

**Table 4.0-1
Summary of Proposed Samples and Analyses**

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|-------------------|----------------------------------|--|---------------------------------|--------------------------------------|----------------------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| TA-03 | | | | | | | | | | | | | | | | | | | | | |
| | AOC 03-001(e) and SWMU 03-010(a) | Quarterly groundwater sampling of remaining well 03-B-13. | Well 03-B-13 | n/a ^a | water | X ^b | — ^c | — | — | X | X | X | — | — | — | — | — | X | — | — | — |
| | SWMU 03-001(k) | Collect 20 surface asphalt and/or concrete samples from 12 locations where electrical equipment and drums of vacuum oil were stored adjacent to the south side of the building on concrete and asphalt covering the site and from eight locations surrounding the former storage area. | 20 locations, 20 samples | Concrete or asphalt | Surface concrete or asphalt | — | — | — | — | — | — | — | — | X | — | — | — | X | — | — | — |
| | | Collect 40 samples from two depths beneath the concrete and/or asphalt from the same 12 locations where electrical equipment and drums of vacuum oil were stored adjacent to the south side of the building and from the same eight locations surrounding the former storage area. | 20 locations, 40 samples | 0–1, 2–3 beneath concrete or asphalt | Soil beneath concrete or asphalt | X | X | X | — | X | X | — | — | X | — | — | — | X | — | — | — |
| | | Collect 16 samples from two depths from eight locations in the two drainages downgradient of the site. NOTE: Samples from the western drainage will also be used to characterize lateral extent for SWMU 03-055(a). | 8 locations, 16 samples | 0–1, top 1 ft of unweathered tuff | Soil, tuff, sediment | X | X | X | — | X | X | — | — | X | — | — | — | X | — | — | — |
| | SWMU 03-003(a) and AOC 03-042 | Collect 10 samples from the asphalt and/or concrete and from two depths beneath the asphalt and/or concrete from 10 locations within the former storage area and concrete containment area. | 10 locations, 10 samples | Surface concrete or asphalt | Concrete, asphalt | — | — | — | — | — | — | — | — | X | — | — | — | — | — | — | — |
| | | Collect 20 samples from the asphalt and/or concrete and from two depths beneath the asphalt and/or concrete from 10 locations within the former storage area and concrete containment area | 10 locations, 20 samples | 0–1, 2–3 beneath concrete or asphalt | Soil beneath concrete or asphalt | X | X | X | — | X | X | — | — | X | — | — | — | — | — | — | — |
| | | Collect 14 samples (beneath any asphalt) from two depths from seven locations around the former storage area. | 7 locations, 14 samples | 0–1, 2–3 beneath concrete or asphalt | Soil beneath concrete or asphalt | X | X | X | — | X | X | — | — | X | — | — | — | — | — | — | — |
| | SWMU 03-003(b) | Collect 7 surface base course samples from seven locations within the former storage area. | 7 locations, 7 samples | Surface base course | Base course | — | — | — | — | — | — | — | — | X | — | — | — | — | — | — | — |
| | | Collect 14 samples from two depths beneath base course from the same seven locations within the former storage area. | 7 locations, 14 samples | 0–1, 2–3 beneath base course | Soil beneath base course | X | X | X | — | X | X | — | — | X | — | — | — | — | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|---|------------------------|--|---------------------------------|---|------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| | SWMU 03-003(b) (cont.) | Collect 10 samples from two depths (beneath any asphalt) from five locations around the former storage area. | 5 locations, 10 samples | 0–1, 2–3 beneath concrete or asphalt | Soil | X | X | X | — | X | X | — | — | X | — | — | — | — | — | — | — |
| | AOC 03-003(h) | No sampling currently proposed; sampling delayed until decontamination and decommissioning (D&D) of building 03-0039. | n/a | n/a | n/a | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | AOC 03-003(j) | No sampling currently proposed; sampling delayed until D&D of building 03-0040. | n/a | n/a | n/a | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | AOC 03-003(k) | Collect 16 samples from two depths beneath the asphalt from four locations around former transformer location and four downgradient locations. | 8 locations, 16 samples | 0–1, 2–3 beneath asphalt | Soil, tuff | — | — | — | — | — | — | — | — | X | — | — | — | — | — | — | — |
| | AOC 03-003(l) | No sampling currently proposed; sampling delayed until D&D of building 03-0016. | n/a | n/a | n/a | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | AOC 03-003(p) | Collect 42 samples from two depths from twelve locations within the former storage area (including three previous VCA confirmation sampling locations 03-09000, 03-09001, and 03-09002) and from nine locations around the former storage area. | 21 locations, 42 samples | 0–1, 2-3 beneath asphalt | Soil, tuff | X | X | — | — | X | X | — | — | X | — | — | — | — | — | — | — |
| | AOC 03-014(a2) | Collect six samples from two depths beneath the drainline from three locations between building 03-0316 and where the outlet drainline connects to the main sanitary sewer line north of building 03-0316. | 3 locations, 6 samples | 0–1, 2–3 (beneath drainline) | Soil, tuff | X | X | X | — | X | X | — | — | X ^d | — | — | — | — | — | — | — |
| | SWMU 03-014(t) | Collect 12 samples from two depths beneath and adjacent to the bottom of the lift station from two locations adjacent to the lift station and four locations along the drainline between the lift station and where it connects to the main sanitary sewer line. | 6 locations, 12 samples | 0–1, 2–3 (beneath and adjacent to bottom of lift station and drainline) | Soil, tuff | X | X | X | — | X | X | — | — | X ^d | — | — | — | — | — | — | — |
| | AOC 03-014(z) | No sampling currently proposed; sampling delayed until D&D of building 03-0040. | n/a | n/a | n/a | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | AOC 03-022 | Collect samples from three depths (0 to 1 ft, 3 to 4 ft, and 5 to 6 ft beneath clean fill or until no soil staining, odor, or elevated PID readings observed) from eight locations within sump footprint. | 8 locations, 24 samples | 0-1, 3–4, 5–6 (beneath clean fill) | Soil, tuff | X | X | — | — | X | X | — | — | X | X | — | — | — | — | — | — |
| Collect 24 samples from three depths from eight locations around the former sump footprint. | | 8 locations, 24 samples | 1–2, 3–4, 5–6 | Soil, tuff, sediment | X | X | — | — | X | X | — | — | — | X | X | — | — | — | — | — | — |
| Collect nine samples from three depths from three locations along the former location of the oil transfer line. | | 3 locations, 9 samples | 1–2, 3–4, 5–6 | Soil, tuff | X | X | — | — | X | X | — | — | — | X | X | — | — | — | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|-------------------|--------------------|--|---------------------------------|--|----------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| | AOC 03-022 (cont.) | Collect samples from two depths from nine locations in the two drainages downgradient of the site. | 9 locations, 18 samples | 0-1, top 1 ft of unweathered tuff | Soil, tuff, sediment | X | X | — | — | X | X | — | — | X | X | — | — | — | — | — | — |
| | SWMU 03-025(b) | No sampling currently proposed; sampling delayed until D&D of building 03-0102. | n/a | n/a | n/a | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | AOC 03-025(c) | Collect six samples from two depths beneath the bottom of the sump from three locations around the structure (north, south, and east sides of the sump). | 3 locations, 6 samples | 0–1, 2–3 (beneath bottom of sump) | Soil | X | X | X | X | X | X | — | — | X ^d | X | X | X | — | X | X | — |
| | SWMU 03-026(d) | No sampling currently proposed; sampling delayed until D&D of building 03-0016. | n/a | n/a | n/a | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| | SWMU 03-033 | Collect 28 samples from two depths beneath former structures from: <ul style="list-style-type: none"> • two locations within the steel containment excavation, • two locations within the concrete secondary containment excavation, • three locations around the concrete secondary containment structure, • three locations within the drainline excavation, and • four locations downgradient of these structures. | 14 locations, 28 samples | 0–1, 3–4 (beneath structures) | Soil | X | X | X | X | X | X | — | — | X ^d | — | — | — | — | — | — | — |
| | AOC 03-038(f) | Collect six samples from two depths beneath drainline from three locations along the drainline. Use radiological field screening to guide sampling. | 3 locations, 6 samples | 0–1, 2–3 (beneath drainline) | Soil, tuff | X | X | X | X | X | X | — | — | X ^d | — | X | X | X | X | — | — |
| | SWMU 03-043(c) | Collect 15 samples from three depths from one location in the center of the former manhole location and four step-out locations around the former manhole location. | 5 locations, 15 samples | 1–2, 3–4, 6–7 | Soil, tuff | X | X | X | X | X | X | — | — | X ^d | — | X | X | X | X | — | — |
| | | Collect six samples from two depths beneath the bottom of the former drainline from three locations along former drainline location. Use radiological field screening to guide sampling. | 3 locations, 6 samples | 0–1, 2–3 (beneath former drainline) | Soil, tuff | X | X | X | X | X | X | — | — | X ^d | — | X | X | X | X | — | — |
| 03-050(a)-00 | SWMU 03-050(a) | Collect 44 samples from two depths (beneath any asphalt or concrete) at twenty-two locations along the fence line around the CMR building (building 03-0029). | 22 locations, 44 samples | 0–1, 2–3 (beneath asphalt or concrete) | Soil | — | — | — | — | — | — | — | — | X ^c | — | X | X | X | X | X | X |
| | SWMU 03-050(d) | Collect 22 samples from two depths (beneath any asphalt or concrete) from eleven locations around building 03-0102. | 11 locations, 22 samples | 0–1, 2–3 (beneath asphalt or concrete) | Soil | — | — | — | — | — | — | — | — | X ^d | — | X | X | X | X | X | X |
| | SWMU 03-050(f) | Collect 26 samples from two depths (beneath any asphalt or concrete) from thirteen locations around building 03-0040. | 13 locations, 26 samples | 0–1, 2–3 (beneath asphalt or concrete) | Soil | X ^e | — | — | — | — | — | — | — | X ^d | — | X | X | X | X | X | X |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|-------------------|--------------------------------|--|---------------------------------|--|----------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| | SWMU 03-050(g) | Collect 32 samples from two depths (beneath any asphalt or concrete) from sixteen locations around building 03-0016. | 16 locations, 32 samples | 0-1, 2-3 (beneath asphalt or concrete) | Soil | — | — | — | — | — | — | — | — | X ^d | — | — | — | X | — | — | — |
| | AOC 03-051(a) | Collect six samples from the asphalt paving at six locations around the compressor shed. | 6 locations, 6 samples | Asphalt | Asphalt | — | — | — | — | — | — | — | — | X | X | — | — | — | — | — | — |
| | | Collect 12 samples from two depths beneath the asphalt paving at six locations around the compressor shed. | 6 locations, 12 samples | 0-1, 2-3 (beneath asphalt) | Soil | X | X | X | — | X | X | — | — | X | X | — | — | — | — | — | — |
| | AOC 03-051(b) | Collect 12 samples from two depths beneath concrete paving from six locations at and around the former compressor shed. | 6 locations, 12 samples | 0-1, 2-3 (beneath concrete) | Soil | — | — | — | — | — | — | — | — | X | X | — | — | — | — | — | — |
| | | Collect four eight samples from two depths from two-four four locations downgradient of the former compressor shed location, directly south of the concrete pad and the facility fence line <u>and at locations approximately 40 ft and 80 ft farther east along the fence line.</u> | 42 locations, 84 samples | 0-1, 2-3 | Soil | X | X | X | — | X | X | — | — | X | X | — | — | — | — | — | — |
| 03-052(a)-00 | Consolidated Unit 03-052(a)-00 | Collect 21 samples from two depths from seven locations within outfall area on mesa top. | 7 locations, 21 samples | 0-1, 2-3, 4-5 | Soil | X | X | X | — | X | X | — | — | X | X | — | — | — | — | — | — |
| | | Collect 16 samples from two depths from eight locations in the drainage downgradient of the outfall area. | 8 locations, 16 samples | 0-1, top 1 ft of unweathered tuff | Soil, tuff, sediment | X | X | X | — | X | X | — | — | X | X | — | — | — | — | — | — |
| 03-054(a)-00 | Consolidated Unit 03-054(a)-00 | Collect 10 samples from two depths beneath the drainlines from five locations along the drainlines between building 03-0016 and former buildings 03-0208, 03-0019 and the outfall. | 5 locations, 10 samples | 0-1, 2-3 (beneath drainlines) | Soil, tuff | X ^f | X | X | — | X | X | — | — | X | — | — | — | X | — | — | — |
| | | Collect 10 samples from two depths from five mesa-top locations at and downgradient of the outfall. | 5 locations, 10 samples | 0-1, 2-3 | Soil, sediment | X ^f | X | X | — | X | X | — | — | X | — | — | — | X | — | — | — |
| | | Collect 10 samples from two depths at five locations in the drainage down gradient of the site. | 5 locations, 10 samples | 0-1, top 1 ft of unweathered tuff | Soil, tuff, sediment | X ^f | X | X | — | X | X | — | — | X | — | — | — | X | — | — | — |
| | SWMU 03-055(a) | Collect four samples from two depths beneath the drainline from two locations along the drainline between building 03-0016 and the outfall. | 2 locations, 4 samples | 0-1, 2-3 | Soil, tuff | X | X | X | — | X | X | — | — | X ^d | — | — | — | X | — | — | — |
| | | Collect eight samples from two depths from four locations at and down gradient of the outfall. | 4 locations, 8 samples | 0-1, top 1 ft of unweathered tuff | Soil, tuff, sediment | X | X | X | — | X | X | — | — | X ^d | — | — | — | X | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 | |
|-------------------|----------------|---|---------------------------------|--|------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|---|
| TA-06 | | | | | | | | | | | | | | | | | | | | | | |
| | SWMU 06-001(a) | Remove septic tank and collect nine samples from three depths beneath inlet and outlet to tank and beneath bottom of tank. | 3 locations, 9 samples | 0-1, 2-3, 5-6 (below drainlines and tank bottom) | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | - | |
| | | Collect 142 samples from two depths beneath inlet and outlet drainlines. | 76 locations, 142 samples | 0-1, 3-4 (below drainlines) | Soil, tuff | X | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | - |
| | | Collect 18 samples from six locations at three depths at and downgradient of the outfall to define lateral extent. | 6 locations, 18 samples | 0-1, 2-3, 4-5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | - |
| | SWMU 06-001(b) | Remove septic tank and collect nine samples from three depths beneath inlet and outlet to tank and beneath bottom of tank. | 3 locations, 9 samples | 0-1, 2-3, 5-6 (below drainlines and tank bottom) | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | - | |
| | | Collect six samples from three locations at two depths beneath inlet drainline. | 3 locations, 6 samples | 0-1, 3-4 (below drainline) | Soil, tuff | X | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | - |
| | | Collect 12 samples from three depths in the filter trench area below the distribution box, below each perforated drainline, and below outlet drainline. | 4 locations, 12 samples | 0-1, 2-3, 4-5 (below distribution box and drainlines) | Soil, tuff | X | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | - |
| | | Collect 18 samples at three depths from six locations at and downgradient of the outfall to define lateral extent. These samples will also define lateral extent for other upstream SWMUs and AOCs. | 6 locations, 18 samples | 0-1, 2-3, 4-5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | - |
| 06-002-00 | SWMU 06-002 | Collect nine samples at three depths from three 1995 RFI locations 06-08001, 06-08002, and 06-08003 at and around former septic tank at deeper depths and with expanded analytical suite. | 3 locations, 9 samples | 0-1, 4-5, 8-9 | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | - | - | - | - | - | - | |
| | | Collect 18 samples at two depths beneath inlet drainlines from former buildings 06-0010 and 06-0020 and beneath outlet drainline. | 9 locations, 18 samples | 0-1, 3-4 (below drainlines) | Soil, tuff | X | X | X | X | X | X | X | X | - | X ^d | - | - | - | - | - | - | - |
| | | Collect six samples at three depths from 1998 RFI locations 06-08060 and 06-08061 at and below outfall at deeper depths and with expanded analytical suite. | 2 locations, 6 samples | 0-1, 4-5, 8-9 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | X | X | X | X | X | X | - | X ^d | - | - | - | - | - | - | - |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 | |
|-------------------|--|---|---------------------------------|--|-----------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|---|
| | SWMU 06-002 (cont.) | Collect six samples at three depths from two locations downgradient of 1998 RFI outfall sampling locations. | 2 location, 6 samples | 0–1, 4–5, 8–9 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | |
| 06-002-00 | AOC C-06-005 | Perform XRF survey within building footprint to identify areas of elevated lead contamination. Remove lead-contaminated soil and collected confirmation samples. | To be determined | 0–1, 2–3 (below excavation) | Soil, tuff | X | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| | | Collect nine samples at three depths from RFI locations 06-08010, 06-08011, and 06-08012 at deeper depths and with expanded analytical suite to define nature and extent. | 3 locations, 9 samples | 0–1, 4–5, 8–9 | Soil, tuff | X | X | X | X | X | X | X | X | X | X ^d | — | — | — | — | — | — | — |
| | | Collect 12 samples at three depths from four step-out locations around RFI locations. | 4 locations, 12 samples | 0–1, 4–5, 8–9 | Soil, tuff | X | X | X | X | X | X | X | X | X | X ^d | — | — | — | — | — | — | — |
| 06-003(a)-99 | SWMU 06-003(a) | Sample sediment and water in bowl and filter pit to characterize for removal and disposal requirements. | To be determined | To be determined | Sediment, water | X | — | — | — | X | X | X | — | X | — | X | — | — | X | X | — | |
| | | Angle drill beneath pad and collect samples beneath bowl and filter pit. | 1 location, 4 samples | Approximately 10 ft below bottom of shaft | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | X | X | — | X | X | X | |
| | | Collect nine samples at three depths from RFI locations 06-04004, 06-04005, and 06-04006 outside concrete bowl at deeper depths. | 3 locations, 9 samples | 0–1, 2–3, 4–5 | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | X | X | — | X | X | X | |
| | | Collect nine samples at three depths from three step-out locations outside concrete bowl. | 3 locations, 9 samples | 0–1, 2–3, 4–5 | Soil, tuff | X | X | X | X | X | X | X | — | X ^c | — | X | X | — | X | X | X | |
| | | Collect nine samples at three depths from the outfall from filter pit drainline and two downgradient locations. | 3 locations, 9 samples | 0–1, 2–3, 4–5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | X | X | — | X | X | X | |
| | AOC 06-008 | Collect three samples at three depths from one location of former tank. | 1 location, 3 samples | 0–1, 3–4, 6–7 (below backfill) | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | X | X | X | — | X | X | X | |
| | Collect nine samples at three depths from 3 step-out locations on the north, south and east sides of the tank. | 3 locations, 9 samples | 4–5, 7–8, 10–11 | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | X | X | X | — | X | X | X | | |
| | AOC C-06-019 | Collect nine samples at three depths from one location in footprint of former structure and two locations adjacent to footprint at 3 depths. | 3 locations, 9 samples | 0–1, 4–5, 8–9 | Soil, tuff | X | X | X | X | X | X | X | X | X ^d | X | X | X | — | X | X | X | |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|---|----------------------|---|--|-------------------------------------|------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| | AOC C-06-019 (cont.) | Collect three samples at three depths from one step-out location to define lateral extent. Samples from SWMU 06-003(a) and AOC 06-008 will also be used for lateral extent. | 1 locations, 3 samples | 0-1, 4-5, 8-9 | Soil, tuff | X | X | X | X | X | X | X | X | X ^d | X | X | X | - | X | X | X |
| | SWMU 06-003(d) | Collect 15 samples at three depths from one location within footprint of former building and at four step-out locations. | 5 locations, 15 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | - | - | - | - | - | - |
| | SWMU 06-003(e) | Collect 18 samples at three depths from two locations within footprint of former building and at four step-out locations to define nature and extent. | 6 locations, 18 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | - | - | - | - | - | - |
| | SWMU 06-003(f) | Collect 218 samples at three from RFI locations 06-04022, 06-04023, 06-04024, 06-04025, 06-04026, and 06-04027 <u>and one additional downgradient location</u> at deeper depths to define lateral and vertical extent. | 76 locations, 218 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | X | - | - | X | - | X |
| | SWMU 06-003(h) | Collect 21 samples at three depths from three locations within footprint of former firing site and at four step-out locations to define nature and extent. Sample locations within footprint to be based on XRF and HE field-screening results. | 7 locations, 21 samples | 0-1, 4-5, 8-9 | Soil, tuff | X | X | X | X | - | X | X | - | X ^d | - | X | - | - | X | - | X |
| | SWMU 06-006 | Collect 24 samples at three depths from eight locations below former storage pad. | 8 locations, 24 samples | 0-1, 2-3, 4-5 (below pad) | Soil, tuff | X | X | X | X | X | X | X | - | X | - | X | - | - | X | - | - |
| Collect eight samples from storage pad material from eight locations to characterize PCB contamination. | | 8 location, 8 samples | 0-0.5 | Asphalt, concrete | - | - | - | - | - | - | - | - | - | X | - | - | - | - | - | - | - |
| Collect 18 samples at three locations from six step-out locations around former storage pad. | | 6 locations, 18 samples | 0-1, 2-3, 4-5 | Soil, tuff | X | X | X | X | X | X | X | X | - | X | - | X | - | - | X | - | - |
| 06-007(a)-99 | SWMU 06-005 | Collect four samples at two depths from two locations within footprint of backfilled pit. | 2 locations, 4 samples | 0-1, 3-4 (below backfill) | Soil, tuff | X | X | X | X | - | X | X | - | X ^d | - | X | - | - | X | - | X |
| | | Collect 12 samples at three depths from four step-out locations. | 4 locations, 12 samples | 0-1, 4-5, 9-10 | Soil, tuff | X | X | X | X | - | X | X | - | X ^d | - | X | - | - | X | - | X |
| | SWMU 06-007(a) | Perform geophysical surveys to locate pits and excavate test pits to confirm locations. Install boreholes around boundary of disposal pits and sample to define nature and extent. | To be determined <u>[(estimated to be 8 locations (4 around each pit), 24 samples (3 from each location))]</u> | 0-1, 3-4, 6-7 (below bottom of pit) | Soil, tuff | X | X | X | X | - | X | X | - | X ^d | - | X | - | - | X | - | X |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|-------------------|----------------|---|--|--|------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| | SWMU 06-007(b) | Perform geophysical surveys to locate pit and shafts and excavate test pit to confirm location. Install boreholes around boundary of disposal pit and sample to define nature and extent. | To be determined (estimated to be 4 locations, 12 samples) | 0-1, 3-4, 6-7 (below bottom of pit) | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | SWMU 06-007(c) | Perform geophysical surveys to locate pit and excavate test pit to confirm location. Install <u>one boreholes adjacent to boundary of</u> disposal pit and sample to define nature and extent. | To be determined (estimated to be 1 location 3 samples) | 0-1, 3-4, 6-7 (below bottom of pit) | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | SWMU 06-007(d) | Perform geophysical surveys to locate pit and excavate test pit to confirm location. Install <u>one borehole adjacent to boundary of</u> disposal pit and sample to define nature and extent. | To be determined (estimated to be 1 location 3 samples) | 0-1, 3-4, 6-7 (below bottom of pit) | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | SWMU 06-007(e) | Perform geophysical surveys to locate pit and excavate test pit to confirm location. Install <u>one boreholes around adjacent to boundary of</u> disposal pit and sample to define nature and extent. | To be determined (estimated to be 1 location 3 samples) | 0-1, 3-4, 6-7 (below bottom of pit) | Soil, tuff | X | X | X | X | — | X | X | — | X ^c | — | X | — | — | X | — | X |
| | SWMU 06-007(f) | Collect nine samples at three depths from VCA locations 06-09911, 06-09912, and 06-09913 at deeper depth to determine vertical extent. | 3 locations, 9 samples | 0-1, 2-3, 4-5 into undisturbed soil/tuff | Soil, tuff | X | X | X | X | X | X | X | X | X ^d | — | X | — | — | X | — | X |
| | | Collect 12 samples at three depths from four step-out locations around site. | 4 locations, 12 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | X | X ^d | — | X | — | — | X | — | X |
| | SWMU 06-007(g) | Collect nine samples at three depths from RFI locations 06-05004, 06-05005, and 06-05006 at deeper depth. | 3 locations, 9 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | X | — | — | X | — | X |
| | | Collect nine samples at three depths from four step-out locations around site to define lateral extent. | 4 locations, 12 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | X | — | — | X | — | X |
| | AOC C-06-001 | Collect nine samples at three depths from RFI locations 06-08004, 06-08005, and 06-08006 at deeper depth and with expanded analytical suite. | 3 locations, 9 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | X | — | — | — | — | — |
| | | Collect six samples at three depths from two step-out locations around site to define lateral extent. | 2 locations, 6 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | X | — | — | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|-------------------|----------------|---|---------------------------------|--|------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| TA-07 | | | | | | | | | | | | | | | | | | | | | |
| 07-001(a)-99 | SWMU 07-001(a) | Conduct UXO survey around site to locate unexploded detonators or scrap. Collect 18 samples at three depths from RFI locations 07-04041, 07-04042, 07-04043, 07-04044, 07-04045, and 07-04046 at deeper depths and with expanded analytical suite to determine nature and vertical extent. | 6 locations, 18 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | SWMU 07-001(b) | Conduct UXO survey around site to locate unexploded detonators or scrap. Collect 18 samples at three depths from RFI locations 07-04047, 07-04048, 07-04049, 07-04050, 07-04051, and 07-04052 at deeper depths and with expanded analytical suite to determine nature and vertical extent. | 6 locations, 18 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | SWMU 07-001(c) | Collect nine samples at three depths from RFI locations 07-04053, 07-04054, and 07-04055 at deeper depths and with expanded analytical suite to determine nature and vertical extent. | 3 locations, 9 samples | 0-1, 2-3, 4-5 | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | | Collect nine samples at three depths from three locations downgradient of site to determine lateral extent. | 3 locations, 9 samples | 0-1, 2-3, 4-5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | SWMU 07-001(d) | Collected 18 samples at three depths from RFI locations 07-04062, 07-04063, 07-04064, 07-04065, 07-04066, and 07-04067 at deeper depths and with expanded analytical suite to determine nature and vertical extent. | 6 locations, 18 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| | | Collect three samples at one downgradient step-out location to determine lateral extent. | 1 location, 3 samples | 0-1, 3-4, 6-7 | Soil, tuff | X | X | X | X | — | X | X | — | X ^d | — | X | — | — | X | — | X |
| TA-22 | | | | | | | | | | | | | | | | | | | | | |
| | SWMU 22-010(a) | Collect 12 samples at two depths from six locations: <ul style="list-style-type: none"> one location beneath the drainline where it exits building 22-0034; one location beneath the drainline at the midpoint between the building and septic tank; two locations, one beneath the inlet and one beneath the outlet to the septic tank; one location beneath the septic tank; and one location beneath manhole riser. | 6 locations, 12 samples | 0-1, 3-4 below drainlines, septic tank and manhole riser | Soil, tuff | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 | | |
|-------------------|------------------------|---|---------------------------------|--|----------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|---|---|
| | SWMU 22-010(a) (cont.) | Collect eight samples at two depths from four locations in the drain field area. One location beneath each perforated drainline in the drain field area (three total locations) and one location beneath the point of discharge from the drain field area. | 4 locations, 8 samples | 0–1, 3–4 below drainfield drainlines | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — | |
| | | Collect 3 samples at three depths from one location at the outfall from the drain field. | 1 location, 3 samples | 0–1, 2–3, 4–5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — |
| | SWMU 22-014(a) | Collect 18 samples at two depths from nine locations: <ul style="list-style-type: none"> two locations, beneath the drainline one at each point where the drainline exits building 22-0093; two locations adjacent to the sump; two locations, one adjacent and below each, the sump inlet and outlet; two locations beneath the sump drainline between the sump and seepage pit; and, one location beneath the seepage pit inlet. | 9 locations, 18 samples | 0–1, 3–4 below drainlines, adjacent and below level of sump | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — | |
| | | Collect five samples from advancing one borehole adjacent and downgradient of the seepage pit. | 1 location, 7 samples | 10 ft intervals to 30 ft below bottom of pit <u>to a total depth of 70 ft bgs</u> | Soil, tuff | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — |
| | | Collect nine samples at three depths from three locations downgradient of the seepage pit. | 3 locations, 9 samples | 0–1, 2–3, and 4-5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff, sediment | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — |
| | | Collect 18 samples at three depths from six locations in the drainage area from 1996 RFI location IDs 40-03056, 40-0357, 40-03058, 40-03059, 40-03060, and 40-03061. | 6 locations, 18 samples | 0–1, 2–3, 5–6 | Soil, tuff | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 | |
|-------------------|----------------|--|---|--|----------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|---|
| | SWMU 22-014(b) | Collect 12 samples at two depths from six locations: <ul style="list-style-type: none"> one location beneath the drainline at building 22-0034; one location beneath the sump; two locations, one location beneath each, the sump inlet and outlet; and, two locations beneath the sump drainline between the sump and outfall. | 6 locations, 12 samples | 0–1, 3–4 ft below sump and drainlines | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | |
| | | Collect 18 samples at three depths from six locations: one location at the outfall and five locations downgradient of the outfall to the toe of the hillslope. | 6 locations, 18 samples | 0–1, 2–3, 4–5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff, sediment | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Collect nine samples at three depths from three locations in the drainage downgradient of the outfall. | 3 locations, 9 samples | 0–1, 2–3 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff, sediment | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | SWMU 22-015(a) | Collect 140 samples at two depths from five-seven locations: <ul style="list-style-type: none"> two locations, one at each point where the drainline exits building 22-0091 beneath the drainline; two locations, one at each 90 degree turn in the drainline; one location at the drainline junction; one location along the drainline; and, one location beneath seepage pit inlet. | 57 locations, 140 samples | 0–1, 3–4 beneath drainlines | Soil, tuff | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | — | |
| | | Collect four samples at two depths from two locations beneath the drainline connecting the seepage pits. One location at the outlet of seepage pit A and one location at the inlet of seepage pit B. | 2 locations, 4 samples | 0–1, 2–3 | Soil, tuff | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Collect 18 samples at three depths from six locations downgradient of the seepage pits. | 6 locations, 18 samples | 0–1, 2–3, 4–5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff, sediment | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|-------------------|----------------|---|---|---|----------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|
| | | Advance two boreholes, one next to and downgradient of each seepage pit. | 2 locations, 11 samples | 10 ft intervals to 30 ft below bottom of pit | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | SWMU 22-015(b) | Collect 10 samples at two depths from five locations: <ul style="list-style-type: none"> one location beneath the drainline where it exits building 22-0025; one location beneath the sump; two locations, one beneath each, the sump inlet and outlet; and one location along the drainline at the midpoint between the sump and the outfall. | 8 locations, 16 samples | 0–1, 3–4 below sump and drainlines | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Collect three samples at three depths from one location at 1997 RFI sample ID 22-03024. | 1 location, 3 samples | 0–1, 3–4, 8–9 | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Collect 24 samples at three depths from eight locations downgradient of the outfall to the toe of the slope. Two sample locations will be collected at 1997 RFI sample location ID 22-06066 (at the outfall) and 22-06068 (downgradient of the outfall). | 8 locations, 24 samples | 0–1, 2–3, 4–5 or from the top 1 ft of unweathered tuff, whichever is shallower. | Soil, tuff, sediment | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| TA-40 | | | | | | | | | | | | | | | | | | | | | |
| | SWMU 40-001(b) | Collect 160 samples at two depths from five-eight locations: <ul style="list-style-type: none"> one location where drainline exits building 40-0023; two two locations, one location where each of two drainlines exits building 40-0001; two locations, one location where each of two drainlines exiting building 40-001 ties into the east-west drainline; one one location at the junction where the drainline from former building 40-0019 joins the drainline from building 40-001; one location where the drainline exited former building 40-0019; and, one location east of Twomile Mesa Road. | 85 locations, 160 samples | 0–1, 3–4 below the drainlines, septic tank, and distribution box. | Soil, tuff | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 | |
|-------------------|------------------------|--|---------------------------------|--|----------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|---|
| | | Collect 12 samples at two depths from six locations: <ul style="list-style-type: none"> two locations, one adjacent and below the inlet and outlet of the cleanout; one location adjacent and below the septic tank; two locations, one adjacent and below the septic tank inlet and outlet; and, one location beneath the distribution box. | 6 locations, 12 samples | 0–1, 3–4 below the cleanout and septic tank drainlines, septic tank, and distribution box. | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | |
| | SWMU 40-001(b) (cont.) | Collect eight samples at two depths from four locations: one at the inlet and outlet of both seepage pits. | 4 locations, 8 samples | 0–1, 3–4 below drainlines | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | |
| | | Advance two boreholes, one adjacent and downgradient of each seepage pit. Borehole samples will be collected at ten-foot intervals to a depth of 30 ft below the bottom of each seepage pit. Note: Depths of pits is unknown. | 2 locations | 10 ft intervals to 30 ft below each pit | Soil, tuff, sediment | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Collect six samples at two depths from three locations, one beneath each perforated drainline in the drain field. | 3 locations, 6 samples | 0–1, 3–4 below the perforated drainlines | Soil, tuff | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Collect 12 samples at three depths from four locations downgradient of the drain field. | 4 locations, 12 samples | 0–1, 2–3, 4–5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff, sediment | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | SWMU 40-005 | Collect nine samples from three depths below the drainlines: one location where the drainline exits building 40-0041; and, two locations, one below the sump inlet and one below the sump outlet. | 3 locations, 9 samples | 0–1, 4–5, 8–9 ft below the drainlines | Soil, tuff | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | |
| | | Collect 12 samples at three depths from four RFI locations (sample IDs 40-3048, 40-3049, 40-3050) surrounding the sump. | 4 locations, 12 samples | 0–1, 4–5, 8–9 bgs | Soil, tuff | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Sample along drainline. Sampling will define extent in area. | 1 location, 2 samples | 0–1, 3–4 ft below drainline | Soil, tuff | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |
| | | Collect 12 samples at two depths from six locations in the outfall area and downgradient. One sample location will be at the outfall and five sample locations downgradient to the toe of the slope. | 6 locations, 12 samples | 0–1, 2–3 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff, sediment | X | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 |
|-------------------|-------------------|---|---------------------------------|---------------------------------------|-------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|----------|---------------------------------|--------------------------|--------------|
| | AOC 40-007(e) | Collect eight samples at two depths from four locations, one location on each side of building 40-0041, 8 ft from the building; the sample collected on the east side of the building will be beneath the asphalt. | 4 locations, 8 samples | 0-1, 2-3 | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | - | - | - | - | - | - |
| TA-50 | | | | | | | | | | | | | | | | | | | | | |
| | AOC C-50-001 | Collect 16 samples from the asphalt and from two depths beneath the asphalt from eight locations around the transformer pad. | 8 locations, 16 samples | 0-1, 2-3 (beneath asphalt) | Soil | - | - | - | - | - | - | - | - | X | - | - | - | - | - | - | - |
| TA-59 | | | | | | | | | | | | | | | | | | | | | |
| | <u>AOC 59-004</u> | <u>Collect 8 samples at two depths from four locations:</u> <ul style="list-style-type: none"> • <u>Two sample locations, one where the drainline exits building 59-0001 and one where the drainline exits structurebuilding 59-0010.</u> • <u>One sample location where the drainline from building 59-0001 makes a 45 degree turn; and,</u> • <u>One sample location west of building 59-0117 along the drainline from structurebuilding 59-0010.</u> | <u>4 locations, 8 samples</u> | <u>0-1, 3-4 ft below drainline</u> | <u>Soil, tuff</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>=</u> | <u>X^d</u> | <u>=</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |
| | | Collect 12 samples at two depths from six locations. One sample location at the outfall and five locations downgradient of the outfall to the toe of the slope. <u>The first sample location downgradient of the outfall will be collected from within the remaining portion of the rock-lined drainage channel.</u> | 6 locations, 12 samples | 0-1, the top 1-ft of unweathered tuff | Soil, tuff | X | X | X | X | X | X | X | - | X ^d | - | X | X | X | X | X | X |
| | AOC C-59-001 | Delay – no sampling. | n/a | n/a | n/a | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Table 4.0-1 (continued)

| Consolidated Unit | Site | Sampling Justification | Number of Locations and Samples | Depth (ft) | Media | TAL Metals (EPA SW-846:6010B/6020) | Cyanide (EPA SW-846:9012A) | Nitrate (EPA 300) | Perchlorate (EPA SW-846:6850) | VOCs (EPA SW-846:8260B) | SVOCs (EPA SW-846:8270C) | Explosive Compounds (EPA SW-846:8321A_MOD) | Dioxins/Furans (EPA SW-846:8280) | PCBs (EPA SW-846:8082) | TRPH (EPA SW-846 8440) | Isotopic Uranium, (HASL-300) | Isotopic Plutonium (HASL 300) | Tritium | Gamma Spectroscopy (EPA 901.1M) | Americium-241 (HASL-300) | Strontium-90 | |
|-------------------|-------------|---|---------------------------------|--|----------------------|------------------------------------|----------------------------|-------------------|-------------------------------|-------------------------|--------------------------|--|----------------------------------|------------------------|------------------------|------------------------------|-------------------------------|---------|---------------------------------|--------------------------|--------------|---|
| TA-69 | | | | | | | | | | | | | | | | | | | | | | |
| | SWMU 69-001 | Collect four concrete chip samples from four locations on concrete slab foundation of former building 69-0003. | 4 locations, 4 samples | Surface | Concrete chips | X | X | X | X | X | X | X | — | X ^d | — | — | — | — | — | — | — | |
| | | Collect six samples at three depths from two locations between the east side of the concrete foundation of former building 69-0003 and the west side of Jumbino Road. | 2 locations, 6 samples | 0–1, 3–4, 4–5 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff | X | X | — | — | X | X | — | — | — | X | — | — | — | — | — | — | |
| | | Collect 26 samples at two depths from 13 locations on the east side of Jumbino Road. Five sampling locations in the drainage of VCA excavated area; six sample locations, three along east and three along the west side of VCA excavation area; and, two sample locations in the drainage downgradient of the VCA excavation area. | 13 locations, 26 samples | 0–1, 2–3 or from the top 1 ft of unweathered tuff, whichever is shallower | Soil, tuff, sediment | X | X | — | — | X | X | — | — | — | X | — | — | — | — | — | — | — |
| | | Collect eight samples from four sediment pockets on canyon slope downgradient of the VCA area to the toe of the slope. | 4 locations, 8 samples | 0–1, top 1 ft of unweathered tuff | Soil, tuff, sediment | X | X | — | — | X | X | — | — | — | X | — | — | — | — | — | — | — |

^a n/a = Not applicable.
^b X = Analysis proposed.
^c — = Analysis will not be performed.
^d 20% of samples collected will be analyzed for PCBs.
^e Samples analyzed for beryllium only.
^f Samples analyzed for hexavalent chromium.

**Table 4.1-3
Organic Chemicals Detected at TA-03**

| Sample ID | Location ID | Depth (ft) | Media | Acenaphthene | Acenaphthylene | Anthracene | Aroclor 1260 | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Benzoic Acid | Bis(2-ethylhexyl)phthalate | Butylbenzylphthalate | Chrysene | Di-n-octylphthalate | Dibenz(a,h)anthracene |
|---------------------------------------|-------------|------------|-------|--------------|----------------|------------|-----------------|--------------------|----------------|----------------------|----------------------|----------------------|----------------|----------------------------|----------------------|----------|---------------------|-----------------------|
| Consolidated Unit 03-052(a)-00 | | | | | | | | | | | | | | | | | | |
| RE03-02-45102 | 03-02-19564 | 0.0–0.17 | Soil | 17 | 0.72 (J) | 17 | NA ^a | 38 | 42 (J) | 51 (J) | 8.3 (J) | 40 (J) | — ^b | 1.1 (J) | — | 46 | — | 3.9 |
| RE03-02-45093 | 03-02-19564 | 0.58–0.75 | Soil | 49 | 1.5 (J) | 61 | NA | 110 | 110 | 74 | 29 | 56 | — | — | — | 120 | — | 17 |
| RE03-02-45103 | 03-02-19565 | 0.0–0.17 | Soil | 30 | 1.4 (J) | 37 | NA | 100 | 110 | 110 | 25 (J) | 100 | — | 2.4 (J) | — | 130 | 10 (J) | 15 |
| RE03-02-45094 | 03-02-19565 | 0.42–0.58 | Soil | 45 | 3 (J) | 52 | NA | 170 | 190 | 160 | 39 (J) | 150 | 0.98 (J) | 4.7 | — | 220 | — | 21 |
| RE03-02-45104 | 03-02-19566 | 0.0–0.17 | Soil | 79 | 4.3 | 81 | NA | 220 | 260 | 240 | 57 (J) | 190 | 1.3 (J) | — | — | 280 | — | 31 |
| RE03-02-45095 | 03-02-19566 | 0.83–1.08 | Soil | 24 | — | 31 | NA | 50 | 49 | 52 | 23 | 26 | — | — | — | 57 | — | 12 |
| RE03-02-45105 | 03-02-19567 | 0.0–0.17 | Soil | 23 | 1.3 (J) | 23 | NA | 57 | 65 (J) | 66 | 14 (J) | 54 | — | — | — | 79 | 7.8 (J) | 6 |
| RE03-02-45096 | 03-02-19567 | 1.0–1.17 | Soil | 52 | 3 (J) | 60 | NA | 190 | 200 | 170 | 41 (J) | 140 | 1.2 (J) | — | 5.8 | 240 | — | 24 |
| RE03-02-45106 | 03-02-19568 | 0.0–0.17 | Soil | 13 | 0.88 (J) | 15 | NA | 45 | 52 (J) | 63 | 11 (J) | 50 (J) | — | — | — | 56 | — | 3.2 (J) |
| RE03-02-45097 | 03-02-19568 | 0.83–1.0 | Soil | 3.5 (J) | — | 4.1 | NA | 12 | 14 (J) | 15 (J) | 3.7 (J) | 15 (J) | — | — | — | 15 | — | 1.5 (J) |
| RE03-02-45107 | 03-02-19569 | 0.0–0.17 | Soil | 4.5 | — | 5.6 | NA | 14 | 17 | 19 | 2.7 (J) | 20 | — | — | — | 18 | — | 1.1 (J) |
| RE03-02-45098 | 03-02-19569 | 0.67–0.83 | Soil | — | — | — | NA | 1.7 (J) | 2.1 (J) | 2.1 (J) | — | 2.3 (J) | — | — | — | 2.3 (J) | — | — |
| RE03-02-45108 | 03-02-19570 | 0.0–0.17 | Soil | 19 | 1.1 (J) | 23 | NA | 58 | 70 | 63 | 15 (J) | 59 | — | — | — | 79 | — | 6.4 |
| RE03-02-45099 | 03-02-19570 | 0.17–0.33 | Soil | 6.1 | — | 8.8 | NA | 26 | 30 (J) | 31 (J) | 7.9 (J) | 30 (J) | — | — | — | 31 | — | 4.2 |
| RE03-02-45109 | 03-02-19571 | 0.0–0.17 | Soil | 6.1 | — | 6.4 | NA | 18 | 22 | 25 | 5.2 | 19 | — | — | — | 24 | — | 1.9 (J) |
| RE03-02-45100 | 03-02-19571 | 1.5–1.7 | Soil | 24 | — | 30 | NA | 52 | 55 (J) | 61 (J) | 14 (J) | 47 (J) | — | — | 0.97 (J) | 61 | — | 7.9 |
| RE03-02-45110 | 03-02-19572 | 0.0–0.17 | Soil | 10 | — | 13 | NA | 35 | 42 | 58 | 6.4 | 36 | — | — | — | 48 | — | — |
| RE03-02-45101 | 03-02-19572 | 0.67–0.83 | Soil | 14 | — | 18 | NA | 42 | 49 (J) | 64 (J) | 10 (J) | 48 (J) | — | 1.2 (J) | — | 53 | — | 5.8 |

Table 4.1-3 (continued)

| Sample ID | Location ID | Depth (ft) | Media | Dibenzofuran | Dimethylphenol[2,4-] | Ethylbenzene | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Methylnaphthalene[2-] | Methylphenol[4-] | Naphthalene | Phenanthrene | Pyrene | TPH-DRD | Trichloroethane[1,1,1-] | Trichloroethene | Xylene (Total) |
|---------------------------------------|-------------|------------|-------|--------------|----------------------|--------------|--------------|----------|------------------------|-----------------------|------------------|-------------|--------------|--------|---------|-------------------------|-----------------|----------------|
| Consolidated Unit 03-052(a)-00 | | | | | | | | | | | | | | | | | | |
| RE03-02-45102 | 03-02-19564 | 0.0–0.17 | Soil | 8.5 | — | NA | 120 | 15 | 12 (J) | 6 | — | 18 | 110 | 98 | 580 | NA | NA | NA |
| RE03-02-45093 | 03-02-19564 | 0.58–0.75 | Soil | 24 | 1 (J) | NA | 300 | 42 | 38 | 17 | 1.9 (J) | 50 | 300 | 250 | 2800 | NA | NA | NA |
| RE03-02-45103 | 03-02-19565 | 0.0–0.17 | Soil | 11 | — | NA | 250 | 21 | 34 (J) | 4.5 (J) | — | 8.3 | 190 | 190 | 1800 | NA | NA | NA |
| RE03-02-45094 | 03-02-19565 | 0.42–0.58 | Soil | 15 | — | NA | 430 | 32 | 54 (J) | 11 | — | 23 | 330 | 390 | 5600 | NA | NA | NA |
| RE03-02-45104 | 03-02-19566 | 0.0–0.17 | Soil | 24 | 1.1 (J) | NA | 560 | 49 | 130 | 20 | 1.3 (J) | 46 | 420 | 470 | 3500 | NA | NA | NA |
| RE03-02-45095 | 03-02-19566 | 0.83–1.08 | Soil | 13 | — | — | 150 | 22 | 29 | 7.3 | — | 21 | 150 | 110 | 2300 | 0.0048 (J) | 0.00077 (J) | — |
| RE03-02-45105 | 03-02-19567 | 0.0–0.17 | Soil | 10 | — | NA | 150 | 19 | 18 (J) | 6.3 | — | 13 | 130 | 130 | 2000 | NA | NA | NA |
| RE03-02-45096 | 03-02-19567 | 1.0–1.17 | Soil | 17 | — | NA | 440 | 35 | 56 (J) | 12 | — | 24 | 340 | 400 | 2300 | NA | NA | NA |
| RE03-02-45106 | 03-02-19568 | 0.0–0.17 | Soil | 4.5 | — | NA | 110 | 9.7 | 14 (J) | 3.1 (J) | — | 7.4 | 79 | 90 | 340 | NA | NA | NA |
| RE03-02-45097 | 03-02-19568 | 0.83–1.0 | Soil | 1.1 (J) | — | NA | 35 | 2.4 (J) | 4.8 (J) | 0.92 (J) | — | 2.2 (J) | 22 | 27 | 460 | NA | NA | NA |
| RE03-02-45107 | 03-02-19569 | 0.0–0.17 | Soil | 1.6 (J) | — | NA | 38 | 3.3 (J) | 4 (J) | 0.89 (J) | — | 2.2 (J) | 27 | 27 | — | NA | NA | NA |
| RE03-02-45098 | 03-02-19569 | 0.67–0.83 | Soil | — | — | 0.00096 (J) | 5.2 | — | — | — | — | — | 2.9 (J) | 4 | — | — | — | 0.002 (J) |
| RE03-02-45108 | 03-02-19570 | 0.0–0.17 | Soil | 7.5 | — | NA | 160 | 15 | 20 (J) | 3.5 (J) | — | 7.4 | 120 | 120 | 810 | NA | NA | NA |
| RE03-02-45099 | 03-02-19570 | 0.17–0.33 | Soil | 2.1 (J) | — | NA | 62 | 4.7 | 11 (J) | 1 (J) | — | 2.4 (J) | 43 | 60 | 620 | NA | NA | NA |
| RE03-02-45109 | 03-02-19571 | 0.0–0.17 | Soil | 2.2 (J) | — | NA | 46 | 4.4 | 7.4 | 1.5 (J) | — | 3.9 | 34 | 35 | — | NA | NA | NA |
| RE03-02-45100 | 03-02-19571 | 1.5–1.7 | Soil | 12 | — | NA | 140 | 20 | 19 (J) | 7.4 | — | 23 | 140 | 110 | 1600 | NA | NA | NA |
| RE03-02-45110 | 03-02-19572 | 0.0–0.17 | Soil | 3.8 (J) | — | NA | 89 | 7.6 | 9.7 | 2.4 (J) | — | 6.2 | 69 | 83 | 740 | NA | NA | NA |
| RE03-02-45101 | 03-02-19572 | 0.67–0.83 | Soil | 5.5 | — | — | 120 | 11 | 14 (J) | 2.9 (J) | — | 7.6 | 98 | 100 | 2000 | — | — | — |

Notes: Units are mg/kg. Data qualifiers are defined in Appendix A.

^a NA = Not analyzed.^b — = Result was not detected.

**Table 4.2-2
Inorganic Chemicals Detected above BVs at TA-06**

| Sample ID | Location ID | Depth (ft) | Media | Aluminum | Antimony | Barium | Beryllium | Cadmium | Calcium | Chromium | Cobalt | Copper | Iron | Lead | Manganese | Mercury | Nickel | Silver | Sodium | Thallium | Vanadium | Zinc |
|-----------------------------------|-------------|------------|-------|----------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|------------|------------|-------------|----------|-------------|-------------|-------------|-------------|
| Soil/Fill BV^a | | | | 29200 | 0.83 | 295 | 1.83 | 0.4 | 6120 | 19.3 | 8.64 | 14.7 | 21500 | 22.3 | 671 | 0.1 | 15.4 | 1 | 915 | 0.73 | 39.6 | 48.8 |
| Qbt 2, 3, 4 BV^a | | | | 7340 | 0.5 | 46 | 1.21 | 1.63 | 2200 | 7.14 | 3.14 | 4.66 | 14500 | 11.2 | 482 | 0.1 | 6.58 | 1 | 2770 | 1.1 | 17 | 63.5 |
| SWMU 06-002 | | | | | | | | | | | | | | | | | | | | | | |
| 0506-95-1200 | 06-08001 | 0.0–0.5 | Soil | — ^b | — | — | — | 1.2 | — | — | 23.3 | — | — | — | 4030 | — | — | — | — | — | — | — |
| 0506-95-1202 | 06-08001 | 2.83–3.17 | Soil | — | — | — | — | 1.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1203 | 06-08002 | 0.0–0.5 | Soil | — | — | — | — | 0.5 (J) | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1204 | 06-08002 | 2.58–3.17 | Soil | — | — | — | — | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1205 | 06-08003 | 0.0–0.5 | Soil | — | — | — | — | 0.81 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1206 | 06-08003 | 3.0–3.33 | Soil | — | — | 511 | — | 1.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| RE06-98-0001 | 06-08003 | 5.17–5.67 | Soil | — | — | — | — | — | — | — | — | — | — | — | — | NA | — | — | — | 0.8 (J) | — | — |
| RE06-98-0004 | 06-08060 | 4.25–4.5 | Soil | — | — | — | — | — | — | — | — | — | — | — | 718 | — | — | — | — | 1.1 | — | — |
| RE06-98-0007 | 06-08061 | 4.25–4.5 | Soil | — | — | 318 | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.3 | — | — |
| SWMU 06-003(a) | | | | | | | | | | | | | | | | | | | | | | |
| 0506-97-0001 | 06-04001 | 0.0–0.33 | Soil | — | 28.4 (U) | — | 2.27 (U) | 2.84 (U) | 21400 | — | — | 43.3 | — | 44.8 | — | 0.24 (U) | — | 2.84 (U) | 1570 (J) | 1.14 (U) | 40.8 | 112 |
| AOC C-06-001 | | | | | | | | | | | | | | | | | | | | | | |
| 0506-95-1207 | 06-08004 | 0.0–0.5 | Soil | — | — | — | — | 0.87 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1209 | 06-08005 | 0.0–0.5 | Soil | — | — | — | — | 1.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| RE06-98-0032 | 06-08005 | 0.0–0.5 | Soil | NA | — | NA | NA | 1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 0506-95-1210 | 06-08005 | 3.83–4.33 | Soil | — | — | — | — | 0.45 (J) | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1211 | 06-08006 | 0.0–0.5 | Soil | — | — | — | — | 1.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1212 | 06-08006 | 0.83–1.25 | Soil | — | — | — | — | 0.66 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| AOC C-06-005 | | | | | | | | | | | | | | | | | | | | | | |
| 0506-95-1219 | 06-08010 | 0.0–0.5 | Soil | — | — | — | — | 0.9 | — | — | 9.2 | — | — | 23.8 (J+) | — | — | — | — | — | — | — | — |
| 0506-95-1220 | 06-08010 | 3.0–3.33 | Soil | — | — | — | — | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 0506-95-1221 | 06-08011 | 0.0–0.5 | Soil | — | — | 349 | — | 1.1 | — | 50.8 | — | 206 | — | 786 (J+) | — | — | 17.8 | — | — | — | — | 1260 |
| 0506-95-1222 | 06-08011 | 3.0–3.33 | Soil | 43000 | — | 498 | — | 1.7 | — | — | 16 | — | 24400 | 39.4 (J+) | 1080 | — | 19.6 | — | — | — | — | — |
| 0506-95-1223 | 06-08012 | 0.0–0.5 | Soil | — | — | — | — | 1.1 | — | 20.9 | — | 16.8 | — | 84.7 (J+) | — | — | — | — | — | — | — | 191 |
| 0506-95-1225 | 06-08012 | 2.67–3.17 | Soil | 41800 | — | 469 | — | — | — | — | — | — | — | — | — | — | 15.5 | — | — | — | — | — |

Notes: Units are mg/kg. Data qualifiers are defined in Appendix A.

^a BVs from LANL 1998, 059730.^b — = Result was not detected or was below the BV.

