride | 52.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096411 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 21.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 9.35 | C | | | | |
| | | | pH | 7.36 | None | | | | |
| WW-22071 | 2207123f | Field Msr/Obs | Oxidation reduction potential (ORP) | 178 | mV | | | | |
| | | | Conductivity | 0.849 | mS/cm | | | | |
| | | | DO | 0.92 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 11.5 | C | | | | |
| | | | pH | 7.64 | None | | | | |
| WW-22072 | 2207224f | Field Msr/Obs | Oxidation reduction potential (ORP) | 193 | mV | | | | |
| | | | Conductivity | 0.84 | mS/cm | | | | |
| | | | DO | 3.17 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.22 | C | | | | |
| | | | pH | 6.7 | None | | | | |
| WW-22073 | 2207325f | Field Msr/Obs | Oxidation reduction potential (ORP) | 182 | mV | | | | |
| | | | Conductivity | 0.27 | mS/cm | | | | |
| | | | DO | 7.38 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.1 | C | | | | |
| | | | pH | 7.66 | None | | | | |
| WW-22074 | 2207426f | Field Msr/Obs | Oxidation reduction potential (ORP) | 127 | mV | | | | |
| | | | Conductivity | 0.656 | mS/cm | | | | |
| | | | DO | 6.4 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.64 | C | | | | |
| | | | pH | 7.62 | None | | | | |
| WW-22075 | 2207527f | Field Msr/Obs | Oxidation reduction potential (ORP) | 178 | mV | | | | |
| | | | Conductivity | 0.627 | mS/cm | | | | |
| | | | DO | 4.56 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.22 | C | | | | |
| | | | pH | 7.67 | None | | | | |
| WW-22076 | 10096412f | Field Msr/Obs | Oxidation reduction potential (ORP) | 159 | mV | | | | |
| | | | Conductivity | 0.376 | mS/cm | | | | |
| | | | DO | 2.02 | mg/l | | | | |
| | 10096412 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.66 | C | | | | |
| | | | pH | 7.59 | None | | | | |
| WW-22078 | 2207828f | Field Msr/Obs | Oxidation reduction potential (ORP) | 193 | mV | | | | |
| | | | Conductivity | 0.583 | mS/cm | | | | |
| | | | DO | 6.8 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 12.51 | C | | | | |
| | | | pH | 7.5 | None | | | | |
| WW-22079 | 10096413f | Field Msr/Obs | Oxidation reduction potential (ORP) | 201 | mV | | | | |
| | | | Conductivity | 0.593 | mS/cm | | | | |
| | | | DO | 1.53 | mg/l | | | | |
| | 10096413 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.22 | C | | | | |
| | | | pH | 7.64 | None | | | | |
| WW-22080 | 2208029f | Field Msr/Obs | Oxidation reduction potential (ORP) | 76 | mV | | | | |
| | | | Conductivity | 0.695 | mS/cm | | | | |
| | | | DO | 5.37 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 10.98 | C | | | | |
| | | | pH | 7.52 | None | | | | |
| WW-22082 | 2208230f | Field Msr/Obs | Oxidation reduction potential (ORP) | 164 | mV | | | | |
| | | | Conductivity | 0.646 | mS/cm | | | | |
| | | | DO | 4.94 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 12.52 | C | | | | |
| | | | pH | 7.98 | None | | | | |
| WW-22083 | 10096423f | Field Msr/Obs | Oxidation reduction potential (ORP) | -190 | mV | | | | |
| | | | Conductivity | 0.289 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096423 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 11.06 | C | | | | |
| | | | pH | 7.73 | None | | | | |
| WW-22084 | 2208431f | Field Msr/Obs | Oxidation reduction potential (ORP) | 95 | mV | | | | |
| | | | Conductivity | 0.402 | mS/cm | | | | |
| | | | DO | 6.65 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.59 | C | | | | |
| | | | pH | 7.84 | None | | | | |
| WW-22085 | 2208532f | Field Msr/Obs | Oxidation reduction potential (ORP) | 153 | mV | | | | |
| | | | Conductivity | 0.573 | mS/cm | | | | |
| | | | DO | 8.13 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.83 | C | | | | |
| | | | pH | 7.49 | None | | | | |
| | 10096426f | Field Msr/Obs | Oxidation reduction potential (ORP) | 58 | mV | | | | |
| WW-22086 | | | Conductivity | 0.651 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096426 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | 10096427 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 11.46 | C | | | | |
| | | | pH | 7.18 | None | | | | |
| | 10096428f | Field Msr/Obs | Oxidation reduction potential (ORP) | 163 | mV | | | | |
| | | | Conductivity | 1.44 | mS/cm | | | | |
| | | | DO | 3.03 | mg/l | | | | |
| | | | Chloride | 45 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| WW-22087 | 10096428 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 14.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Chloride | 44.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096429 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 14.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.44 | C | | | | |
| | | | pH | 7.5 | None | | | | |
| WW-22088 | 10096431f | Field Msr/Obs | Oxidation reduction potential (ORP) | -71 | mV | | | | |
| | | | Conductivity | 0.689 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096431 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.11 | C | | | | |
| | | | pH | 7.39 | None | | | | |
| WW-22089 | 2208933f | Field Msr/Obs | Oxidation reduction potential (ORP) | 151 | mV | | | | |
| | | | Conductivity | 0.576 | mS/cm | | | | |
| | | | DO | 6.36 | mg/l | | | | |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.55 | C | | | | |
| | | | pH | 7.52 | None | | | | |
| | 10096433f | Field Msr/Obs | Oxidation reduction potential (ORP) | 166 | mV | | | | |
| | | | Conductivity | 1.34 | mS/cm | | | | |
| WW-22090 | | | DO | 4.77 | mg/l | | | | |
| | | | Chloride | 72 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096433 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 11.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.4 | C | | | | |
| | | | pH | 7.55 | None | | | | |
| | 10096434f | Field Msr/Obs | Oxidation reduction potential (ORP) | 195 | mV | | | | |
| | | | Conductivity | 1 | mS/cm | | | | |
| WW-22091 | | | DO | 6.67 | mg/l | | | | |
| | | | Chloride | 37.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096434 | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 12.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 11.76 | C | | | | |
| | | | pH | 7.69 | None | | | | |
| | 10096435f | Field Msr/Obs | Oxidation reduction potential (ORP) | 168 | mV | | | | |
| | | | Conductivity | 0.599 | mS/cm | | | | |
| | | | DO | 7.02 | mg/l | | | | |
| WW-22092 | | Quality Control Sample-Lab Duplicate | Chloride | 7.87 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 8.59 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Chloride | 7.89 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10096435 | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | Sample-Routine | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 8.57 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 18.79 | C | | | | |
| | | | pH | 7.34 | None | | | | |
| | 10096436f | Field Msr/Obs | Oxidation reduction potential (ORP) | 0.15 | mV | | | | |
| | | | Conductivity | 0.316 | mS/cm | | | | |
| WW-22093 | | | DO | 0 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096436 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 17.08 | C | | | | |
| | | | pH | 7.65 | None | | | | |
| WW-22094 | 2209434f | Field Msr/Obs | Oxidation reduction potential (ORP) | 158 | mV | | | | |
| | | | Conductivity | 0.397 | mS/cm | | | | |
| | | | DO | 5.52 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.36 | C | | | | |
| | | | pH | 7.71 | None | | | | |
| WW-22096 | 2209635f | Field Msr/Obs | Oxidation reduction potential (ORP) | 142 | mV | | | | |
| | | | Conductivity | 0.482 | mS/cm | | | | |
| | | | DO | 6.93 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.71 | C | | | | |
| | | | pH | 7.71 | None | | | | |
| WW-22098 | 10096439f | Field Msr/Obs | Oxidation reduction potential (ORP) | 148 | mV | | | | |
| | | | Conductivity | 0.507 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096439 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.58 | C | | | | |
| | | | pH | 7.72 | None | | | | |
| WW-22099 | 2209936f | Field Msr/Obs | Oxidation reduction potential (ORP) | 190 | mV | | | | |
| | | | Conductivity | 0.633 | mS/cm | | | | |
| | | | DO | 5.13 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.02 | C | | | | |
| | | | pH | 7.43 | None | | | | |
| WW-22100 | 2210037f | Field Msr/Obs | Oxidation reduction potential (ORP) | 131 | mV | | | | |
| | | | Conductivity | 0.597 | mS/cm | | | | |
| | | | DO | 7.91 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.83 | C | | | | |
| | | | pH | 7.87 | None | | | | |
| WW-22101 | 2210138f | Field Msr/Obs | Oxidation reduction potential (ORP) | 122 | mV | | | | |
| | | | Conductivity | 0.364 | mS/cm | | | | |
| | | | DO | 3.16 | mg/l | | | | |
| WW-22102 | 2210239f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.28 | C | | | | |
| | | | pH | 7.88 | None | | | | |
| | 2210339f | Field Msr/Obs | Oxidation reduction potential (ORP) | 108 | mV | | | | |
| WW-22103 | | | Conductivity | 0.354 | mS/cm | | | | |
| | | | DO | 8.39 | mg/l | | | | |
| | 2210340f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | 10096445f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.03 | C | | | | |
| | | | pH | 7.46 | None | | | | |
| | 2210440f | Field Msr/Obs | Oxidation reduction potential (ORP) | -88 | mV | | | | |
| | | | Conductivity | 0.46 | mS/cm | | | | |
| WW-22104 | | | DO | 0 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096445 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.11 | C | | | | |
| | | | pH | 7.59 | None | | | | |
| WW-22105 | 2210541f | Field Msr/Obs | Oxidation reduction potential (ORP) | 70 | mV | | | | |
| | | | Conductivity | 0.608 | mS/cm | | | | |
| | | | DO | 4.54 | mg/l | | | | |
| | | | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 19.68 | C | | | | |
| | | | pH | 8.07 | None | | | | |
| | 10096446f | Field Msr/Obs | Oxidation reduction potential (ORP) | -25 | mV | | | | |
| WW-22106 | | | Conductivity | 0.328 | mS/cm | | | | |
| | | | DO | 8.34 | mg/l | | | | |
| | 10096446 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.59 | C | | | | |
| | | | pH | 8.05 | None | | | | |
| WW-22107 | 2210742f | Field Msr/Obs | Oxidation reduction potential (ORP) | 136 | mV | | | | |
| | | | Conductivity | 0.162 | mS/cm | | | | |
| | | | DO | 7.51 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 17.75 | C | | | | |
| | | | pH | 8.33 | None | | | | |
| WW-22108 | 2210843f | Field Msr/Obs | Oxidation reduction potential (ORP) | 76 | mV | | | | |
| | | | Conductivity | 0.214 | mS/cm | | | | |
| | | | DO | 5.75 | mg/l | | | | |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 10.16 | C | | | | |
| | | | pH | 7.34 | None | | | | |
| | 10096450f | Field Msr/Obs | Oxidation reduction potential (ORP) | 119 | mV | | | | |
| | | | Conductivity | 1.3 | mS/cm | | | | |
| | | | DO | 8.32 | mg/l | | | | |
| WW-22109 | | | Chloride | 53.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096450 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 46.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096451 | Sample-Routine | Chloride | 51.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 44.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.53 | C | | | | |
| | | | pH | 7.67 | None | | | | |
| WW-22110 | 2211044f | Field Msr/Obs | Oxidation reduction potential (ORP) | 121 | mV | | | | |
| | | | Conductivity | 0.413 | mS/cm | | | | |
| | | | DO | 4.14 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.07 | C | | | | |
| | | | pH | 7.56 | None | | | | |
| | 10096452f | Field Msr/Obs | Oxidation reduction potential (ORP) | 135 | mV | | | | |
| WW-22111 | | | Conductivity | 0.496 | mS/cm | | | | |
| | | | DO | 0.89 | mg/l | | | | |
| | 10096452 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.3 | C | | | | |
| | 10096453f | Field Msr/Obs | pH | 8.11 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 133 | mV | | | | |
| WW-22112 | | | Conductivity | 0.323 | mS/cm | | | | |
| | | | DO | 5.36 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096453 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.2 | C | | | | |
| | | | pH | 7.92 | None | | | | |
| WW-22113 | 2211345f | Field Msr/Obs | Oxidation reduction potential (ORP) | 156 | mV | | | | |
| | | | Conductivity | 0.349 | mS/cm | | | | |
| | | | DO | 3.72 | mg/l | | | | |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 14.85 | C | | | | |
| | | | pH | 7.63 | None | | | | |
| | 10096455f | Field Msr/Obs | Oxidation reduction potential (ORP) | 177 | mV | | | | |
| | | | Conductivity | 0.875 | mS/cm | | | | |
| | | | DO | 0.36 | mg/l | | | | |
| WW-22114 | 10096455 | Quality Control Sample-Lab Duplicate | Chloride | 30.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 22.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Chloride | 30.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096455 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 22.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 13.64 | C | | | | |
| | | | pH | 7.43 | None | | | | |
| | 10096456f | Field Msr/Obs | Oxidation reduction potential (ORP) | 163 | mV | | | | |
| | | | Conductivity | 0.809 | mS/cm | | | | |
| | | | DO | 1.79 | mg/l | | | | |
| WW-22115 | 10096456 | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Chloride | 34.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096456 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 23.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.77 | C | | | | |
| | | | pH | 7.51 | None | | | | |
| WW-22116 | 2211646f | Field Msr/Obs | Oxidation reduction potential (ORP) | 74 | mV | | | | |
| | | | Conductivity | 0.596 | mS/cm | | | | |
| | | | DO | 4.14 | mg/l | | | | |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 13.28 | C | | | | |
| | | | pH | 7.42 | None | | | | |
| | 10096459f | Field Msr/Obs | Oxidation reduction potential (ORP) | 132 | mV | | | | |
| | | | Conductivity | 1.03 | mS/cm | | | | |
| | | | DO | 0.24 | mg/l | | | | |
| WW-22117 | | | Chloride | 50.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096459 | Sample-Routine | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 37 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 12.62 | C | | | | |
| | 10096461f | Field Msr/Obs | pH | 7.52 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 138 | mV | | | | |
| WW-22118 | | | Conductivity | 0.796 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | | | Chloride | 13.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10096461 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 12.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-22201 | 2220147f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| WW-22202 | 2220248f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| WW-22203 | 2220349f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| WW-22204 | 2220450f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| WW-22205 | 2220551f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| WW-22206 | 2220652f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| WW-22207 | 2220753f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 9.73 | C | | | | |
| | 10096465f | Field Msr/Obs | pH | 7.64 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 174 | mV | | | | |
| | | | Conductivity | 0.82 | mS/cm | | | | |
| WW-22208 | | | DO | 0.12 | mg/l | | | | |
| | | | Chloride | 21.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096465 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 20.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 12.78 | C | | | | |
| | | | pH | 8.21 | None | | | | |
| WW-31011 | 3101154f | Field Msr/Obs | Oxidation reduction potential (ORP) | 98 | mV | | | | |
| | | | Conductivity | 0.547 | mS/cm | | | | |
| | | | DO | 9.13 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 16.25 | C | | | | |
| | 10086201f | Field Msr/Obs | pH | 8.22 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 162 | mV | | | | |
| WW-31012 | | | Conductivity | 0.309 | mS/cm | | | | |
| | | | DO | 8.32 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086201 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.2 | C | | | | |
| | | | pH | 8.27 | None | | | | |
| WW-31013 | 3101355f | Field Msr/Obs | Oxidation reduction potential (ORP) | 129 | mV | | | | |
| | | | Conductivity | 0.58 | mS/cm | | | | |
| | | | DO | 7.83 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.69 | C | | | | |
| | | | pH | 8.23 | None | | | | |
| WW-31014 | 3101456f | Field Msr/Obs | Oxidation reduction potential (ORP) | 59 | mV | | | | |
| | | | Conductivity | 0.6 | mS/cm | | | | |
| | | | DO | 7.92 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.08 | C | | | | |
| | | | pH | 7.38 | None | | | | |
| WW-31016 | 3101657f | Field Msr/Obs | Oxidation reduction potential (ORP) | 138 | mV | | | | |
| | | | Conductivity | 0.307 | mS/cm | | | | |
| | | | DO | 3.99 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 11.92 | C | | | | |
| | | | pH | 7.34 | None | | | | |
| WW-31017 | 3101758f | Field Msr/Obs | Oxidation reduction potential (ORP) | 150 | mV | | | | |
| | | | Conductivity | 0.331 | mS/cm | | | | |
| | | | DO | 10.24 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.69 | C | | | | |
| | | | pH | 7.16 | None | | | | |
| WW-31018 | 3101859f | Field Msr/Obs | Oxidation reduction potential (ORP) | 186 | mV | | | | |
| | | | Conductivity | 0.319 | mS/cm | | | | |
| | | | DO | 10.44 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 12.18 | C | | | | |
| | 10086202f | Field Msr/Obs | pH | 8.14 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 167 | mV | | | | |
| WW-31019 | | | Conductivity | 0.329 | mS/cm | | | | |
| | | | DO | 9.67 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086202 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.39 | C | | | | |
| | | | pH | 7.14 | None | | | | |
| WW-31020 | 3102060f | Field Msr/Obs | Oxidation reduction potential (ORP) | 142 | mV | | | | |
| | | | Conductivity | 0.277 | mS/cm | | | | |
| | | | DO | 4.69 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 15.04 | C | | | | |
| | 10086203f | Field Msr/Obs | pH | 7.99 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -160 | mV | | | | |
| WW-31022 | | | Conductivity | 0.569 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086203 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 14.17 | C | | | | |
| | | | pH | 7.66 | None | | | | |
| | 10086204f | Field Msr/Obs | Oxidation reduction potential (ORP) | 122 | mV | | | | |
| | | | Conductivity | 0.655 | mS/cm | | | | |
| | | | DO | 9.49 | mg/l | | | | |
| | | | Chloride | 62.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086204 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 38.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-31024 | 10086205 | | Chloride | 63.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10086205 | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086205 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10086205 | | Nitrate as N | 38.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10086205 | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10097002 | Sample-Routine | Nitrate+Nitrite as N | 40.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10107004 | Sample-Routine | Nitrate+Nitrite as N | 40.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10117006 | Sample-Routine | Nitrate+Nitrite as N | 40.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10127008 | Sample-Routine | Nitrate+Nitrite as N | 39.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10137010 | Sample-Routine | Nitrate+Nitrite as N | 41.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10157014 | Sample-Routine | Nitrate+Nitrite as N | 41 | mg/L | J | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10167016 | Sample-Routine | Nitrate+Nitrite as N | 41 | mg/L | J | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10177018 | Sample-Routine | Nitrate+Nitrite as N | 41 | mg/L | J | Manchester Environmental Laboratory | USEPA | 353.2 |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 12.26 | C | | | | |
| | | | pH | 7.68 | None | | | | |
| | 10086206f | Field Msr/Obs | Oxidation reduction potential (ORP) | 147 | mV | | | | |
| | | | Conductivity | 0.666 | mS/cm | | | | |
| | | | DO | 8.95 | mg/l | | | | |
| | 10097001 | Quality Control Sample Lab Duplicate | Nitrate+Nitrite as N | 20.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10127007 | Quality Control Sample-Lab Duplicate | Nitrate+Nitrite as N | 20.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10167015 | Quality Control Sample Lab Duplicate | Nitrate+Nitrite as N | 22 | mg/L | J | Manchester Environmental Laboratory | USEPA | 353.2 |
| | | | Chloride | 41.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-31025 | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086206 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 18.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10097001 | Sample-Routine | Nitrate+Nitrite as N | 20.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10107003 | Sample-Routine | Nitrate+Nitrite as N | 20.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10117005 | Sample-Routine | Nitrate+Nitrite as N | 20.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10127007 | Sample-Routine | Nitrate+Nitrite as N | 20.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10137009 | Sample-Routine | Nitrate+Nitrite as N | 40.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10147011 | Sample-Routine | Nitrate+Nitrite as N | 40.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10147012 | Sample-Routine | Nitrate+Nitrite as N | 44 | mg/L | | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10157013 | Sample-Routine | Nitrate+Nitrite as N | 24 | mg/L | J | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10167015 | Sample-Routine | Nitrate+Nitrite as N | 22 | mg/L | J | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10177017 | Sample-Routine | Nitrate+Nitrite as N | 22 | mg/L | J | Manchester Environmental Laboratory | USEPA | 353.2 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 11.63 | C | | | | |
| | | | pH | 6.88 | None | | | | |
| WW-31029 | 3102961f | Field Msr/Obs | Oxidation reduction potential (ORP) | 184 | mV | | | | |
| | | | Conductivity | 0.279 | mS/cm | | | | |
| | | | DO | 2.89 | mg/l | | | | |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 7.68 | C | | | | |
| | 10086207f | Field Msr/Obs | pH | 7.91 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 116 | mV | | | | |
| | | | Conductivity | 0.21 | mS/cm | | | | |
| WW-31030 | | | DO | 0 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086207 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.61 | C | | | | |
| | 10086208f | Field Msr/Obs | pH | 7.67 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 193 | mV | | | | |
| | | | Conductivity | 0.5 | mS/cm | | | | |
| WW-31031 | | | DO | 0 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086208 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.7 | C | | | | |
| | 10086209f | Field Msr/Obs | pH | 7.83 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 210 | mV | | | | |
| | | | Conductivity | 0.521 | mS/cm | | | | |
| WW-31032 | | | DO | 1.07 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086209 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.8 | C | | | | |
| | | | pH | 7.79 | None | | | | |
| WW-31034 | 3103462f | Field Msr/Obs | Oxidation reduction potential (ORP) | 214 | mV | | | | |
| | | | Conductivity | 0.538 | mS/cm | | | | |
| | | | DO | 5.03 | mg/l | | | | |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 14.84 | C | | | | |
| | 10086211f | Field Msr/Obs | pH | 7.38 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 236 | mV | | | | |
| WW-31035 | | | Conductivity | 0.931 | mS/cm | | | | |
| | | | DO | 8.83 | mg/l | | | | |
| | 10086211 | Sample-Routine | Chloride | 10.5 | mg/L | J | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 12.9 | mg/L | J | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 11.78 | C | | | | |
| WW-31036 | 3103663f | Field Msr/Obs | pH | 7.68 | None | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | Field Msr/Obs | Oxidation reduction potential (ORP) | 142 | mV | | | | |
| | | | Conductivity | 0.305 | mS/cm | | | | |
| | | | DO | 5.68 | mg/l | | | | |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 10.81 | C | | | | |
| | 10086212f | Field Msr/Obs | pH | 7.56 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 158 | mV | | | | |
| | | | Conductivity | 0.476 | mS/cm | | | | |
| | | | DO | 1.34 | mg/l | | | | |
| WW-31038 | | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086212 | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.99 | C | | | | |
| | 10086213f | Field Msr/Obs | pH | 7.51 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 130 | mV | | | | |
| | | | Conductivity | 0.796 | mS/cm | | | | |
| WW-31039 | | | DO | 2.83 | mg/l | | | | |
| | | | Chloride | 24.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086213 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 15 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.96 | C | | | | |
| | 10086214f | Field Msr/Obs | pH | 7.81 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 181 | mV | | | | |
| | | | Conductivity | 0.279 | mS/cm | | | | |
| WW-31040 | | | DO | 0.7 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10086214 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 14.62 | C | | | | |
| | 10086215f | Field Msr/Obs | pH | 7.95 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -131 | mV | | | | |
| | | | Conductivity | 0.266 | mS/cm | | | | |
| WW-31041 | | | DO | 0 | mg/l | | | | |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086215 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10086216 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.22 | C | | | | |
| WW-31045 | 3104564f | Field Msr/Obs | pH | 7.13 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 91 | mV | | | | |
| | | | Conductivity | 0.493 | mS/cm | | | | |
| | | | DO | 7.36 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.3 | C | | | | |
| | 10086217f | Field Msr/Obs | pH | 7.52 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 148 | mV | | | | |
| | | | Conductivity | 0.753 | mS/cm | | | | |
| WW-31046 | | | DO | 4.61 | mg/l | | | | |
| | | | Chloride | 18.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086217 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 14.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.69 | C | | | | |
| | 10086218f | Field Msr/Obs | pH | 7.68 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 169 | mV | | | | |
| | | | Conductivity | 0.553 | mS/cm | | | | |
| WW-31047 | | | DO | 2.79 | mg/l | | | | |
| | | | Chloride | 26.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086218 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 16.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 15.41 | C | | | | |
| WW-31048 | 3104865f | Field Msr/Obs | pH | 7.57 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 116 | mV | | | | |
| | | | Conductivity | 0.572 | mS/cm | | | | |
| | | | DO | 7.21 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.29 | C | | | | |
| WW-31050 | 3105066f | Field Msr/Obs | pH | 7.65 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 141 | mV | | | | |
| | | | Conductivity | 0.365 | mS/cm | | | | |
| | | | DO | 4.25 | mg/l | | | | |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.21 | C | | | | |
| | 10086219f | Field Msr/Obs | pH | 7.49 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 153 | mV | | | | |
| | | | Conductivity | 0.572 | mS/cm | | | | |
| | | | DO | 1.23 | mg/l | | | | |
| WW-31051 | | Quality Control Sample-Lab Duplicate | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Chloride | 8.03 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086219 | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 12.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.25 | C | | | | |
| | 10086221f | Field Msr/Obs | pH | 7.4 | None | | | | |
| WW-31052 | | | Oxidation reduction potential (ORP) | 175 | mV | | | | |
| | | | Conductivity | 0.497 | mS/cm | | | | |
| | | | DO | 0.59 | mg/l | | | | |
| | 10086221 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 19.33 | C | | | | |
| | 10086222f | Field Msr/Obs | pH | 7.38 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 204 | mV | | | | |
| | | | Conductivity | 0.898 | mS/cm | | | | |
| WW-31054 | | | DO | 3.09 | mg/l | | | | |
| | | | Chloride | 34.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086222 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 22 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.17 | C | | | | |
| | 10086223f | Field Msr/Obs | pH | 7.27 | None | | | | |
| WW-31056 | | | Oxidation reduction potential (ORP) | 61 | mV | | | | |
| | | | Conductivity | 0.82 | mS/cm | | | | |
| | | | DO | 0.18 | mg/l | | | | |
| | 10086223 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 12 | C | | | | |
| | 10086224f | Field Msr/Obs | pH | 7.58 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -126 | mV | | | | |
| | | | Conductivity | 0.193 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| WW-31057 | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086224 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10086225 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 8.6 | C | | | | |
| WW-31058 | 3105867f | Field Msr/Obs | pH | 7.58 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 147 | mV | | | | |
| | | | Conductivity | 0.197 | mS/cm | | | | |
| | | | DO | 6.34 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.55 | C | | | | |
| | 10086226f | Field Msr/Obs | pH | 7.28 | None | | | | |
| WW-31059 | | | Oxidation reduction potential (ORP) | 136 | mV | | | | |
| | | | Conductivity | 0.687 | mS/cm | | | | |
| | | | DO | 0.69 | mg/l | | | | |
| | 10086226 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | 10086227 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 9.08 | C | | | | |
| WW-31060 | 3106068f | Field Msr/Obs | pH | 7.23 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 160 | mV | | | | |
| | | | Conductivity | 0.586 | mS/cm | | | | |
| | | | DO | 5.12 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.21 | C | | | | |
| WW-31064 | 3106469f | Field Msr/Obs | pH | 7.33 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 76 | mV | | | | |
| | | | Conductivity | 0.543 | mS/cm | | | | |
| | | | DO | 3.93 | mg/l | | | | |
| | | | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 8.88 | C | | | | |
| | 10086220f | Field Msr/Obs | pH | 7.53 | None | | | | |
| | | | Oxidation reduction potential (ORP) | -86 | mV | | | | |
| WW-31355 | | | Conductivity | 0.644 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10086220 | Quality Control Sample Lab Duplicate | Nitrate+Nitrite as N | 0.05 | mg/L | U | Manchester Environmental Laboratory | USEPA | 353.2 |
| | 10086220 | Sample-Routine | Nitrate+Nitrite as N | 0.05 | mg/L | U | Manchester Environmental Laboratory | USEPA | 353.2 |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 10.46 | C | | | | |
| WW-31356 | 3135670f | Field Msr/Obs | pH | 7.24 | None | | | | |
| | | | Oxidation reduction potential (ORP) | 122 | mV | | | | |
| | | | Conductivity | 0.326 | mS/cm | | | | |
| | | | DO | 2.4 | mg/l | | | | |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 13.3 | C | | | | |
| | 10096501f | Field Msr/Obs | pH | 7.28 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 88 | MV | | | | |
| | | | Conductivity | 1.23 | mS/cm | | | | |
| WW-32068 | | | DO | 9.07 | mg/l | | | | |
| | | | Chloride | 40.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096501 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 27.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 14.73 | C | | | | |
| | 10096502f | Field Msr/Obs | pH | 7.86 | None | | | | |
| WW-32069 | | | Oxidation Reduction Potential (ORP) | -69 | MV | | | | |
| | | | Conductivity | 0.311 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096502 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 13.66 | C | | | | |
| | 10096503f | Field Msr/Obs | pH | 7.34 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 78 | MV | | | | |
| | | | Conductivity | 1.11 | mS/cm | | | | |
| WW-32070 | | | DO | 5.23 | mg/l | | | | |
| | | | Chloride | 104 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096503 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 31.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.34 | C | | | | |
| | 10096504f | Field Msr/Obs | pH | 7.29 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 146 | MV | | | | |
| | | | Conductivity | 9.71 | mS/cm | | | | |
| | | | DO | 0.62 | mg/l | | | | |
| WW-32071 | | Quality Control Sample Lab Duplicate | Chloride | 37.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 12.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Chloride | 37.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | 10096504 | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 12.7 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 15.01 | C | | | | |
| | 10096505f | Field Msr/Obs | pH | 7.43 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 187 | MV | | | | |
| | | | Conductivity | 0.75 | mS/cm | | | | |
| WW-32072 | | | DO | 7.17 | mg/l | | | | |
| | | | Chloride | 26.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096505 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 12.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.62 | C | | | | |
| | 10096506f | Field Msr/Obs | pH | 7.58 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 141 | MV | | | | |
| | | | Conductivity | 0.061 | mS/cm | | | | |
| WW-32073 | | | DO | 6.36 | mg/l | | | | |
| | | | Chloride | 28.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096506 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 16.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 12.09 | C | | | | |
| | 10096507f | Field Msr/Obs | pH | 7.59 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 78 | MV | | | | |
| | | | Conductivity | 1.13 | mS/cm | | | | |
| WW-32074 | | | DO | 7.14 | mg/l | | | | |
| | | | Chloride | 47.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096507 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 10.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.52 | C | | | | |
| WW-32075 | 3207572f | Field Msr/Obs | pH | 7.69 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 66 | MV | | | | |
| | | | Conductivity | 0.529 | mS/cm | | | | |
| | | | DO | 10.06 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.36 | C | | | | |
| WW-32076 | 3207673f | Field Msr/Obs | pH | 7.56 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 94 | MV | | | | |
| | | | Conductivity | 0.336 | mS/cm | | | | |
| | | | DO | 7.58 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.25 | C | | | | |
| WW-32079 | 3207974f | Field Msr/Obs | pH | 7.31 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 115 | MV | | | | |
| | | | Conductivity | 0.34 | mS/cm | | | | |
| | | | DO | 10.32 | mg/l | | | | |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.31 | C | | | | |
| | 10096508f | Field Msr/Obs | pH | 7.51 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 148 | MV | | | | |
| | | | Conductivity | 0.758 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| WW-32080 | | | Chloride | 15.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | 10096508 | Sample-Routine | Total Kjeldahl Nitrogen | 1.15 | mg/L | | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 8.65 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 8.48 | C | | | | |
| | 10096509f | Field Msr/Obs | pH | 7.92 | None | | | | |
| WW-32081 | | | Oxidation Reduction Potential (ORP) | 167 | MV | | | | |
| | | | Conductivity | 0.265 | mS/cm | | | | |
| | | | DO | 1.22 | mg/l | | | | |
| | 10096509 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 14.31 | C | | | | |
| | 10096594f | Field Msr/Obs | pH | 7.4 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 74 | MV | | | | |
| | | | Conductivity | 0.494 | mS/cm | | | | |
| | | | DO | 8.6 | mg/l | | | | |
| | | Quality Control Sample-Lab Duplicate | Chloride | 34.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 8.05 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Chloride | 34.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| WW-32082 | 10096594 | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 8.06 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Chloride | 34.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096595 | Sample-Routine | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 8.05 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 16.17 | C | | | | |
| | 10096596f | Field Msr/Obs | pH | 7.75 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 126 | MV | | | | |
| | | | Conductivity | 0.606 | mS/cm | | | | |
| WW-32083 | | | DO | 9.5 | mg/l | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 10096596 | Sample-Routine | Chloride | 21.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 6.53 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32084 | 3208475f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 13.77 | C | | | | |
| | | | pH | 7.48 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 138 | MV | | | | |
| | | | Conductivity | 0.144 | mS/cm | | | | |
| | | | DO | 8.47 | mg/l | | | | |
| WW-32085 | 3208576f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.41 | C | | | | |
| | | | pH | 7.65 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 128 | MV | | | | |
| | | | Conductivity | 0.533 | mS/cm | | | | |
| | | | DO | 5.6 | mg/l | | | | |
| WW-32086 | 3208677f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.78 | C | | | | |
| | | | pH | 7.58 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 49 | MV | | | | |
| | | | Conductivity | 0.965 | mS/cm | | | | |
| | | | DO | 5.8 | mg/l | | | | |
| WW-32087 | 3208778f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 7.49 | C | | | | |
| | | | pH | 7.47 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 147 | MV | | | | |
| | | | Conductivity | 0.392 | mS/cm | | | | |
| | | | DO | 4.13 | mg/l | | | | |
| WW-32091 | 10096597f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 15.12 | C | | | | |
| | | | pH | 7.5 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 77 | MV | | | | |
| | | | Conductivity | 0.58 | mS/cm | | | | |
| | | | DO | 9.23 | mg/l | | | | |
| | 10096593 | Quality Control Sample-Field Blank | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | 10096597 | Sample-Routine | Chloride | 35.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 3.76 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32092 | 3209279f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 12.78 | C | | | | |
| | | | pH | 7.38 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 154 | MV | | | | |
| | | | Conductivity | 0.405 | mS/cm | | | | |
| | | | DO | 8.62 | mg/l | | | | |
| WW-32093 | 3209380f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 13.06 | C | | | | |
| | | | pH | 7.59 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 116 | MV | | | | |
| | | | Conductivity | 0.814 | mS/cm | | | | |
| | | | DO | 7.94 | mg/l | | | | |
| WW-32094 | 3209481f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.45 | C | | | | |
| | | | pH | 7.58 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 73 | MV | | | | |
| | | | Conductivity | 0.682 | mS/cm | | | | |
| | | | DO | 5.32 | mg/l | | | | |
| WW-32095 | 3209582f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.6 | C | | | | |
| | | | pH | 7.57 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 0.31 | MV | | | | |
| | | | Conductivity | 0.438 | mS/cm | | | | |
| | | | DO | 3.65 | mg/l | | | | |
| WW-32096 | 3209683f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 11.35 | C | | | | |
| | | | pH | 7.69 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 132 | MV | | | | |
| | | | Conductivity | 0.418 | mS/cm | | | | |
| | | | DO | 8.58 | mg/l | | | | |
| WW-32097 | 3209784f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 15.12 | C | | | | |
| | | | pH | 7.67 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 59 | MV | | | | |
| | | | Conductivity | 0.666 | mS/cm | | | | |
| | | | DO | 7.9 | mg/l | | | | |
| WW-32098 | 3209885f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.99 | C | | | | |
| | | | pH | 7.63 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 174 | MV | | | | |
| | | | Conductivity | 0.32 | mS/cm | | | | |
| | | | DO | 5.52 | mg/l | | | | |
| WW-32100 | 10096599f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 12.79 | C | | | | |
| | | | pH | 7.43 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 122 | MV | | | | |
| | | | Conductivity | 0.771 | mS/cm | | | | |
| | | | DO | 1.95 | mg/l | | | | |
| | 10096599 | Sample-Routine | Chloride | 13 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 15.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32101 | 10096598f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 12.5 | C | | | | |
| | | | pH | 7.57 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 145 | MV | | | | |
| | | | Conductivity | 0.436 | mS/cm | | | | |
| | | | DO | 0.85 | mg/l | | | | |
| | 10096598 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-32102 | 10096510f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.47 | C | | | | |
| | | | pH | 7.68 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 74 | MV | | | | |
| | | | Conductivity | 0.417 | mS/cm | | | | |
| | | | DO | 0.46 | mg/l | | | | |
| | 10096510 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-32103 | 3210386f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.76 | C | | | | |
| | | | pH | 7.66 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 149 | MV | | | | |
| | | | Conductivity | 0.34 | mS/cm | | | | |
| | | | DO | 3.03 | mg/l | | | | |
| WW-32104 | 10096511f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 15.33 | C | | | | |
| | | | pH | 7.97 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 150 | MV | | | | |
| | | | Conductivity | 0.643 | mS/cm | | | | |
| | | | DO | 0.82 | mg/l | | | | |
| | 10096511 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.99 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32105 | 10096512f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 14.77 | C | | | | |
| | | | pH | 7.19 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 161 | MV | | | | |
| | | | Conductivity | 0.86 | mS/cm | | | | |
| | | | DO | 5.75 | mg/l | | | | |
| | 10096512 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32106 | 10096513f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 13.71 | C | | | | |
| | | | pH | 7.3 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 193 | MV | | | | |
| | | | Conductivity | 0.607 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096513 | Sample-Routine | Chloride | 9.23 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 12 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32107 | 10096514f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 12.23 | C | | | | |
| | | | pH | 7.37 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 215 | MV | | | | |
| | | | Conductivity | 0.737 | mS/cm | | | | |
| | | | DO | 8.27 | mg/l | | | | |
| | 10096514 | Quality Control Sample-Lab Duplicate | Chloride | 26.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Nitrate as N | 11.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | Sample-Routine | Chloride | 26.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 11.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32108 | 10096515f | Field Msr/Obs | Nitrate as N | 20 | mg/l | J | | | |
| | | | Temperature, water | 14.45 | C | | | | |
| | | | pH | 7.49 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 131 | MV | | | | |
| | | | Conductivity | 0.55 | mS/cm | | | | |
| | | | DO | 2.99 | mg/l | | | | |
| | 10096515 | Sample-Routine | Chloride | 26.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 9.51 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32109 | 10096516f | Field Msr/Obs | Nitrate as N | 1 | mg/l | J | | | |
| | | | Temperature, water | 13.7 | C | | | | |
| | | | pH | 7.72 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | -79 | MV | | | | |
| | | | Conductivity | 0.28 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096516 | Sample-Routine | Total Kjeldahl Nitrogen | 0.5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-32110 | 3211087f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.95 | C | | | | |
| | | | pH | 7.55 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 129 | MV | | | | |
| | | | Conductivity | 0.573 | mS/cm | | | | |
| | | | DO | 2.53 | mg/l | | | | |
| WW-32111 | 10096517f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 12.68 | C | | | | |
| | | | pH | 7.54 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 128 | MV | | | | |
| | | | Conductivity | 0.582 | mS/cm | | | | |
| | | | DO | 0.72 | mg/l | | | | |
| | 10096517 | Sample-Routine | Chloride | 9.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 9.29 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096518 | Sample-Routine | Chloride | 9.87 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 9.29 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32112 | 10096519f | Field Msr/Obs | Nitrate as N | 0 | mg/l | | | | |
| | | | Temperature, water | 15.5 | C | | | | |
| | | | pH | 7.84 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | -200 | MV | | | | |
| | | | Conductivity | 0.501 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096519 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32113 | 10096520f | Field Msr/Obs | Nitrate as N | 50 | mg/l | J | | | |
| | | | Temperature, water | 14.2 | C | | | | |
| | | | pH | 6.42 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 120 | MV | | | | |
| | | | Conductivity | 1.05 | mS/cm | | | | |
| | | | DO | 6.44 | mg/l | | | | |
| | 10096520 | Sample-Routine | Chloride | 45.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 21.3 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32114 | 10096521f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.89 | C | | | | |
| | | | pH | 7.91 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 114 | MV | | | | |
| | | | Conductivity | 0.351 | mS/cm | | | | |
| | | | DO | 1.62 | mg/l | | | | |
| | 10096521 | Sample-Routine | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32115 | 10096522f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 14.26 | C | | | | |
| | | | pH | 7.43 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 113 | MV | | | | |
| | | | Conductivity | 0.612 | mS/cm | | | | |
| | | | DO | 4.99 | mg/l | | | | |
| | 10096522 | Sample-Routine | Chloride | 17.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 9.61 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32116 | 10096523f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 12.79 | C | | | | |
| | | | pH | 7.54 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 58 | MV | | | | |
| | | | Conductivity | 0.585 | mS/cm | | | | |
| | | | DO | 1.63 | mg/l | | | | |
| | 10096523 | Sample-Routine | Chloride | 14.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 9.01 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32117 | 10096524f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 14.55 | C | | | | |
| | | | pH | 7.46 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 103 | MV | | | | |
| | | | Conductivity | 0.771 | mS/cm | | | | |
| | | | DO | 7.06 | mg/l | | | | |
| | 10096524 | Sample-Routine | Chloride | 9.08 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 14.2 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32118 | 10096525f | Field Msr/Obs | Nitrate as N | 2 | mg/l | J | | | |
| | | | Temperature, water | 14.62 | C | | | | |
| | | | pH | 8.15 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 41 | MV | | | | |
| | | | Conductivity | 0.374 | mS/cm | | | | |
| | | | DO | 0.94 | mg/l | | | | |
| | 10096525 | Sample-Routine | Total Kjeldahl Nitrogen | 0.51 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-32119 | 3211988f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13.44 | C | | | | |
| | | | pH | 7.26 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 159 | MV | | | | |
| | | | Conductivity | 0.447 | mS/cm | | | | |
| | | | DO | 8.01 | mg/l | | | | |
| WW-32120 | 10096526f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 14.05 | C | | | | |
| | | | pH | 7.64 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 127 | MV | | | | |
| | | | Conductivity | 0.564 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096526 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| WW-32122 | 10096527f | Field Msr/Obs | Nitrate as N | 10 | mg/l | J | | | |
| | | | Temperature, water | 11.08 | C | | | | |
| | | | pH | 7.49 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 88 | MV | | | | |
| | | | Conductivity | 0.615 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096527 | Sample-Routine | Chloride | 16.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 8.98 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| WW-32123 | 3212389f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 15.14 | C | | | | |
| | | | pH | 7.7 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 100 | MV | | | | |
| | | | Conductivity | 0.411 | mS/cm | | | | |
| | | | DO | 2.56 | mg/l | | | | |
| WW-32124 | 3212490f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 13 | C | | | | |
| | | | pH | 7.75 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 147 | MV | | | | |
| | | | Conductivity | 0.377 | mS/cm | | | | |
| | | | DO | 6.23 | mg/l | | | | |
| WW-32125 | 3212591f | Field Msr/Obs | Nitrate as N | 5 | mg/l | J | | | |
| | | | Temperature, water | 10.16 | C | | | | |
| | | | pH | 7.66 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 90 | MV | | | | |
| | | | Conductivity | 0.568 | mS/cm | | | | |
| | | | DO | 10.55 | mg/l | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Nitrate as N | 5 | mg/l | J | | | |
| WW-32126 | 10096528f | Field Msr/Obs | Temperature, water | 12.56 | C | | | | |
| | | | pH | 7.38 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 117 | MV | | | | |
| | | | Conductivity | 0.537 | mS/cm | | | | |
| | | | DO | 0.078 | mg/l | | | | |
| | 10096528 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 2 | mg/l | J | | | |
| WW-32127 | 3212792f | Field Msr/Obs | Temperature, water | 13.25 | C | | | | |
| | | | pH | 7.25 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 50 | MV | | | | |
| | | | Conductivity | 0.324 | mS/cm | | | | |
| | | | DO | 6.48 | mg/l | | | | |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| WW-32128 | 10096529f | Field Msr/Obs | Temperature, water | 14.33 | C | | | | |
| | | | pH | 7.43 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 112 | MV | | | | |
| | | | Conductivity | 0.664 | mS/cm | | | | |
| | | | DO | 2.56 | mg/l | | | | |
| | 10096529 | Sample-Routine | Chloride | 23.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 14.4 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096530 | Sample-Routine | Chloride | 23.8 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 14 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| WW-32129 | 10096531f | Field Msr/Obs | Temperature, water | 13.51 | C | | | | |
| | | | pH | 7.27 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 137 | MV | | | | |
| | | | Conductivity | 0.928 | mS/cm | | | | |
| | | | DO | 0 | mg/l | | | | |
| | 10096531 | Sample-Routine | Chloride | 51.1 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5.1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 18.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | 10096532 | Sample-Routine | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 20 | mg/l | J | | | |
| WW-32130 | 10096533f | Field Msr/Obs | Temperature, water | 13.31 | C | | | | |
| | | | pH | 7.41 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 160 | MV | | | | |
| | | | Conductivity | 0.876 | mS/cm | | | | |
| | | | DO | 2.36 | mg/l | | | | |
| | 10096533 | Sample-Routine | Chloride | 27.9 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Nitrate as N | 20.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 125 | per 100 ml | | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 50 | mg/l | J | | | |
| WW-32131 | 10096534f | Field Msr/Obs | Temperature, water | 14.77 | C | | | | |
| | | | pH | 7.27 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 151 | MV | | | | |
| | | | Conductivity | 1.14 | mS/cm | | | | |
| | | | DO | 1.36 | mg/l | | | | |
| | 10096534 | Sample-Routine | Chloride | 71.5 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Escherichia coli | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-F |
| | | | Fecal Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9221-E |
| | | | Total Kjeldahl Nitrogen | 5 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 20.6 | mg/L | | Manchester Environmental Laboratory | USEPA | 300 |
| | | | Total Coliform | 1 | per 100 ml | KK | Manchester Environmental Laboratory | APHA | 9222-B |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| WW-32132 | 3213293f | Field Msr/Obs | Temperature, water | 14.34 | C | | | | |
| | | | pH | 7.65 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 90 | MV | | | | |
| | | | Conductivity | 0.315 | mS/cm | | | | |
| | | | DO | 3.97 | mg/l | | | | |
| | | | Nitrate as N | 5 | mg/l | J | | | |
| WW-32133 | 10096535f | Field Msr/Obs | Temperature, water | 12.3 | C | | | | |
| | | | pH | 7.47 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 142 | MV | | | | |
| | | | Conductivity | 0.637 | mS/cm | | | | |
| | | | DO | 0.67 | mg/l | | | | |
| | 10096535 | Sample-Routine | Total Kjeldahl Nitrogen | 1 | mg/L | U | Manchester Environmental Laboratory | USEPA | 351.2 |
| | | | Nitrate as N | 10 | mg/l | J | | | |
| WW-32135 | 3213571f | Field Msr/Obs | Temperature, water | 14.79 | C | | | | |
| | | | pH | 7.5 | None | | | | |
| | | | Oxidation Reduction Potential (ORP) | 127 | MV | | | | |
| | | | Conductivity | 0.526 | mS/cm | | | | |
| | | | DO | 2.33 | mg/l | | | | |