

TABLES

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**TABLE 1A
GROUNDWATER ELEVATIONS - FEBRUARY 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|---------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|------------------------------------|
| DM-1 | A | 2/5/2019 | 4,968.55 | 6.50 | 4,962.05 | |
| DM-2R | A | 2/5/2019 | 4,978.57 | 20.30 | 4,958.27 | |
| DM-3R | A | 2/5/2019 | 4,977.04 | 14.27 | 4,962.77 | |
| LDI-1A | A | 2/5/2019 | 4,992.34 | 19.25 | 4,973.09 | |
| LDI-1B | B | 2/5/2019 | 4,992.28 | 20.89 | 4,971.39 | |
| LDI-2A | A | 2/5/2019 | 4,988.73 | 18.97 | 4,969.76 | |
| LDI-3A | A | 2/5/2019 | 4,989.74 | 20.10 | 4,969.64 | |
| LDI-3B | B | 2/5/2019 | 4,989.73 | 19.99 | 4,969.74 | |
| LDI-4A | A | 2/5/2019 | 4,990.68 | 20.67 | 4,970.01 | |
| LDI-4B | B | 2/5/2019 | 4,990.64 | 20.95 | 4,969.69 | |
| MW-01 | A | 2/5/2019 | 4,976.35 | 9.49 | 4,966.86 | |
| MW-1A | A | 2/5/2019 | 4,977.36 | 9.12 | 4,968.24 | |
| MW-07 | A | 2/5/2019 | 4,973.68 | 7.90 | 4,965.78 | |
| MW-12 | A | 2/5/2019 | 4,989.73 | 21.05 | 4,968.68 | |
| MW-13 | A | 2/5/2019 | 4,985.49 | 16.60 | 4,968.89 | |
| MW-14 | A | 2/5/2019 | 4,986.48 | 15.85 | 4,970.63 | |
| MW-15 | A | 2/5/2019 | 4,981.97 | 15.35 | 4,966.62 | |
| MW-17 | A | 2/5/2019 | 4,968.15 | 5.05 | 4,963.10 | |
| MW-19 | A | 2/5/2019 | 4,968.93 | 6.42 | 4,962.51 | |
| MW-20 | A | 2/5/2019 | 4,972.09 | 8.65 | 4,963.44 | |
| MW-21 | A | 2/5/2019 | 4,978.86 | 7.70 | 4,971.16 | |
| MW-22R | A | 2/5/2019 | 4,979.87 | 10.78 | 4,969.09 | |
| MW-23 | A | 2/5/2019 | 4,985.82 | 17.30 | 4,968.52 | |
| MW-25 | A | 2/5/2019 | 4,969.19 | 6.40 | 4,962.79 | |
| MW-26 | A | 2/5/2019 | 4,975.67 | 0.62 | 4,975.05 | |
| MW-27R | A | 2/5/2019 | 4,981.57 | 9.52 | 4,972.05 | |
| MW-28R | A | 2/5/2019 | 4,988.40 | 23.88 | 4,964.52 | |
| MW-29 | A | 2/5/2019 | 4,989.65 | 19.90 | 4,969.75 | |
| MW-30 | A | 2/5/2019 | 4,989.52 | 19.65 | 4,969.87 | |
| MW-31 | A | 2/5/2019 | 4,976.74 | 6.67 | 4,970.07 | |
| MW-32 | A | 2/5/2019 | 4,972.22 | 9.11 | 4,963.11 | |
| MW-101A | A | 2/5/2019 | 4,984.36 | 16.59 | 4,967.77 | |
| MW-101B | B | 2/5/2019 | 4,984.91 | 16.55 | 4,968.36 | |
| MW-102A | A | 2/5/2019 | 4,988.38 | 19.45 | 4,968.93 | |
| MW-102B | B | 2/5/2019 | 4,988.27 | 19.50 | 4,968.77 | |
| MW-102C | C | 2/5/2019 | 4,988.64 | 19.57 | 4,969.07 | |
| MW-103A | A | 2/5/2019 | 4,995.56 | 19.49 | 4,976.07 | |
| MW-104A | A | 2/5/2019 | 4,978.99 | 24.55 | 4,954.44 | |
| MW-104B | B | 2/5/2019 | 4,979.05 | 27.20 | 4,951.85 | |
| MW-104C | C | 2/5/2019 | 4,979.21 | 27.75 | 4,951.46 | |
| MW-105A | A | 2/5/2019 | 4,996.36 | 25.25 | 4,971.11 | |
| MW-105B | B | 2/5/2019 | 4,993.35 | 22.55 | 4,970.80 | |
| MW-105C | C | 2/5/2019 | 4,993.88 | 23.22 | 4,970.66 | |
| MW-106A | A | 2/5/2019 | 4,987.44 | NM | NM | Unable to measure. In locked area. |
| MW-107A | A | 2/5/2019 | 4,990.76 | 19.14 | 4,971.62 | |
| MW-108A | A | 2/5/2019 | 4,984.91 | 15.75 | 4,969.16 | |
| MW-108B | B | 2/5/2019 | 4,984.24 | 15.50 | 4,968.74 | |
| MW-108C | C | 2/5/2019 | 4,984.77 | 16.29 | 4,968.48 | |
| MW-109A | A | 2/5/2019 | 4,990.05 | 20.90 | 4,969.15 | |
| MW-109B | B | 2/5/2019 | 4,990.01 | 21.31 | 4,968.70 | |
| MW-109C | C | 2/5/2019 | 4,990.13 | 21.00 | 4,969.13 | |
| MW-110A | A | 2/5/2019 | 4,979.08 | 26.60 | 4,952.48 | |
| MW-110B | B | 2/5/2019 | 4,979.39 | 26.75 | 4,952.64 | |
| MW-110C | C | 2/5/2019 | 4,978.93 | 26.58 | 4,952.35 | |
| MW-111A | A | 2/5/2019 | 4,981.96 | 30.30 | 4,951.66 | |
| MW-111B | B | 2/5/2019 | 4,981.96 | 30.40 | 4,951.56 | |
| MW-111C | C | 2/5/2019 | 4,982.04 | 31.10 | 4,950.94 | |
| MW-112A | A | 2/5/2019 | 4,990.46 | 39.90 | 4,950.56 | |
| MW-112B | B | 2/5/2019 | 4,990.72 | 42.35 | 4,948.37 | |
| MW-113A | A | 2/5/2019 | 4,996.36 | 27.40 | 4,968.96 | |
| MW-114A | A | 2/5/2019 | 4,993.65 | 19.00 | 4,974.65 | |
| MW-114B | B | 2/5/2019 | 4,993.77 | 18.95 | 4,974.82 | |
| MW-115A | A | 2/5/2019 | 4,987.87 | 15.70 | 4,972.17 | |
| MW-116A | A | 2/5/2019 | 4,981.72 | 26.20 | 4,955.52 | |
| MW-116C | C | 2/5/2019 | 4,980.75 | 33.23 | 4,947.52 | |

**TABLE 1A
GROUNDWATER ELEVATIONS - FEBRUARY 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|----------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|----------|
| MW-117A | A | 2/5/2019 | 4,980.99 | 29.71 | 4,951.28 | |
| MW-118A | A | 2/5/2019 | 4,984.00 | 32.40 | 4,951.60 | |
| MW-118C | C | 2/5/2019 | 4,987.42 | 33.19 | 4,954.23 | |
| MW-120A | A | 2/5/2019 | 4,986.13 | 32.85 | 4,953.28 | |
| MW-121B | B | 2/5/2019 | 4,991.89 | 41.62 | 4,950.27 | |
| MW-123A | A | 2/5/2019 | 4,994.50 | 19.85 | 4,974.65 | |
| MW-123B | B | 2/5/2019 | 4,994.57 | 20.50 | 4,974.07 | |
| MW-124A | A | 2/5/2019 | 4,991.38 | 19.11 | 4,972.27 | |
| MW-124B | B | 2/5/2019 | 4,991.04 | 18.70 | 4,972.34 | |
| MW-125A | A | 2/5/2019 | 4,990.54 | 18.35 | 4,972.19 | |
| MW-125B | B | 2/5/2019 | 4,990.31 | 18.12 | 4,972.19 | |
| MW-126A | A | 2/5/2019 | 4,989.72 | 18.12 | 4,971.60 | |
| MW-126B | B | 2/5/2019 | 4,989.72 | 17.40 | 4,972.32 | |
| MW-127A | A | 2/5/2019 | 4,979.60 | 22.90 | 4,956.70 | |
| MW-127B | B | 2/5/2019 | 4,979.46 | 23.00 | 4,956.46 | |
| MW-133A | A | 2/5/2019 | 4,990.11 | 32.30 | 4,957.81 | |
| MW-133B | B | 2/5/2019 | 4,990.37 | 34.88 | 4,955.49 | |
| MW-B1 | A | 2/5/2019 | 4,975.12 | 15.42 | 4,959.70 | |
| MW-B13 | A | 2/5/2019 | 4,977.64 | 6.61 | 4,971.03 | |
| P-1 | A | 2/5/2019 | 4,973.51 | 11.34 | 4,962.17 | |
| DPE-101 | A | 2/5/2019 | 4,996.69 | 18.74 | 4,977.95 | |
| DPE-102 | A | 2/5/2019 | 4,996.29 | 19.11 | 4,977.18 | |
| DPE-103 | A | 2/5/2019 | 4,995.89 | 17.90 | 4,977.99 | |
| DPE-104 | A | 2/5/2019 | 4,996.27 | 19.80 | 4,976.47 | |
| DPE-105 | A | 2/5/2019 | 4,997.69 | 20.30 | 4,977.39 | |
| DPE-106 | A | 2/5/2019 | 5,002.65 | 24.21 | 4,978.44 | |
| DPE-201 | A | 2/5/2019 | 4,993.30 | 20.12 | 4,973.18 | |
| DPE-301 | A | 2/5/2019 | 4,991.61 | 19.29 | 4,972.32 | |
| DPE-302 | A | 2/5/2019 | 4,990.95 | 19.15 | 4,971.80 | |
| GWEX-001 | A | 2/5/2019 | 4,996.94 | 20.65 | 4,976.29 | |
| GWEX-002 | A | 2/5/2019 | 4,995.68 | 21.72 | 4,973.96 | |
| GWEX-003 | A | 2/5/2019 | 4,990.66 | 18.10 | 4,972.56 | |
| GWEX-004 | A | 2/5/2019 | 4,991.24 | 19.20 | 4,972.04 | |
| GWEX-005 | A | 2/5/2019 | 4,989.99 | 18.20 | 4,971.79 | |
| GWEX-006 | A | 2/5/2019 | 4,987.26 | 15.35 | 4,971.91 | |

Abbreviations:

ft amsl = Feet above mean sea level

ft btoc = Feet below top of casing

NM = Not measured

**TABLE 1B
GROUNDWATER ELEVATIONS - MAY 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|---------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|------------------------------------|
| DM-1 | A | 5/7/2019 | 4,968.55 | 5.20 | 4,963.35 | |
| DM-2R | A | 5/7/2019 | 4,978.57 | 18.74 | 4,959.83 | |
| DM-3R | A | 5/7/2019 | 4,977.04 | 12.80 | 4,964.24 | |
| LDI-1A | A | 5/7/2019 | 4,992.34 | 18.85 | 4,973.49 | |
| LDI-1B | B | 5/7/2019 | 4,992.28 | 18.62 | 4,973.66 | |
| LDI-2A | A | 5/7/2019 | 4,988.73 | 17.12 | 4,971.61 | |
| LDI-3A | A | 5/7/2019 | 4,989.74 | 18.45 | 4,971.29 | |
| LDI-3B | B | 5/7/2019 | 4,989.73 | 18.80 | 4,970.93 | |
| LDI-4A | A | 5/7/2019 | 4,990.68 | 19.00 | 4,971.68 | |
| LDI-4B | B | 5/7/2019 | 4,990.64 | 19.05 | 4,971.59 | |
| MW-01 | A | 5/7/2019 | 4,976.35 | 9.50 | 4,966.85 | |
| MW-1A | A | 5/7/2019 | 4,977.36 | 9.20 | 4,968.16 | |
| MW-07 | A | 5/7/2019 | 4,973.68 | 7.72 | 4,965.96 | |
| MW-12 | A | 5/7/2019 | 4,989.73 | 19.84 | 4,969.89 | |
| MW-13 | A | 5/7/2019 | 4,985.49 | 15.10 | 4,970.39 | |
| MW-14 | A | 5/7/2019 | 4,986.48 | 14.42 | 4,972.06 | |
| MW-15 | A | 5/7/2019 | 4,981.97 | 14.95 | 4,967.02 | |
| MW-17 | A | 5/7/2019 | 4,968.15 | 4.10 | 4,964.05 | |
| MW-19 | A | 5/7/2019 | 4,968.93 | 4.78 | 4,964.15 | |
| MW-20 | A | 5/7/2019 | 4,972.09 | 7.42 | 4,964.67 | |
| MW-21 | A | 5/7/2019 | 4,978.86 | 7.35 | 4,971.51 | |
| MW-22R | A | 5/7/2019 | 4,979.87 | 10.39 | 4,969.48 | |
| MW-23 | A | 5/7/2019 | 4,985.82 | 18.30 | 4,967.52 | |
| MW-25 | A | 5/7/2019 | 4,969.19 | 5.50 | 4,963.69 | |
| MW-26 | A | 5/7/2019 | 4,975.67 | 2.65 | 4,973.02 | |
| MW-27R | A | 5/7/2019 | 4,981.57 | 8.79 | 4,972.78 | |
| MW-28R | A | 5/7/2019 | 4,988.40 | 22.00 | 4,966.40 | |
| MW-29 | A | 5/7/2019 | 4,989.65 | 18.55 | 4,971.10 | |
| MW-30 | A | 5/7/2019 | 4,989.52 | 17.30 | 4,972.22 | |
| MW-31 | A | 5/7/2019 | 4,976.74 | 7.00 | 4,969.74 | |
| MW-32 | A | 5/7/2019 | 4,972.22 | 8.22 | 4,964.00 | |
| MW-101A | A | 5/7/2019 | 4,984.36 | 15.20 | 4,969.16 | |
| MW-101B | B | 5/7/2019 | 4,984.91 | 15.39 | 4,969.52 | |
| MW-102A | A | 5/7/2019 | 4,988.38 | 18.10 | 4,970.28 | |
| MW-102B | B | 5/7/2019 | 4,988.27 | 18.14 | 4,970.13 | |
| MW-102C | C | 5/7/2019 | 4,988.64 | 18.49 | 4,970.15 | |
| MW-103A | A | 5/7/2019 | 4,995.56 | 17.88 | 4,977.68 | |
| MW-104A | A | 5/7/2019 | 4,978.99 | 20.72 | 4,958.27 | |
| MW-104B | B | 5/7/2019 | 4,979.05 | 25.60 | 4,953.45 | |
| MW-104C | C | 5/7/2019 | 4,979.21 | 26.50 | 4,952.71 | |
| MW-105A | A | 5/7/2019 | 4,996.36 | 23.52 | 4,972.84 | |
| MW-105B | B | 5/7/2019 | 4,993.35 | 21.95 | 4,971.40 | |
| MW-105C | C | 5/7/2019 | 4,993.88 | 21.90 | 4,971.98 | |
| MW-106A | A | 5/7/2019 | 4,987.44 | NM | NM | Unable to measure. In locked area. |
| MW-107A | A | 5/7/2019 | 4,990.76 | 17.30 | 4,973.46 | |
| MW-108A | A | 5/7/2019 | 4,984.91 | 14.75 | 4,970.16 | |
| MW-108B | B | 5/7/2019 | 4,984.24 | 14.10 | 4,970.14 | |
| MW-108C | C | 5/7/2019 | 4,984.77 | 15.09 | 4,969.68 | |
| MW-109A | A | 5/7/2019 | 4,990.05 | 19.20 | 4,970.85 | |
| MW-109B | B | 5/7/2019 | 4,990.01 | 19.75 | 4,970.26 | |
| MW-109C | C | 5/7/2019 | 4,990.13 | 19.72 | 4,970.41 | |
| MW-110A | A | 5/7/2019 | 4,979.08 | 24.00 | 4,955.08 | |
| MW-110B | B | 5/7/2019 | 4,979.39 | 24.25 | 4,955.14 | |
| MW-110C | C | 5/7/2019 | 4,978.93 | 24.05 | 4,954.88 | |
| MW-111A | A | 5/7/2019 | 4,981.96 | 28.95 | 4,953.01 | |
| MW-111B | B | 5/7/2019 | 4,981.96 | 29.15 | 4,952.81 | |
| MW-111C | C | 5/7/2019 | 4,982.04 | 31.10 | 4,950.94 | |
| MW-112A | A | 5/7/2019 | 4,990.46 | 36.25 | 4,954.21 | |
| MW-112B | B | 5/7/2019 | 4,990.72 | 36.80 | 4,953.92 | |
| MW-113A | A | 5/7/2019 | 4,996.36 | 25.50 | 4,970.86 | |
| MW-114A | A | 5/7/2019 | 4,993.65 | 17.45 | 4,976.20 | |
| MW-114B | B | 5/7/2019 | 4,993.77 | 18.80 | 4,974.97 | |
| MW-115A | A | 5/7/2019 | 4,987.87 | 14.80 | 4,973.07 | |
| MW-116A | A | 5/7/2019 | 4,981.72 | 22.72 | 4,959.00 | |
| MW-116C | C | 5/7/2019 | 4,980.75 | 30.60 | 4,950.15 | |

**TABLE 1B
GROUNDWATER ELEVATIONS - MAY 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|----------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|----------|
| MW-117A | A | 5/7/2019 | 4,980.99 | 26.00 | 4,954.99 | |
| MW-118A | A | 5/7/2019 | 4,984.00 | 30.39 | 4,953.61 | |
| MW-118C | C | 5/7/2019 | 4,987.42 | 32.55 | 4,954.87 | |
| MW-120A | A | 5/7/2019 | 4,986.13 | 30.60 | 4,955.53 | |
| MW-121B | B | 5/7/2019 | 4,991.89 | 39.04 | 4,952.85 | |
| MW-123A | A | 5/7/2019 | 4,994.50 | 18.26 | 4,976.24 | |
| MW-123B | B | 5/7/2019 | 4,994.57 | 19.25 | 4,975.32 | |
| MW-124A | A | 5/7/2019 | 4,991.38 | 17.70 | 4,973.68 | |
| MW-124B | B | 5/7/2019 | 4,991.04 | 17.30 | 4,973.74 | |
| MW-125A | A | 5/7/2019 | 4,990.54 | 17.00 | 4,973.54 | |
| MW-125B | B | 5/7/2019 | 4,990.31 | 16.72 | 4,973.59 | |
| MW-126A | A | 5/7/2019 | 4,989.72 | 16.05 | 4,973.67 | |
| MW-126B | B | 5/7/2019 | 4,989.72 | 16.09 | 4,973.63 | |
| MW-127A | A | 5/7/2019 | 4,979.60 | 21.05 | 4,958.55 | |
| MW-127B | B | 5/7/2019 | 4,979.46 | 20.00 | 4,959.46 | |
| MW-133A | A | 5/7/2019 | 4,990.11 | 29.50 | 4,960.61 | |
| MW-133B | B | 5/7/2019 | 4,990.37 | 32.45 | 4,957.92 | |
| MW-B1 | A | 5/7/2019 | 4,975.12 | 13.74 | 4,961.38 | |
| MW-B13 | A | 5/7/2019 | 4,977.64 | 6.30 | 4,971.34 | |
| P-1 | A | 5/7/2019 | 4,973.51 | 9.50 | 4,964.01 | |
| DPE-101 | A | 5/7/2019 | 4,996.69 | 17.82 | 4,978.87 | |
| DPE-102 | A | 5/7/2019 | 4,996.29 | 17.80 | 4,978.49 | |
| DPE-103 | A | 5/7/2019 | 4,995.89 | 18.30 | 4,977.59 | |
| DPE-104 | A | 5/7/2019 | 4,996.27 | 18.60 | 4,977.67 | |
| DPE-105 | A | 5/7/2019 | 4,997.69 | 18.60 | 4,979.09 | |
| DPE-106 | A | 5/7/2019 | 5,002.65 | 22.72 | 4,979.93 | |
| DPE-201 | A | 5/7/2019 | 4,993.30 | 19.30 | 4,974.00 | |
| DPE-301 | A | 5/7/2019 | 4,991.61 | 17.90 | 4,973.71 | |
| DPE-302 | A | 5/7/2019 | 4,990.95 | 19.00 | 4,971.95 | |
| GWEX-001 | A | 5/7/2019 | 4,996.94 | 20.60 | 4,976.34 | |
| GWEX-002 | A | 5/7/2019 | 4,995.68 | 20.85 | 4,974.83 | |
| GWEX-003 | A | 5/7/2019 | 4,990.66 | 16.40 | 4,974.26 | |
| GWEX-004 | A | 5/7/2019 | 4,991.24 | 18.79 | 4,972.45 | |
| GWEX-005 | A | 5/7/2019 | 4,989.99 | 16.85 | 4,973.14 | |
| GWEX-006 | A | 5/7/2019 | 4,987.26 | 15.09 | 4,972.17 | |

Abbreviations:

ft amsl = Feet above mean sea level

ft btoc = Feet below top of casing

NM = Not measured

**TABLE 1C
GROUNDWATER ELEVATIONS - AUGUST 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|---------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|------------------------------------|
| DM-1 | A | 8/13/2019 | 4,968.55 | 6.68 | 4,961.87 | |
| DM-2R | A | 8/13/2019 | 4,978.57 | 19.22 | 4,959.35 | |
| DM-3R | A | 8/13/2019 | 4,977.04 | 13.11 | 4,963.93 | |
| LDI-1A | A | 8/13/2019 | 4,992.34 | 19.31 | 4,973.03 | |
| LDI-1B | B | 8/13/2019 | 4,992.28 | 19.28 | 4,973.00 | |
| LDI-2A | A | 8/13/2019 | 4,988.73 | 17.72 | 4,971.01 | |
| LDI-3A | A | 8/13/2019 | 4,989.74 | 19.04 | 4,970.70 | |
| LDI-3B | B | 8/13/2019 | 4,989.73 | 19.39 | 4,970.34 | |
| LDI-4A | A | 8/13/2019 | 4,990.68 | 19.56 | 4,971.12 | |
| LDI-4B | B | 8/13/2019 | 4,990.64 | 19.63 | 4,971.01 | |
| MW-01 | A | 8/13/2019 | 4,976.35 | 10.45 | 4,965.90 | |
| MW-1A | A | 8/13/2019 | 4,977.36 | 9.94 | 4,967.42 | |
| MW-07 | A | 8/13/2019 | 4,973.68 | 8.83 | 4,964.85 | |
| MW-12 | A | 8/13/2019 | 4,989.73 | 20.29 | 4,969.44 | |
| MW-13 | A | 8/13/2019 | 4,985.49 | 15.82 | 4,969.67 | |
| MW-14 | A | 8/13/2019 | 4,986.48 | 15.20 | 4,971.28 | |
| MW-15 | A | 8/13/2019 | 4,981.97 | 15.24 | 4,966.73 | |
| MW-17 | A | 8/13/2019 | 4,968.15 | 6.76 | 4,961.39 | |
| MW-19 | A | 8/13/2019 | 4,968.93 | 6.53 | 4,962.40 | |
| MW-20 | A | 8/13/2019 | 4,972.09 | 8.91 | 4,963.18 | |
| MW-21 | A | 8/13/2019 | 4,978.86 | 7.84 | 4,971.02 | |
| MW-22R | A | 8/13/2019 | 4,979.87 | 11.10 | 4,968.77 | |
| MW-23 | A | 8/13/2019 | 4,985.82 | 17.01 | 4,968.81 | |
| MW-25 | A | 8/13/2019 | 4,969.19 | 7.01 | 4,962.18 | |
| MW-26 | A | 8/13/2019 | 4,975.67 | 5.15 | 4,970.52 | |
| MW-27R | A | 8/13/2019 | 4,981.57 | 9.31 | 4,972.26 | |
| MW-28R | A | 8/13/2019 | 4,988.40 | 23.11 | 4,965.29 | |
| MW-29 | A | 8/13/2019 | 4,989.65 | 19.18 | 4,970.47 | |
| MW-30 | A | 8/13/2019 | 4,989.52 | 18.12 | 4,971.40 | |
| MW-31 | A | 8/13/2019 | 4,976.74 | 7.22 | 4,969.52 | |
| MW-32 | A | 8/13/2019 | 4,972.22 | 9.57 | 4,962.65 | |
| MW-101A | A | 8/13/2019 | 4,984.36 | 15.84 | 4,968.52 | |
| MW-101B | B | 8/13/2019 | 4,984.91 | 15.89 | 4,969.02 | |
| MW-102A | A | 8/13/2019 | 4,988.38 | 18.52 | 4,969.86 | |
| MW-102B | B | 8/13/2019 | 4,988.27 | 18.46 | 4,969.81 | |
| MW-102C | C | 8/13/2019 | 4,988.64 | 19.04 | 4,969.60 | |
| MW-103A | A | 8/13/2019 | 4,995.56 | 18.12 | 4,977.44 | |
| MW-104A | A | 8/13/2019 | 4,978.99 | 21.97 | 4,957.02 | |
| MW-104B | B | 8/13/2019 | 4,979.05 | 26.90 | 4,952.15 | |
| MW-104C | C | 8/13/2019 | 4,979.21 | 27.98 | 4,951.23 | |
| MW-105A | A | 8/13/2019 | 4,996.36 | 23.73 | 4,972.63 | |
| MW-105B | B | 8/13/2019 | 4,993.35 | 21.39 | 4,971.96 | |
| MW-105C | C | 8/13/2019 | 4,993.88 | 22.31 | 4,971.57 | |
| MW-106A | A | 8/13/2019 | 4,987.44 | NM | NM | Unable to measure. In locked area. |
| MW-107A | A | 8/13/2019 | 4,990.76 | 17.81 | 4,972.95 | |
| MW-108A | A | 8/13/2019 | 4,984.91 | 15.52 | 4,969.39 | |
| MW-108B | B | 8/13/2019 | 4,984.24 | 14.69 | 4,969.55 | |
| MW-108C | C | 8/13/2019 | 4,984.77 | 15.68 | 4,969.09 | |
| MW-109A | A | 8/13/2019 | 4,990.05 | 19.96 | 4,970.09 | |
| MW-109B | B | 8/13/2019 | 4,990.01 | 20.32 | 4,969.69 | |
| MW-109C | C | 8/13/2019 | 4,990.13 | 20.29 | 4,969.84 | |
| MW-110A | A | 8/13/2019 | 4,979.08 | 24.98 | 4,954.10 | |
| MW-110B | B | 8/13/2019 | 4,979.39 | 25.39 | 4,954.00 | |
| MW-110C | C | 8/13/2019 | 4,978.93 | 25.21 | 4,953.72 | |
| MW-111A | A | 8/13/2019 | 4,981.96 | 30.38 | 4,951.58 | |
| MW-111B | B | 8/13/2019 | 4,981.96 | 30.59 | 4,951.37 | |
| MW-111C | C | 8/13/2019 | 4,982.04 | 33.01 | 4,949.03 | |
| MW-112A | A | 8/13/2019 | 4,990.46 | 37.18 | 4,953.28 | |
| MW-112B | B | 8/13/2019 | 4,990.72 | 37.71 | 4,953.01 | |
| MW-113A | A | 8/13/2019 | 4,996.36 | 25.91 | 4,970.45 | |
| MW-114A | A | 8/13/2019 | 4,993.65 | 17.69 | 4,975.96 | |
| MW-114B | B | 8/13/2019 | 4,993.77 | 17.71 | 4,976.06 | |
| MW-115A | A | 8/13/2019 | 4,987.87 | 15.39 | 4,972.48 | |
| MW-116A | A | 8/13/2019 | 4,981.72 | 23.98 | 4,957.74 | |
| MW-116C | C | 8/13/2019 | 4,980.75 | 32.95 | 4,947.80 | |

**TABLE 1C
GROUNDWATER ELEVATIONS - AUGUST 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|----------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|----------|
| MW-117A | A | 8/13/2019 | 4,980.99 | 27.19 | 4,953.80 | |
| MW-118A | A | 8/13/2019 | 4,984.00 | 31.81 | 4,952.19 | |
| MW-118C | C | 8/13/2019 | 4,987.42 | 34.04 | 4,953.38 | |
| MW-120A | A | 8/13/2019 | 4,986.13 | 31.89 | 4,954.24 | |
| MW-121B | B | 8/13/2019 | 4,991.89 | 39.66 | 4,952.23 | |
| MW-123A | A | 8/13/2019 | 4,994.50 | 18.74 | 4,975.76 | |
| MW-123B | B | 8/13/2019 | 4,994.57 | 19.61 | 4,974.96 | |
| MW-124A | A | 8/13/2019 | 4,991.38 | 18.29 | 4,973.09 | |
| MW-124B | B | 8/13/2019 | 4,991.04 | 17.98 | 4,973.06 | |
| MW-125A | A | 8/13/2019 | 4,990.54 | 17.61 | 4,972.93 | |
| MW-125B | B | 8/13/2019 | 4,990.31 | 17.14 | 4,973.17 | |
| MW-126A | A | 8/13/2019 | 4,989.72 | 16.74 | 4,972.98 | |
| MW-126B | B | 8/13/2019 | 4,989.72 | 17.31 | 4,972.41 | |
| MW-127A | A | 8/13/2019 | 4,979.60 | 21.21 | 4,958.39 | |
| MW-127B | B | 8/13/2019 | 4,979.46 | 22.26 | 4,957.20 | |
| MW-133A | A | 8/13/2019 | 4,990.11 | 30.81 | 4,959.30 | |
| MW-133B | B | 8/13/2019 | 4,990.37 | 33.39 | 4,956.98 | |
| MW-B1 | A | 8/13/2019 | 4,975.12 | 15.07 | 4,960.05 | |
| MW-B13 | A | 8/13/2019 | 4,977.64 | 6.68 | 4,970.96 | |
| P-1 | A | 8/13/2019 | 4,973.51 | 10.43 | 4,963.08 | |
| DPE-101 | A | 8/13/2019 | 4,996.69 | 16.99 | 4,979.70 | |
| DPE-102 | A | 8/13/2019 | 4,996.29 | 17.69 | 4,978.60 | |
| DPE-103 | A | 8/13/2019 | 4,995.89 | 16.63 | 4,979.26 | |
| DPE-104 | A | 8/13/2019 | 4,996.27 | 16.89 | 4,979.38 | |
| DPE-105 | A | 8/13/2019 | 4,997.69 | 18.39 | 4,979.30 | |
| DPE-106 | A | 8/13/2019 | 5,002.65 | 22.52 | 4,980.13 | |
| DPE-201 | A | 8/13/2019 | 4,993.30 | 18.81 | 4,974.49 | |
| DPE-301 | A | 8/13/2019 | 4,991.61 | 18.28 | 4,973.33 | |
| DPE-302 | A | 8/13/2019 | 4,990.95 | 17.68 | 4,973.27 | |
| GWEX-001 | A | 8/13/2019 | 4,996.94 | 19.71 | 4,977.23 | |
| GWEX-002 | A | 8/13/2019 | 4,995.68 | 19.20 | 4,976.48 | |
| GWEX-003 | A | 8/13/2019 | 4,990.66 | 17.14 | 4,973.52 | |
| GWEX-004 | A | 8/13/2019 | 4,991.24 | 18.21 | 4,973.03 | |
| GWEX-005 | A | 8/13/2019 | 4,989.99 | 17.18 | 4,972.81 | |
| GWEX-006 | A | 8/13/2019 | 4,987.26 | 14.92 | 4,972.34 | |

Abbreviations:

ft amsl = Feet above mean sea level

ft btoc = Feet below top of casing

NM = Not measured

**TABLE 1D
GROUNDWATER ELEVATIONS - NOVEMBER 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|---------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|------------------------------------|
| DM-1 | A | 11/5/2019 | 4,968.55 | 7.35 | 4,961.20 | |
| DM-2R | A | 11/5/2019 | 4,978.57 | 19.80 | 4,958.77 | |
| DM-3R | A | 11/5/2019 | 4,977.04 | 13.80 | 4,963.24 | |
| LDI-1A | A | 11/5/2019 | 4,992.34 | 19.90 | 4,972.44 | |
| LDI-1B | B | 11/5/2019 | 4,992.28 | 19.90 | 4,972.38 | |
| LDI-2A | A | 11/5/2019 | 4,988.73 | 18.40 | 4,970.33 | |
| LDI-3A | A | 11/5/2019 | 4,989.74 | 19.65 | 4,970.09 | |
| LDI-3B | B | 11/5/2019 | 4,989.73 | 19.95 | 4,969.78 | |
| LDI-4A | A | 11/5/2019 | 4,990.68 | 20.10 | 4,970.58 | |
| LDI-4B | B | 11/5/2019 | 4,990.64 | 20.20 | 4,970.44 | |
| MW-01 | A | 11/5/2019 | 4,976.35 | 10.85 | 4,965.50 | |
| MW-1A | A | 11/5/2019 | 4,977.36 | 10.45 | 4,966.91 | |
| MW-07 | A | 11/5/2019 | 4,973.68 | 9.19 | 4,964.49 | |
| MW-12 | A | 11/5/2019 | 4,989.73 | 20.80 | 4,968.93 | |
| MW-13 | A | 11/5/2019 | 4,985.49 | 16.32 | 4,969.17 | |
| MW-14 | A | 11/5/2019 | 4,986.48 | 15.55 | 4,970.93 | |
| MW-15 | A | 11/5/2019 | 4,981.97 | 16.10 | 4,965.87 | |
| MW-17 | A | 11/5/2019 | 4,968.15 | 6.62 | 4,961.53 | |
| MW-19 | A | 11/5/2019 | 4,968.93 | 6.82 | 4,962.11 | |
| MW-20 | A | 11/5/2019 | 4,972.09 | 9.75 | 4,962.34 | |
| MW-21 | A | 11/5/2019 | 4,978.86 | 8.10 | 4,970.76 | |
| MW-22R | A | 11/5/2019 | 4,979.87 | 11.40 | 4,968.47 | |
| MW-23 | A | 11/5/2019 | 4,985.82 | 17.44 | 4,968.38 | |
| MW-25 | A | 11/5/2019 | 4,969.19 | 8.90 | 4,960.29 | |
| MW-26 | A | 11/5/2019 | 4,975.67 | 5.60 | 4,970.07 | |
| MW-27R | A | 11/5/2019 | 4,981.57 | 9.72 | 4,971.85 | |
| MW-28R | A | 11/5/2019 | 4,988.40 | 24.10 | 4,964.30 | |
| MW-29 | A | 11/5/2019 | 4,989.65 | 19.60 | 4,970.05 | |
| MW-30 | A | 11/5/2019 | 4,989.52 | 18.71 | 4,970.81 | |
| MW-31 | A | 11/5/2019 | 4,976.74 | 7.59 | 4,969.15 | |
| MW-32 | A | 11/5/2019 | 4,972.22 | 10.00 | 4,962.22 | |
| MW-101A | A | 11/5/2019 | 4,984.36 | 16.20 | 4,968.16 | |
| MW-101B | B | 11/5/2019 | 4,984.91 | 16.45 | 4,968.46 | |
| MW-102A | A | 11/5/2019 | 4,988.38 | 19.20 | 4,969.18 | |
| MW-102B | B | 11/5/2019 | 4,988.27 | 19.18 | 4,969.09 | |
| MW-102C | C | 11/5/2019 | 4,988.64 | 19.45 | 4,969.19 | |
| MW-103A | A | 11/5/2019 | 4,995.56 | 18.75 | 4,976.81 | |
| MW-104A | A | 11/5/2019 | 4,978.99 | 22.95 | 4,956.04 | |
| MW-104B | B | 11/5/2019 | 4,979.05 | 26.70 | 4,952.35 | |
| MW-104C | C | 11/5/2019 | 4,979.21 | 27.50 | 4,951.71 | |
| MW-105A | A | 11/5/2019 | 4,996.36 | 24.40 | 4,971.96 | |
| MW-105B | B | 11/5/2019 | 4,993.35 | 21.30 | 4,972.05 | |
| MW-105C | C | 11/5/2019 | 4,993.88 | 22.92 | 4,970.96 | |
| MW-106A | A | 11/5/2019 | 4,987.44 | NM | NM | Unable to measure. In locked area. |
| MW-107A | A | 11/5/2019 | 4,990.76 | 18.55 | 4,972.21 | |
| MW-108A | A | 11/5/2019 | 4,984.91 | 16.05 | 4,968.86 | |
| MW-108B | B | 11/5/2019 | 4,984.24 | 15.20 | 4,969.04 | |
| MW-108C | C | 11/5/2019 | 4,984.77 | 16.06 | 4,968.71 | |
| MW-109A | A | 11/5/2019 | 4,990.05 | 20.55 | 4,969.50 | |
| MW-109B | B | 11/5/2019 | 4,990.01 | 20.90 | 4,969.11 | |
| MW-109C | C | 11/5/2019 | 4,990.13 | 20.75 | 4,969.38 | |
| MW-110A | A | 11/5/2019 | 4,979.08 | 25.20 | 4,953.88 | |
| MW-110B | B | 11/5/2019 | 4,979.39 | 25.72 | 4,953.67 | |
| MW-110C | C | 11/5/2019 | 4,978.93 | 25.60 | 4,953.33 | |
| MW-111A | A | 11/5/2019 | 4,981.96 | 29.85 | 4,952.11 | |
| MW-111B | B | 11/5/2019 | 4,981.96 | 30.09 | 4,951.87 | |
| MW-111C | C | 11/5/2019 | 4,982.04 | 31.75 | 4,950.29 | |
| MW-112A | A | 11/5/2019 | 4,990.46 | 37.47 | 4,952.99 | |
| MW-112B | B | 11/5/2019 | 4,990.72 | 37.90 | 4,952.82 | |
| MW-113A | A | 11/5/2019 | 4,996.36 | 26.56 | 4,969.80 | |
| MW-114A | A | 11/5/2019 | 4,993.65 | 18.32 | 4,975.33 | |
| MW-114B | B | 11/5/2019 | 4,993.77 | 18.41 | 4,975.36 | |
| MW-115A | A | 11/5/2019 | 4,987.87 | 15.82 | 4,972.05 | |
| MW-116A | A | 11/5/2019 | 4,981.72 | 25.15 | 4,956.57 | |
| MW-116C | C | 11/5/2019 | 4,980.75 | 31.40 | 4,949.35 | |

**TABLE 1D
GROUNDWATER ELEVATIONS - NOVEMBER 2019
STEAD SOLVENT SITE OU1**

| Well ID | Horizon | Monitoring Date | Top of Casing Elevation (ft amsl) | Depth to Water (ft btoc) | Groundwater Elevation (ft amsl) | Comments |
|----------|---------|-----------------|-----------------------------------|--------------------------|---------------------------------|----------|
| MW-117A | A | 11/5/2019 | 4,980.99 | 27.52 | 4,953.47 | |
| MW-118A | A | 11/5/2019 | 4,984.00 | 31.75 | 4,952.25 | |
| MW-118C | C | 11/5/2019 | 4,987.42 | 33.10 | 4,954.32 | |
| MW-120A | A | 11/5/2019 | 4,986.13 | 31.35 | 4,954.78 | |
| MW-121B | B | 11/5/2019 | 4,991.89 | 38.80 | 4,953.09 | |
| MW-123A | A | 11/5/2019 | 4,994.50 | 19.45 | 4,975.05 | |
| MW-123B | B | 11/5/2019 | 4,994.57 | 20.29 | 4,974.28 | |
| MW-124A | A | 11/5/2019 | 4,991.38 | 18.82 | 4,972.56 | |
| MW-124B | B | 11/5/2019 | 4,991.04 | 18.45 | 4,972.59 | |
| MW-125A | A | 11/5/2019 | 4,990.54 | 18.05 | 4,972.49 | |
| MW-125B | B | 11/5/2019 | 4,990.31 | 17.90 | 4,972.41 | |
| MW-126A | A | 11/5/2019 | 4,989.72 | 17.79 | 4,971.93 | |
| MW-126B | B | 11/5/2019 | 4,989.72 | 17.70 | 4,972.02 | |
| MW-127A | A | 11/5/2019 | 4,979.60 | 21.82 | 4,957.78 | |
| MW-127B | B | 11/5/2019 | 4,979.46 | 22.32 | 4,957.14 | |
| MW-133A | A | 11/5/2019 | 4,990.11 | 31.39 | 4,958.72 | |
| MW-133B | B | 11/5/2019 | 4,990.37 | 33.55 | 4,956.82 | |
| MW-B1 | A | 11/5/2019 | 4,975.12 | 15.88 | 4,959.24 | |
| MW-B13 | A | 11/5/2019 | 4,977.64 | 6.95 | 4,970.69 | |
| P-1 | A | 11/5/2019 | 4,973.51 | 11.42 | 4,962.09 | |
| DPE-101 | A | 11/5/2019 | 4,996.69 | 17.60 | 4,979.09 | |
| DPE-102 | A | 11/5/2019 | 4,996.29 | 18.42 | 4,977.87 | |
| DPE-103 | A | 11/5/2019 | 4,995.89 | 16.92 | 4,978.97 | |
| DPE-104 | A | 11/5/2019 | 4,996.27 | 19.03 | 4,977.24 | |
| DPE-105 | A | 11/5/2019 | 4,997.69 | 19.15 | 4,978.54 | |
| DPE-106 | A | 11/5/2019 | 5,002.65 | 23.05 | 4,979.60 | |
| DPE-201 | A | 11/5/2019 | 4,993.30 | 19.65 | 4,973.65 | |
| DPE-301 | A | 11/5/2019 | 4,991.61 | 19.97 | 4,971.64 | |
| DPE-302 | A | 11/5/2019 | 4,990.95 | 18.50 | 4,972.45 | |
| GWEX-001 | A | 11/5/2019 | 4,996.94 | 19.60 | 4,977.34 | |
| GWEX-002 | A | 11/5/2019 | 4,995.68 | 20.48 | 4,975.20 | |
| GWEX-003 | A | 11/5/2019 | 4,990.66 | 17.27 | 4,973.39 | |
| GWEX-004 | A | 11/5/2019 | 4,991.24 | 18.70 | 4,972.54 | |
| GWEX-005 | A | 11/5/2019 | 4,989.99 | 17.75 | 4,972.24 | |
| GWEX-006 | A | 11/5/2019 | 4,987.26 | 16.35 | 4,970.91 | |

Abbreviations:

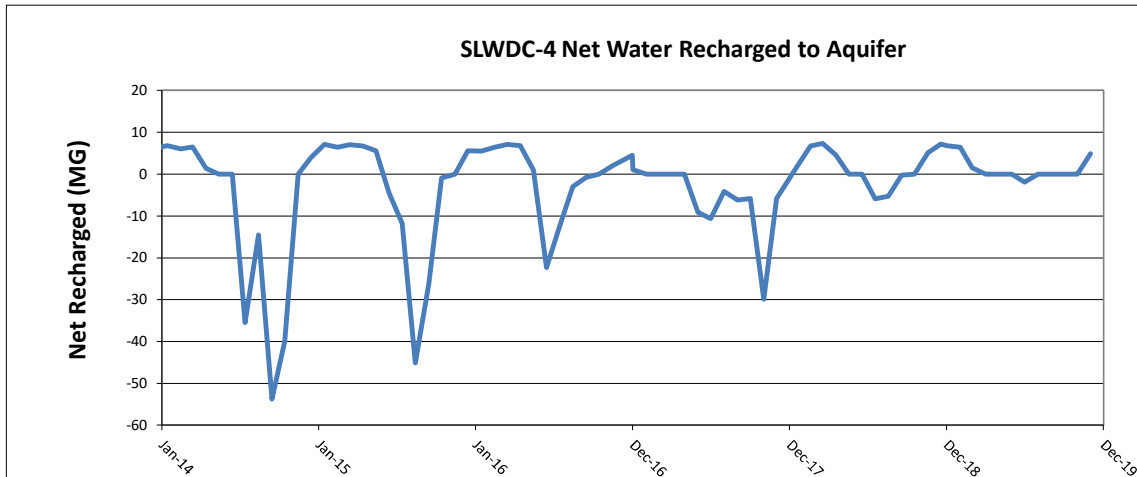
ft amsl = Feet above mean sea level

ft btoc = Feet below top of casing

NM = Not measured

TABLE 2
SLWDC-4 MONTHLY WATER PRODUCTION AND RECHARGE VOLUMES AT SILVER LAKE WELL
STEAD SOLVENT SITE OU1 (2014 - 2019)

| Date | Produced (MG) | Recharged (MG) | Net Recharged (MG) | Date | Produced (MG) | Recharged (MG) | Net Recharged (MG) |
|--------|---------------|----------------|--------------------|--------|---------------|----------------|--------------------|
| Jan-14 | 0.0 | 6.8 | 6.8 | Jan-17 | 0.0 | 1.1 | 1.1 |
| Feb-14 | 0.0 | 6.0 | 6.0 | Feb-17 | 0.0 | 0.0 | 0.0 |
| Mar-14 | 0.0 | 6.5 | 6.5 | Mar-17 | 0.0 | 0.0 | 0.0 |
| Apr-14 | 0.0 | 1.4 | 1.4 | Apr-17 | 0.0 | 0.0 | 0.0 |
| May-14 | 0.0 | 0.0 | 0.0 | May-17 | 0.0 | 0.0 | 0.0 |
| Jun-14 | 0.0 | 0.0 | 0.0 | Jun-17 | 9.1 | 0.0 | -9.1 |
| Jul-14 | 35.5 | 0.0 | -35.5 | Jul-17 | 10.6 | 0.0 | -10.6 |
| Aug-14 | 14.5 | 0.0 | -14.5 | Aug-17 | 4.1 | 0.0 | -4.1 |
| Sep-14 | 53.8 | 0.0 | -53.8 | Sep-17 | 6.2 | 0.0 | -6.2 |
| Oct-14 | 39.9 | 0.0 | -39.9 | Oct-17 | 5.8 | 0.0 | -5.8 |
| Nov-14 | 0.0 | 0.0 | 0.0 | Nov-17 | 29.9 | 0.0 | -29.9 |
| Dec-14 | 0.0 | 4.0 | 4.0 | Dec-17 | 5.8 | 0.0 | -5.8 |
| Jan-15 | 0.0 | 7.1 | 7.1 | Jan-18 | 0.0 | 1.8 | 1.8 |
| Feb-15 | 0.0 | 6.4 | 6.4 | Feb-18 | 0.0 | 6.7 | 6.7 |
| Mar-15 | 0.0 | 7.0 | 7.0 | Mar-18 | 0.0 | 7.3 | 7.3 |
| Apr-15 | 0.0 | 6.7 | 6.7 | Apr-18 | 0.0 | 4.6 | 4.6 |
| May-15 | 0.0 | 5.6 | 5.6 | May-18 | 0.0 | 0.0 | 0.0 |
| Jun-15 | 4.5 | 0.0 | -4.5 | Jun-18 | 0.0 | 0.0 | 0.0 |
| Jul-15 | 11.8 | 0.0 | -11.8 | Jul-18 | 5.9 | 0.0 | -5.9 |
| Aug-15 | 45.1 | 0.0 | -45.1 | Aug-18 | 5.3 | 0.0 | -5.3 |
| Sep-15 | 26.3 | 0.0 | -26.3 | Sep-18 | 0.2 | 0.0 | -0.2 |
| Oct-15 | 0.9 | 0.0 | -0.9 | Oct-18 | 0.0 | 0.0 | 0.0 |
| Nov-15 | 0.0 | 0.0 | 0.0 | Nov-18 | 0.0 | 5.1 | 5.1 |
| Dec-15 | 0.0 | 5.6 | 5.6 | Dec-18 | 0.0 | 7.2 | 7.2 |
| Jan-16 | 0.0 | 5.5 | 5.5 | Jan-19 | 0.0 | 6.8 | 6.8 |
| Feb-16 | 0.0 | 6.4 | 6.4 | Feb-19 | 0.0 | 6.4 | 6.4 |
| Mar-16 | 0.0 | 7.1 | 7.1 | Mar-19 | 0.0 | 1.5 | 1.5 |
| Apr-16 | 0.0 | 6.8 | 6.8 | Apr-19 | 0.0 | 0.0 | 0.0 |
| May-16 | 0.0 | 1.0 | 1.0 | May-19 | 0.0 | 0.0 | 0.0 |
| Jun-16 | 22.3 | 0.0 | -22.3 | Jun-19 | 0.0 | 0.0 | 0.0 |
| Jul-16 | 12.7 | 0.0 | -12.7 | Jul-19 | 1.9 | 0.0 | -1.9 |
| Aug-16 | 3.0 | 0.0 | -3.0 | Aug-19 | 0.0 | 0.0 | 0.0 |
| Sep-16 | 0.8 | 0.0 | -0.8 | Sep-19 | 0.0 | 0.0 | 0.0 |
| Oct-16 | 0.0 | 0.0 | 0.0 | Oct-19 | 0.0 | 0.0 | 0.0 |
| Nov-16 | 0.0 | 2.0 | 2.0 | Nov-19 | 0.0 | 0.0 | 0.0 |
| Dec-16 | 0.0 | 4.5 | 4.5 | Dec-19 | 0.0 | 4.9 | 4.9 |



Abbreviations:
MG = Million Gallons

Notes:
1. Net Recharged is the volume of water injected into the aquifer for the shown time periods. Negative values indicate a net withdrawal of groundwater from the aquifer.

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**TABLE 3A
GROUNDWATER FIELD PARAMETERS - FEBRUARY/MARCH 2020
STEAD SOLVENT SITE OU1**

| Sample Type | Well ID | Sampling Date | Volume Purged (Liters) | pH | Conductivity (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Oxidation/Reduction Potential (mV) | Dissolved Oxygen (mg/L) |
|--|---------|---------------|------------------------|------|-------------------------|------------------|-----------------|------------------------------------|-------------------------|
| Long-Term Monitoring Micropurge Sample | MW-27R | 2/28/2020 | 15.0 | 7.50 | 763.0 | 13.60 | 3.23 | 64.0 | 6.31 |
| | MW-29 | 2/27/2020 | 15.0 | 7.54 | 798.0 | 17.90 | 2.77 | 37.5 | 8.02 |
| | MW-101A | 2/28/2020 | 15.0 | 7.39 | 908.0 | 17.60 | 3.33 | 69.3 | 6.58 |
| | MW-105B | 2/28/2020 | 15.0 | 7.39 | 581.0 | 15.20 | 4.16 | -119.2 | 0.20 |
| | MW-109A | 2/27/2020 | 15.0 | 7.25 | 3,102.0 | 16.90 | 2.53 | 77.3 | 5.77 |
| | MW-113A | 2/29/2020 | 15.0 | 7.22 | 1,519.0 | 14.70 | 3.21 | 115.1 | 2.93 |
| | MW-114A | 2/29/2020 | 15.0 | 7.23 | 2,444.0 | 14.40 | 1.61 | 153.3 | 6.90 |
| | MW-115A | 2/29/2020 | 15.0 | 7.66 | 706.0 | 15.30 | 3.68 | 77.8 | 4.86 |
| | MW-123A | 3/2/2020 | 15.0 | 6.92 | 1,865.0 | 16.20 | 4.75 | -81.0 | 1.57 |
| | MW-123B | 3/2/2020 | 15.0 | 7.40 | 464.3 | 16.00 | 3.93 | -89.9 | 2.32 |
| | MW-124B | 2/28/2020 | 22.5 | 7.08 | 1,922.0 | 16.30 | 29.68 | 91.6 | 0.41 |
| | MW-125A | 2/28/2020 | 15.0 | 7.23 | 989.0 | 17.70 | 3.12 | 203.1 | 2.77 |
| | MW-127B | 2/29/2020 | 15.0 | 8.09 | 395.7 | 15.20 | 4.68 | 125.8 | 1.25 |
| | DPE-104 | 2/27/2020 | 15.0 | 7.52 | 1,039.0 | 16.40 | 3.28 | -62.0 | 0.57 |
| | DPE-105 | 2/27/2020 | 15.0 | 7.43 | 1,696.0 | 16.70 | 1.05 | 36.9 | 4.00 |
| | DPE-106 | 2/29/2020 | 15.0 | 7.47 | 1,167.0 | 4.68 | 14.60 | 77.3 | 3.95 |
| | DPE-302 | 2/27/2020 | 15.0 | 7.59 | 262.4 | 16.50 | 1.43 | 236.7 | 0.26 |
| | | | Max | 8.09 | 3,102.0 | 17.9 | 29.7 | 236.7 | 8.0 |
| | | | Average | 7.41 | 1213.02 | 15.37 | 5.36 | 59.62 | 3.45 |
| | | | Std. Dev. | 0.26 | 777.71 | 3.00 | 6.93 | 100.05 | 2.59 |

Abbreviations:

- µmhos/cm = Micro-mhos per centimeter
- °C = Degrees Celsius
- mg/L = Milligrams per liter
- mV = Millivolts
- NTU = Nephelometric turbidity units

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**TABLE 3B
GROUNDWATER FIELD PARAMETERS - MAY/JUNE 2020
STEAD SOLVENT SITE OU1**

| Sample Type | Well ID | Sampling Date | Volume Purged (Liters) | pH | Conductivity (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Oxidation/Reduction Potential (mV) | Dissolved Oxygen (mg/L) |
|--|-----------|---------------|------------------------|----------|-------------------------|------------------|-----------------|------------------------------------|-------------------------|
| Long-Term Monitoring Micropurge Sample | LD1-1A | 06/03/20 | 15 | 7.53 | 898.0 | 16.6 | 2.42 | 75 | 6.69 |
| | LDI-1B | 06/03/20 | 15 | 7.27 | 539.0 | 16.4 | 3.79 | 45 | 0.82 |
| | LDI-2A | 05/28/20 | 15.0 | 7.37 | 1147.0 | 19.3 | 2.77 | 42.1 | 6.65 |
| | MW-01 | 06/02/20 | 15.0 | 7.06 | 742.0 | 20.4 | 3.43 | 117.6 | 2.31 |
| | MW-07 | 05/28/20 | 15.0 | 7.30 | 1095.0 | 22.6 | 3.21 | 90.8 | 3.55 |
| | MW-12 | 05/30/20 | 15.0 | 7.67 | 858.0 | 17.2 | 3.32 | 63.9 | 8.41 |
| | MW-21 | 05/31/20 | 22.5 | 7.55 | 570.0 | 22.0 | 74.45 | 75.1 | 3.91 |
| | MW-22R | 6/5/2020 | 15.0 | 7.50 | 943.0 | 21.0 | 3.71 | 37.9 | 3.14 |
| | MW-23 | 06/02/20 | 15.0 | 7.44 | 437.0 | 19.0 | 3.58 | -120.0 | 1.08 |
| | MW-25 | 05/31/20 | 15.0 | 7.29 | 2947.0 | 17.1 | 7.93 | 108.3 | 0.66 |
| | MW-26 | 06/03/20 | 22.5 | 6.56 | 147.2 | 23.0 | 355.85 | -85.5 | 0.22 |
| | MW-27R | 6/7/2020 | 15.0 | 7.54 | 813.0 | 13.60 | 3.13 | 70.3 | 6.22 |
| | MW-28R | 6/5/2020 | 15.0 | 7.12 | 1,437.0 | 16.00 | 2.55 | 79.6 | 1.38 |
| | MW-29 | 6/7/2020 | 25.0 | 7.63 | 857.0 | 15.20 | 64.52 | 43.8 | 5.97 |
| | MW-30 | 6/1/2020 | 15.0 | 7.60 | 876.0 | 17.40 | 4.29 | 62.7 | 6.29 |
| | MW-31 | 6/6/2020 | 22.5 | 7.67 | 566.0 | 17.70 | 25.53 | 33.9 | 1.95 |
| | MW-32 | 6/2/2020 | 15.0 | 7.41 | 953.0 | 15.90 | 3.33 | 119.9 | 0.28 |
| | MW-101A | 6/7/2020 | 15.0 | 7.49 | 932.0 | 16.60 | 4.92 | 76.4 | 5.50 |
| | MW-101B | 6/4/2020 | 15.0 | 7.52 | 598.0 | 18.60 | 3.97 | -76.9 | 0.32 |
| | MW-102A | 5/28/2020 | 20.0 | 7.11 | 1,167.0 | 25.00 | 4.14 | 18.6 | 0.06 |
| | MW-102B | 5/28/2020 | 15.0 | 6.78 | 150.9 | 21.20 | 2.87 | 53.3 | 0.92 |
| | MW-102C | 5/28/2020 | 15.0 | 9.09 | 358.9 | 22.30 | 2.32 | 62.8 | 2.80 |
| | MW-104A | 5/29/2020 | 15.0 | 7.28 | 1,684.0 | 18.60 | 2.99 | 59.0 | 5.10 |
| | MW-104B | 5/29/2020 | 15.0 | 7.99 | 450.1 | 18.00 | 3.49 | -30.1 | 0.12 |
| | MW-104C | 6/3/2020 | 15.0 | 8.07 | 369.0 | 21.50 | 3.91 | -7.4 | 4.42 |
| | MW-105A | 6/6/2020 | 15.0 | 6.86 | 1,050.0 | 19.00 | 2.95 | 46.2 | 0.20 |
| | MW-105B | 6/7/2020 | 15.0 | 7.27 | 148.9 | 18.90 | 4.27 | 37.6 | 0.11 |
| | MW-105C | 6/7/2020 | 15.0 | 9.50 | 127.8 | 17.80 | 2.28 | 15.4 | 4.93 |
| | MW-108A | 5/29/2020 | 15.0 | 7.81 | 880.0 | 22.50 | 4.55 | 113.3 | 5.22 |
| | MW-108B | 6/3/2020 | 15.0 | 7.61 | 596.0 | 19.00 | 2.36 | -120.2 | 0.09 |
| | MW-108C | 5/29/2020 | 15.0 | 8.38 | 201.6 | 22.20 | 3.04 | 74.0 | 0.30 |
| | MW-109A | 6/1/2020 | 22.5 | 7.25 | 3,085.0 | 19.70 | 77.68 | 66.8 | 5.89 |
| | MW-109B | 6/6/2020 | 15.0 | 7.12 | 1,030.0 | 19.60 | 3.12 | 55.8 | 0.23 |
| | MW-109C | 6/3/2020 | 15.0 | 8.70 | 211.6 | 25.20 | 2.48 | 169.0 | 4.54 |
| | MW-110A | 6/2/2020 | 15.0 | 7.32 | 998.0 | 19.00 | 4.27 | -110.7 | 1.08 |
| | MW-110C | 6/4/2020 | 15.0 | 7.86 | 463.1 | 18.50 | 2.79 | -260.2 | 0.16 |
| | MW-111A | 6/5/2020 | 15.0 | 8.04 | 401.5 | 17.10 | 4.11 | -81.0 | 1.10 |
| | MW-111B | 5/29/2020 | 15.0 | 7.67 | 373.7 | 18.80 | 2.43 | 53.5 | 1.20 |
| | MW-111C | 5/29/2020 | 15.0 | 7.89 | 309.8 | 24.60 | 1.78 | 40.1 | 0.76 |
| | MW-112A | 5/30/2020 | 15.0 | 7.19 | 3,661.0 | 19.20 | 3.21 | 69.1 | 3.43 |
| | MW-112B | 6/1/2020 | 15.0 | 8,015.00 | 837.0 | 17.40 | 2.40 | 106.8 | 6.30 |
| | MW-113A | 6/9/2020 | 15.0 | 7.03 | 2,023.0 | 18.50 | 3.00 | 32.5 | 0.75 |
| MW-114A | 6/8/2020 | 15.0 | 7.27 | 2,498.0 | 16.20 | 3.90 | 77.9 | 6.69 | |
| MW-114B | 5/30/2020 | 15.0 | 7.87 | 653.0 | 16.00 | 1.95 | 75.4 | 7.42 | |
| MW-115A | 6/9/2020 | 15.0 | 7.52 | 711.0 | 16.00 | 3.03 | 40.9 | 4.35 | |
| MW-116C | 5/30/2020 | 15.0 | 7.87 | 298.2 | 16.30 | 2.58 | 37.5 | 2.09 | |
| MW-117A | 6/3/2020 | 15.0 | 7.57 | 1,022.0 | 24.00 | 3.27 | 22.4 | 3.40 | |
| MW-118A | 5/30/2020 | 15.0 | 7.52 | 1,212.0 | 19.40 | 2.64 | -47.0 | 1.70 | |
| MW-123A | 6/10/2020 | 15.0 | 6.90 | 1,959.0 | 20.80 | 2.89 | -130.6 | 0.18 | |
| MW-123B | 6/10/2020 | 25.0 | 7.00 | 1,606.0 | 18.00 | 30.85 | -60.2 | 0.10 | |
| MW-124A | 5/31/2020 | 22.5 | 7.20 | 1,766.0 | 18.50 | 49.02 | 64.2 | 0.98 | |
| MW-124B | 6/8/2020 | 22.5 | 7.09 | 1,961.0 | 17.10 | 42.98 | 39.3 | 0.27 | |
| MW-125A | 6/6/2020 | 17.5 | 7.16 | 1,310.0 | 18.50 | 4.09 | 52.2 | 0.71 | |
| MW-125B | 6/1/2020 | 15.0 | 6.85 | 1,001.0 | 18.70 | 4.17 | 80.2 | 3.30 | |
| MW-126A | 6/5/2020 | 15.0 | 7.31 | 1,162.0 | 18.40 | 4.27 | 27.8 | 0.83 | |
| MW-126B | 6/2/2020 | 15.0 | 6.58 | 81.8 | 23.10 | 3.29 | -100.5 | 0.09 | |
| MW-127A | 6/4/2020 | 15.0 | 7.32 | 1,369.0 | 22.50 | 2.48 | -18.2 | 0.90 | |
| MW-127B | 5/31/2020 | 15.0 | 6.60 | 59.4 | 20.90 | 1.46 | 70.2 | 1.62 | |
| MW-133A | 5/31/2020 | 15.0 | 7.60 | 870.0 | 19.60 | 3.09 | 23.6 | 0.60 | |

**TABLE 3B
GROUNDWATER FIELD PARAMETERS - MAY/JUNE 2020
STEAD SOLVENT SITE OU1**

| Sample Type | Well ID | Sampling Date | Volume Purged (Liters) | pH | Conductivity (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Oxidation/Reduction Potential (mV) | Dissolved Oxygen (mg/L) |
|--|----------|---------------|------------------------|-------|-------------------------|------------------|-----------------|------------------------------------|-------------------------|
| Long-Term Monitoring Micropurge Sample | MW-133B | 6/4/2020 | 15.0 | 7.77 | 652.0 | 16.00 | 2.78 | -60.4 | 0.39 |
| | DPE-101 | 6/8/2020 | 15.0 | 7.25 | 1,411.0 | 19.80 | 2.95 | -71.3 | 0.20 |
| | DPE-102 | 5/28/2020 | 15.0 | 7.24 | 1,053.0 | 19.60 | 2.37 | 69.6 | 0.92 |
| | DPE-103 | 6/8/2020 | 15.0 | 7.17 | 1,141.0 | 17.40 | 2.46 | -176.8 | 0.28 |
| | DPE-104 | 6/5/2020 | 17.5 | 7.50 | 1,329.0 | 16.90 | 4.10 | -129.4 | 0.60 |
| | DPE-105 | 6/5/2020 | 15.0 | 7.44 | 1,712.0 | 23.10 | 246.00 | 34.0 | 3.25 |
| | DPE-106 | 6/8/2020 | 15.0 | 7.40 | 1,220.0 | 17.20 | 2.19 | 31.5 | 4.93 |
| | DPE-301 | 6/5/2020 | 15.0 | 7.26 | 1,138.0 | 18.00 | 4.02 | -144.8 | 0.12 |
| | DPE-302 | 6/4/2020 | 15.0 | 7.65 | 489.5 | 19.50 | 3.11 | -95.0 | 0.35 |
| | GWEX-001 | 6/1/2020 | 15.0 | 7.28 | 972.0 | 19.80 | 3.79 | -24.9 | 1.27 |
| | GWEX-002 | 6/9/2020 | 15.0 | 6.97 | 2,102.0 | 19.00 | 2.45 | -156.9 | 0.09 |
| | GWEX-003 | 5/28/2020 | 15.0 | 7.29 | 1,128.0 | 17.90 | 2.30 | 80.6 | 5.45 |
| | GWEX-004 | 6/7/2020 | 15.0 | 7.05 | 1,222.0 | 16.50 | 2.59 | -106.3 | 0.20 |
| | GWEX-005 | 6/5/2020 | 15.0 | 7.26 | 1,277.0 | 18.30 | 4.25 | 32.4 | 0.22 |
| GWEX-006 | 6/9/2020 | 15.0 | 7.42 | 837.0 | 16.10 | 3.52 | 27.0 | 2.59 | |

| | | | | | | |
|------------------|---------|---------|-------|--------|--------|------|
| Minimum | 6.56 | 59.4 | 13.60 | 1.46 | -260.2 | 0.06 |
| Maximum | 8015.00 | 3,661.0 | 25.20 | 355.85 | 169.0 | 8.41 |
| Average | 115.66 | 1,015.6 | 19.03 | 15.92 | 12.0 | 2.31 |
| Std. Dev. | 930.86 | 698.9 | 2.49 | 51.12 | 83.6 | 2.36 |

Abbreviations:

µmhos/cm = Micro-mhos per centimeter
 °C = Degrees Celsius
 mg/L = Milligrams per liter

mV = Millivolts
 NR = Not recorded
 NTU = Nephelometric turbidity units

**TABLE 3C
GROUNDWATER FIELD PARAMETERS - AUGUST 2019
STEAD SOLVENT SITE OU1**

| Sample Type | Well ID | Sampling Date | Volume Purged (Liters) | pH | Conductivity (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Oxidation/Reduction Potential (mV) | Dissolved Oxygen (mg/L) |
|--|-----------|---------------|------------------------|---------|-------------------------|------------------|-----------------|------------------------------------|-------------------------|
| Long-Term Monitoring Micropurge Sample | MW-23 | 8/14/2019 | 15.0 | 7.55 | 527.4 | 16.24 | 4.13 | 40.6 | 2.86 |
| | MW-27R | 8/16/2019 | 15.0 | 6.71 | 966.3 | 13.70 | 3.64 | -185.1 | 5.36 |
| | MW-28R | 8/15/2019 | 15.0 | 7.07 | 2,165.3 | 18.56 | 3.02 | -23.8 | 2.80 |
| | MW-29 | 8/15/2019 | 15.0 | 7.58 | 866.9 | 16.19 | 6.88 | -23.1 | 2.20 |
| | MW-101A | 8/16/2019 | 15.0 | 7.17 | 733.9 | 16.66 | 4.12 | -110.6 | 5.40 |
| | MW-104B | 8/14/2019 | 15.0 | 8.28 | 550.0 | 16.66 | 3.61 | 59.6 | 0.07 |
| | MW-109A | 8/14/2019 | 15.0 | 7.19 | 4,067.7 | 16.70 | 4.13 | 85.1 | 6.35 |
| | MW-109B | 8/17/2019 | 15.0 | 7.59 | 415.2 | 16.72 | 3.67 | 171.8 | 0.09 |
| | MW-110C | 8/15/2019 | 15.0 | 7.49 | 546.7 | 15.21 | 3.89 | -176.3 | 0.10 |
| | MW-111A | 8/14/2019 | 15.0 | 7.09 | 489.4 | 18.03 | 2.90 | 29.6 | 0.15 |
| | MW-113A | 8/17/2019 | 15.0 | 7.50 | 628.8 | 16.59 | 4.90 | 138.8 | 0.79 |
| | MW-114A | 8/16/2019 | 15.0 | 7.26 | 815.4 | 18.21 | 2.63 | -119.8 | 4.35 |
| | MW-115A | 8/17/2019 | 15.0 | 7.44 | 704.8 | 15.66 | 4.01 | 61.6 | 4.38 |
| | MW-123A | 8/17/2019 | 15.0 | 7.77 | 800.1 | 18.23 | 4.31 | -123.4 | 0.08 |
| | MW-123B | 8/17/2019 | 15.0 | 7.12 | 532.3 | 18.58 | 6.88 | -120.8 | 0.09 |
| | MW-124B | 8/16/2019 | 15.0 | 7.42 | 2,174.6 | 18.05 | 3.21 | -164.9 | 0.42 |
| | MW-125A | 8/16/2019 | 15.0 | 6.94 | 2,351.7 | 17.25 | 4.54 | -159.1 | 0.16 |
| | MW-127B | 8/16/2019 | 15.0 | 7.21 | 383.4 | 17.88 | 2.54 | -184.3 | 1.69 |
| | DPE-104 | 8/14/2019 | 15.0 | 7.63 | 836.4 | 16.59 | 3.82 | 80.6 | 0.21 |
| | DPE-302 | 8/15/2019 | 15.0 | 7.06 | 189.8 | 16.36 | 2.99 | -217.1 | 0.16 |
| | GWEX-004 | 8/15/2019 | 15.0 | 7.10 | 1,312.9 | 17.23 | 4.88 | -137.9 | 0.07 |
| GWEX-005 | 8/15/2019 | 15.0 | 6.90 | 1,401.6 | 16.61 | 4.09 | -4.1 | 0.10 | |
| GWEX-006 | 8/17/2019 | 15.0 | 7.30 | 702.6 | 15.15 | 2.86 | -4.4 | 3.41 | |

| | | | | | | |
|------------------|------|---------|-------|------|--------|------|
| Minimum | 6.71 | 189.8 | 13.70 | 2.54 | -217.1 | 0.07 |
| Maximum | 8.28 | 4,067.7 | 18.58 | 6.88 | 171.8 | 6.35 |
| Average | 7.32 | 1,050.6 | 16.83 | 3.98 | -47.3 | 1.80 |
| Std. Dev. | 0.34 | 883.4 | 1.21 | 1.13 | 116.1 | 2.12 |

Abbreviations:

µmhos/cm = Micro-mhos per centimeter
 °C = Degrees Celsius
 mg/L = Milligrams per liter

mV = Millivolts
 NTU = Nephelometric turbidity units

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**TABLE 3D
GROUNDWATER FIELD PARAMETERS - NOVEMBER 2019
STEAD SOLVENT SITE OU1**

| Sample Type | Well ID | Sampling Date | Volume Purged (Liters) | pH | Conductivity (µmhos/cm) | Temperature (°C) | Turbidity (NTU) | Oxidation/Reduction Potential (mV) | Dissolved Oxygen (mg/L) |
|--|----------|---------------|------------------------|------|-------------------------|------------------|-----------------|------------------------------------|-------------------------|
| Long-Term Monitoring Micropurge Sample | MW-27R | 11/6/2019 | 15.0 | 7.47 | 776.0 | 17.20 | 2.17 | 211.0 | 6.45 |
| | MW-28R | 11/8/2019 | 15.0 | 7.05 | 1,627.0 | 15.60 | 4.03 | 200.1 | 2.28 |
| | MW-29 | 11/8/2019 | 15.0 | 7.56 | 762.0 | 19.00 | 3.72 | 235.5 | 8.35 |
| | MW-101A | 11/9/2019 | 17.5 | 7.40 | 935.0 | 17.50 | 4.10 | 145.9 | 8.01 |
| | MW-104B | 11/6/2019 | 15.0 | 7.97 | 451.8 | 18.00 | 2.99 | 87.9 | 0.19 |
| | MW-105A | 11/6/2019 | 17.5 | 6.76 | 1,080.0 | 20.00 | 2.44 | 33.2 | 0.07 |
| | MW-105B | 11/8/2019 | 17.5 | 7.39 | 589.0 | 17.00 | 3.56 | 38.0 | 0.16 |
| | MW-108B | 11/7/2019 | 15.0 | 7.57 | 516.0 | 16.60 | 2.04 | -102.8 | 1.10 |
| | MW-109A | 11/6/2019 | 15.0 | 7.28 | 3,182.0 | 16.80 | 2.34 | 183.8 | 6.06 |
| | MW-109B | 11/9/2019 | 15.0 | 7.13 | 1,096.0 | 16.70 | 3.70 | -156.8 | 0.03 |
| | MW-110C | 11/7/2019 | 15.0 | 7.86 | 449.5 | 14.50 | 4.57 | -228.2 | 0.12 |
| | MW-111A | 11/6/2019 | 15.0 | 8.01 | 409.9 | 18.10 | 2.33 | 125.4 | 0.69 |
| | MW-113A | 11/11/2019 | 15.0 | 7.03 | 2,036.0 | 15.00 | 3.70 | 150.0 | 0.95 |
| | MW-114A | 11/10/2019 | 15.0 | 7.23 | 2,422.0 | 14.90 | 3.75 | 256.1 | 7.07 |
| | MW-115A | 11/10/2019 | 15.0 | 7.45 | 709.0 | 17.00 | 2.45 | 128.8 | 4.55 |
| | MW-116C | 11/9/2019 | 15.0 | 7.79 | 296.9 | 16.20 | 2.23 | 142.6 | 1.38 |
| | MW-123A | 11/11/2019 | 15.0 | 6.83 | 2,036.0 | 20.90 | 4.80 | -102.8 | 0.18 |
| | MW-123B | 11/11/2019 | 15.0 | 6.84 | 1,790.0 | 19.50 | 3.37 | -95.1 | 0.02 |
| | MW-124A | 11/11/2019 | 15.0 | 7.20 | 1,825.0 | 15.80 | 3.85 | 180.5 | 4.72 |
| | MW-124B | 11/9/2019 | 22.5 | 7.07 | 1,673.0 | 19.80 | 68.27 | 50.9 | 0.05 |
| | MW-125A | 11/8/2019 | 15.0 | 7.25 | 961.0 | 19.40 | 3.22 | 206.0 | 2.67 |
| | MW-126B | 11/10/2019 | 15.0 | 7.04 | 149.5 | 16.60 | 2.88 | -138.5 | 0.10 |
| | MW-127A | 11/10/2019 | 15.0 | 7.30 | 1,706.0 | 18.90 | 4.12 | -62.6 | 0.27 |
| | MW-127B | 11/9/2019 | 15.0 | 7.90 | 389.9 | 15.00 | 2.74 | 187.4 | 0.30 |
| | DPE-104 | 11/7/2019 | 15.0 | 7.52 | 1,113.0 | 16.80 | 4.82 | -79.5 | 0.34 |
| | DPE-302 | 11/7/2019 | 15.0 | 7.51 | 672.0 | 15.30 | 2.58 | -53.2 | 0.17 |
| | GWEX-002 | 11/11/2019 | 15.0 | 7.23 | 247.6 | 17.40 | 2.81 | -102.8 | 0.14 |
| | GWEX-004 | 11/8/2019 | 15.0 | 7.12 | 966.0 | 19.00 | 3.59 | -98.1 | 0.12 |
| | GWEX-005 | 11/7/2019 | 15.0 | 7.23 | 1,197.0 | 17.30 | 2.57 | 24.3 | 0.12 |
| | GWEX-006 | 11/10/2019 | 15.0 | 7.41 | 782.0 | 17.10 | 4.15 | 148.5 | 3.31 |

| | | | | | | |
|------------------|------|---------|-------|-------|--------|------|
| Minimum | 6.76 | 149.5 | 14.50 | 2.04 | -228.2 | 0.02 |
| Maximum | 8.01 | 3,182.0 | 20.90 | 68.27 | 256.1 | 8.35 |
| Average | 7.35 | 1,094.9 | 17.30 | 5.46 | 50.5 | 2.00 |
| Std. Dev. | 0.33 | 724.9 | 1.68 | 11.89 | 139.5 | 2.71 |

Abbreviations:

µmhos/cm = Micro-mhos per centimeter
 °C = Degrees Celsius
 mg/L = Milligrams per liter
 mV = Millivolts
 NTU = Nephelometric turbidity units

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**TABLE 4A
GROUNDWATER VOC ANALYTICAL RESULTS - FEBRUARY 2019
STEAD SOLVENT SITE OU1**

| Sampling Method | Well ID | Sampling Date | Concentration (in µg/L) | | | | | | | | | | | | | | | | | | |
|---------------------|----------|---------------|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------------|------------|---------------|---------------|--------------|-------------|-----------|---------------|-----------------------|---------------|
| | | | Vinyl Chloride | 1,1-DCE* | trans-1,2-DCE | MTBE | 1,1-DCA* | cis-1,2-DCE | Chloroform | 1,2-DCA* | 1,1,1-TCA* | CCl ₄ * | Benzene* | TCE* | 1,1,2-TCA* | Toluene | EDB* | PCE | Ethyl-benzene | m,p-Xylene | o-Xylene |
| EPA Micropurge | MW-27R | 2/7/2019 | <1 | 0.96 J | <1 | <1 | 1.0 | 3.8 | <1 | <1 | <1 | <1 | <1 | 21 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-28R | 2/7/2019 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 17 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-29 | 2/8/2019 | <1 | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | 0.64 J | <1 | <1 | 38 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-101A | 2/8/2019 | <1 | 9.2 | <1 | <1 | <1 | <1 | <1 | <1 | 0.92 J | <1 | <1 | 56 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-104B | 2/6/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-105B | 2/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.92 J | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-109A | 2/6/2019 | <1 | 12 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.52 J | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-109B | 2/8/2019 | <1 | 6.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.0 | 0.63 J | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-110C | 2/6/2019 | <1 | 1.7 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <1 | <1 | 5.4 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-111A | 2/6/2019 | <1 | 5.8 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.7 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-113A | 2/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-114A | 2/9/2019 | <2 | <2 | <2 | <1 | <2 | <2 | 1.3 J | <2 | <2 | <2 | <1 | 190 | <2 | <1 | <8 | <2 | <1 | <1 | |
| | MW-115A | 2/9/2019 | <3 | 29 | <3 | <1.5 | <3 | <3 | <3 | <3 | 1.7 J | <3 | <1.5 | 270 | <3 | <1.5 | <12 | <3 | <1.5 | <1.5 | |
| | MW-123A | 2/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 100 | <1 | <1 | 15 | <4 | <1 | 33 | 120 | 52 |
| | MW-123B | 2/10/2019 | <1 | 0.74 J | 1.4 | <1 | <1 | 0.97 J | <1 | 1.6 | <1 | <1 | 11 | 60 | <1 | <1 | <4 | <1 | <1 | 3.6 | 0.54 J |
| | MW-124B | 2/8/2019 | <1 | 44 | <1 | <1 | 3.8 | 0.63 J | <1 | <1 | <1 | <1 | <1 | 2.6 | 0.69 J | <1 | <2 | <1 | <1 | <1 | <1 |
| | MW-125A | 2/8/2019 | <1 | 4.6 | <1 | <1 | <1 | <1 | 0.57 J | <1 | <1 | <1 | <1 | 75 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| | MW-127B | 2/8/2019 | <1 | 16 | <1 | <1 | 0.87 J | 0.95 J | <1 | <1 | 1.0 | <1 | <1 | 95 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| | DPE-104 | 2/6/2019 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | <1 | 3.2 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| | DPE-302 | 2/7/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.0 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| GWEX-004 | 2/7/2019 | <1 | 1.2 | <1 | <1 | <1 | 14 | <1 | <1 | <1 | <1 | <1 | 16 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| GWEX-005 | 2/7/2019 | <1 | 12 | <1 | <1 | 0.74 J | <1 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <1 | 1.0 J | <1 | <1 | <1 | <1 | |
| GWEX-006 | 2/9/2019 | <3 | 29 | <3 | <1.5 | <3 | 17 | <3 | <3 | 1.6 J | <3 | <1.5 | 260 | <3 | <1.5 | <12 | <3 | <1.5 | <1.5 | <1.5 | |
| MCL (µg/L): | | | 2 | 7 | 100 | NA | NA | 70 | 80 | 5 | 200 | 5 | 5 | 5 | 5 | 1,000 | 0.05 | 5 | 700 | 10,000 (total) | |
| ACL (µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 37.5 | NA | NA | NA | NA | NA | NA | |
| RBCG (µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 210 | NA | NA | NA | NA | NA | NA | |

Abbreviations

| | | | | |
|---|---------------------------------------|---|--------------------------------|---------------------------------|
| µg/L = Micrograms per liter | DCA = Dichloroethane | J = Analyte was positively identified; value is the approximate concentration of the analyte in the sample. | MTBE = Methyl-tert Butyl Ether | TCA = Trichloroethane |
| ACL = Alternative Concentration Limit | DCE = Dichloroethene | MCL = Maximum Contaminant Level | NA = Not applicable | TCE = Trichloroethene |
| CCl ₄ = Carbon Tetrachloride | EDB = Ethylene Dibromide | | PCE = Tetrachloroethene | VOC = Volatile Organic Compound |
| COPC = Chemical of Potential Concern | EPA = Environmental Protection Agency | | RBCG = Risk-based cleanup goal | |

Notes

1. Detected results are in bold. Values in excess of the MCL are formatted in bold and highlighted, however the site ACL is 37.5 µg/L and the RBCG is 210 µg/L for TCE.
2. COPC's have been identified with an asterisk.
3. Non-detect analytical results are presented as less than the Reporting Limit.

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**TABLE 4B
GROUNDWATER VOC ANALYTICAL RESULTS - MAY 2019
STEAD SOLVENT SITE OU1**

| Sampling Method | Well ID | Sampling Date | Concentration (in µg/L) | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----------|---------------|-------------------------|----------|---------------|------|----------|-------------|------------|----------|------------|--------------------|----------|--------|------------|---------|------|--------|--------|--------------|------------|----------|----|
| | | | Vinyl Chloride | 1,1-DCE* | trans-1,2-DCE | MTBE | 1,1-DCA* | cis-1,2-DCE | Chloroform | 1,2-DCA* | 1,1,1-TCA* | CCl ₄ * | Benzene* | TCE* | 1,1,2-TCA* | Toluene | EDB* | EDB*† | PCE | Ethylbenzene | m,p-Xylene | o-Xylene | |
| EPA Micropurge | LDI-1A | 5/15/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2.6 | <1 | <1 | 1.9 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 | |
| | MW-12 | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-21 | 5/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-22R | 5/12/2019 | <1 | 0.56 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 | |
| | MW-27R | 5/12/2019 | <1 | 2.2 | <1 | <1 | 2.2 | 6.8 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 | |
| | MW-28R | 5/12/2019 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-29 | 5/13/2019 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-30 | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 | |
| | MW-101A | 5/14/2019 | <1 | 18 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <1 | 99 | <1 | <1 | <4 | 0.098 | <1 | <1 | <1 | <1 |
| | MW-101B | 5/11/2019 | <1 | 6.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 1.2 | <1 | <1 | <1 | <1 | |
| | MW-102A | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-102B | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-102C | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-104A | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 | |
| | MW-104B | 5/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-104C | 5/10/2019 | <1 | 3.4 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.56 J | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-105A | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | 5.1 | 3.7 | 1.1 | |
| | MW-105B | 5/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.0 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 |
| | MW-105C | 5/15/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.020 | -- | -- | -- | -- | -- |
| | MW-108A | 5/8/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 |
| | MW-108B | 5/11/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 |
| | MW-108C | 5/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 |
| | MW-109A | 5/11/2019 | <1 | 0.99 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 0.042 | <1 | <1 | <1 | <1 |
| | MW-109B | 5/14/2019 | <1 | 28 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | 1.8 | 2.4 | <1 | <1 | <2 | 0.50 | <1 | <1 | <1 | <1 |
| | MW-109C | 5/15/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.020 | -- | -- | -- | -- | -- |
| | MW-110A | 5/11/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 3.6 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-110C | 5/11/2019 | <1 | 2.0 | <1 | <1 | 1.0 | 0.55 J | <1 | <1 | <1 | <1 | <1 | <1 | 4.9 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-111A | 5/11/2019 | <1 | 3.2 | <1 | <1 | 0.54 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.87 J | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-111B | 5/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-111C | 5/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-113A | 5/15/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 0.067 | <1 | <1 | <1 | <1 |
| | MW-114A | 5/14/2019 | <2 | <2 | <2 | <1 | <2 | <2 | 1.8 J | <2 | <2 | <2 | <1 | 190 | <2 | <1 | <8 | -- | <2 | <1 | <1 | <1 | <1 |
| MW-115A | 5/14/2019 | <3 | 41 | <3 | <1.5 | <3 | <3 | <3 | <3 | 2.2 J | <3 | <1.5 | 330 | <3 | <1.5 | <12 | 0.28 | <3 | <1.5 | <1.5 | <1.5 | <1.5 | |
| MW-116C | 5/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 | | |
| MW-117A | 5/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.9 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 | |
| MW-118A | 5/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 | |
| MW-123A | 5/16/2019 | <10 | <10 | <10 | <5 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 1,400 | <10 | <10 | 210 | <40 | <0.020 | <10 | 100 | 440 | 200 | |
| MW-123B | 5/16/2019 | <1 | 0.92 J | 1.6 | <1 | <1 | <1 | 1.2 | <1 | 2.2 | <1 | <1 | 46 | 68 | <1 | 0.66 J | <4 | 0.74 | <1 | 0.58 J | 4.8 | 0.68 J | |
| MW-124A | 5/12/2019 | <1 | 10 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.58 J | <1 | <1 | <2 | 6.8 | <1 | <1 | <1 | <1 | |
| MW-124B | 5/13/2019 | <1 | 60 | <1 | <1 | 5.9 | 0.94 J | <1 | 0.53 J | <1 | <1 | <1 | <1 | 3.0 | <1 | <1 | <2 | 0.64 | <1 | <1 | <1 | <1 | |
| MW-125A | 5/13/2019 | <1 | 4.2 | <1 | <1 | <1 | <1 | <1 | 0.68 J | <1 | <1 | <1 | <1 | 55 | <1 | <1 | <2 | 1.6 | <1 | <1 | <1 | <1 | |

**TABLE 4B
GROUNDWATER VOC ANALYTICAL RESULTS - MAY 2019
STEAD SOLVENT SITE OU1**

| Sampling Method | Well ID | Sampling Date | Concentration (in µg/L) | | | | | | | | | | | | | | | | | | |
|---------------------|-----------|---------------|-------------------------|---------------|---------------|---------------|------------|---------------|------------|--------------|---------------|--------------------|-----------|-------------|------------|--------------|--------------|-------------|------------|--------------|-----------------------|
| | | | Vinyl Chloride | 1,1-DCE* | trans-1,2-DCE | MTBE | 1,1-DCA* | cis-1,2-DCE | Chloroform | 1,2-DCA* | 1,1,1-TCA* | CCl ₄ * | Benzene* | TCE* | 1,1,2-TCA* | Toluene | EDB* | EDB*† | PCE | Ethylbenzene | m,p-Xylene |
| EPA Micropurge | MW-125B | 5/10/2019 | <1 | 0.94 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 0.057 | <1 | <1 | <1 | <1 |
| | MW-126A | 5/10/2019 | <1 | 2.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 0.63 | <1 | <1 | <1 | <1 |
| | MW-126B | 5/11/2019 | <1 | 4.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 1.4 | <1 | <1 | <1 | <1 |
| | MW-127A | 5/11/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-127B | 5/14/2019 | <1 | 13 | <1 | <1 | 1.2 | 0.55 J | <1 | <1 | 0.57 J | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-133A | 5/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | MW-133B | 5/10/2019 | <1 | 3.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | DPE-101 | 5/13/2019 | <1 | 0.62 J | <1 | <1 | <1 | 16 | <1 | <1 | <1 | 4.3 | 76 | <1 | <1 | <2 | -- | <1 | 4.1 | <1 | <1 |
| | DPE-102 | 5/13/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.020 | -- | -- | -- | -- |
| | DPE-104 | 5/11/2019 | <1 | <1 | <1 | <1 | <1 | 2.0 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | -- | <1 | <1 | <1 | <1 |
| | DPE-105 | 5/12/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <4 | <0.020 | <1 | <1 | <1 | <1 |
| | DPE-106 | 5/13/2019 | <1 | <1 | <1 | <1 | <1 | 3.3 | 1.6 | <1 | <1 | <1 | <1 | <1 | <1 | <4 | -- | <1 | <1 | <1 | <1 |
| | DPE-301 | 5/12/2019 | <1 | <1 | <1 | <1 | <1 | 13 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 |
| | DPE-302 | 5/12/2019 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <0.020 | <1 | <1 | <1 | <1 |
| | GWEX-001 | 5/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 8.2 | <1 | <1 | <1 | <1 |
| | GWEX-002 | 5/16/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.020 | -- | -- | -- | -- |
| | GWEX-003 | 5/15/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | <0.020 | -- | -- | -- | -- |
| | GWEX-004 | 5/12/2019 | <1 | 1.9 | <1 | <1 | <1 | 12 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 0.028 | <1 | <1 | <1 | <1 |
| GWEX-005 | 5/12/2019 | <1 | 9.6 | <1 | <1 | 0.67 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 4.5 | <1 | <1 | <1 | <1 | |
| GWEX-006 | 5/14/2019 | <2 | 27 | <2 | <1 | <2 | 23 | 1.4 J | <2 | 1.5 J | <2 | <1 | <1 | <1 | <8 | 0.47 | <2 | <1 | <1 | <1 | |
| MCL (µg/L): | | | 2 | 7 | 100 | NA | NA | 70 | 80 | 5 | 200 | 5 | 5 | 5 | 5 | 1,000 | 0.05 | 0.05 | 5 | 700 | 10,000 (total) |
| ACL (µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 37.5 | NA | NA | NA | NA | NA | NA | NA |
| RBCG (µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 210 | NA | NA | NA | NA | NA | NA | NA |

Abbreviations

| | | | | |
|---|---------------------------------------|---|--------------------------------|---|
| µg/L = Micrograms per liter | DCA = Dichloroethane | J = Analyte was positively identified; value is the approximate concentration of the analyte in the sample. | MTBE = Methyl-tert Butyl Ether | TCA = Trichloroethane |
| ACL = Alternative Concentration Limit | DCE = Dichloroethene | MCL = Maximum Concentration Limit | NA = Not applicable | TCE = Trichloroethene |
| CCl ₄ = Carbon Tetrachloride | EDB = Ethylene Dibromide | | NS = Not sampled | VOC = Volatile Organic Compound |
| COPC = Chemical of Potential Concern | EPA = Environmental Protection Agency | | PCE = Tetrachloroethene | -- = Analysis not required. Location not scheduled to be sampled for the analytical method. |
| | | | RBCG = Risk-based cleanup goal | |

Notes

1. Detected results are in bold. Values in excess of the MCL are formatted in bold and highlighted, however the site ACL is 37.5 µg/L and the RBCG is 210 µg/L for TCE.
2. COPC's have been identified with an asterisk.
3. Non-detect analytical results are presented as less than the Reporting Limit.
4. EPA analytical method 504.1 EDB analysis results are indicated with a dagger symbol (†). All other EDB results are from EPA method 8260B.
5. MW-23 was scheduled to be sampled in May 2019, but there was an insufficient volume of water to collect a sample.

**TABLE 4C
GROUNDWATER VOC ANALYTICAL RESULTS - AUGUST 2019
STEAD SOLVENT SITE OU1**

| Sampling Method | Well ID | Sampling Date | Concentration (in µg/L) | | | | | | | | | | | | | | | | | | |
|---------------------|-----------|---------------|-------------------------|---------------|---------------|-----------|---------------|---------------|---------------|---------------|---------------|--------------------|--------------|---------------|------------|--------------|--------------|-----------|--------------|-----------------------|------------|
| | | | Vinyl Chloride | 1,1-DCE* | trans-1,2-DCE | MTBE | 1,1-DCA* | cis-1,2-DCE | Chloroform | 1,2-DCA* | 1,1,1-TCA* | CCl ₄ * | Benzene* | TCE* | 1,1,2-TCA* | Toluene | EDB* | PCE | Ethylbenzene | m,p-Xylene | o-Xylene |
| EPA Micropurge | MW-23 | 8/14/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-27R | 8/16/2019 | <1 | 2.0 | <1 | <1 | 1.8 | 7.8 | 1.4 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-28R | 8/15/2019 | <1 | 0.70 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-29 | 8/15/2019 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-101A | 8/16/2019 | <1 | 8.6 | <1 | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-104B | 8/14/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-109A | 8/14/2019 | <1 | 0.55 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-109B | 8/17/2019 | <1 | 19 | <1 | <1 | 0.79 J | <1 | <1 | <1 | <1 | <1 | 2.0 | 1.9 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-110C | 8/15/2019 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.7 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-111A | 8/14/2019 | <1 | 0.80 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.65 J | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-113A | 8/17/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| | MW-114A | 8/16/2019 | <1 | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <1 | <1 | 120 | <1 | <1 | <4 | <1 | <1 | <1 | |
| | MW-115A | 8/17/2019 | <2 | 29 | <2 | <1 | <2 | <2 | <2 | <2 | 1.9 J | <2 | <1 | 210 | <2 | <1 | <8 | <2 | <1 | <1 | |
| | MW-123A | 8/17/2019 | <20 | <20 | <20 | <10 | <20 | <20 | <20 | <20 | <20 | <20 | 2,000 | <20 | <20 | 520 | <80 | <20 | 200 | 660 | 350 |
| | MW-123B | 8/17/2019 | <1 | 0.73 J | 1.3 | <1 | <1 | 1.7 | <1 | 1.9 | <1 | <1 | 4.7 | 53 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| | MW-124B | 8/16/2019 | <1 | 82 | <1 | <1 | 6.8 | 1.4 | <1 | 0.81 J | 0.68 J | <1 | <1 | 5.5 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| | MW-125A | 8/16/2019 | <1 | 15 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | 1.6 J | <1 | <1 | <1 | <1 |
| | MW-127B | 8/16/2019 | <1 | 9.1 | <1 | <1 | 0.78 J | <1 | <1 | <1 | <1 | <1 | <1 | 58 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| | DPE-104 | 8/14/2019 | <1 | <1 | <1 | <1 | <1 | 0.75 J | <1 | <1 | <1 | <1 | <1 | 5.4 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| | DPE-302 | 8/15/2019 | <1 | <1 | <1 | <1 | <1 | 1.9 | <1 | <1 | <1 | <1 | <1 | 3.3 | <1 | <1 | <2 | <1 | <1 | <1 | <1 |
| GWEX-004 | 8/15/2019 | <1 | 2.0 | <1 | <1 | <1 | 15 | <1 | 0.53 J | <1 | <1 | <1 | 28 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| GWEX-005 | 8/15/2019 | <1 | 10 | <1 | <1 | <1 | 0.54 J | <1 | <1 | <1 | <1 | <1 | 1.4 | <1 | <1 | <2 | <1 | <1 | <1 | <1 | |
| GWEX-006 | 8/17/2019 | <2 | 26 | <2 | <1 | <2 | 16 | 1.7 J | <2 | 1.8 J | <2 | <1 | 200 | <2 | <1 | <8 | <2 | <1 | <1 | <1 | |
| MCL (µg/L): | | | 2 | 7 | 100 | NA | NA | 70 | 80 | 5 | 200 | 5 | 5 | 5 | 5 | 1,000 | 0.05 | 5 | 700 | 10,000 (total) | |
| ACL (µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 37.5 | NA | NA | NA | NA | NA | NA | |
| RBCG (µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 210 | NA | NA | NA | NA | NA | NA | |

Abbreviations

| | | | | |
|---|---------------------------------------|---|--------------------------------|---------------------------------|
| µg/L = Micrograms per liter | DCA = Dichloroethane | J = Analyte was positively identified; value is the approximate concentration of the analyte in the sample. | MTBE = Methyl-tert Butyl Ether | TCA = Trichloroethane |
| ACL = Alternative Concentration Limit | DCE = Dichloroethene | MCL = Maximum Concentration Limit | NA = Not applicable | TCE = Trichloroethene |
| CCl ₄ = Carbon Tetrachloride | EDB = Ethylene Dibromide | RBCG = Risk-based cleanup goal | PCE = Tetrachloroethene | VOC = Volatile Organic Compound |
| COPC = Chemical of Potential Concern | EPA = Environmental Protection Agency | | | |

Notes

1. Detected results are in bold. Values in excess of the MCL are formatted in bold and highlighted, however the site ACL is 37.5 µg/L and the RBCG is 210 µg/L for TCE.
2. COPC's have been identified with an asterisk.
3. Non-detect analytical results are presented as less than the Reporting Limit.

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**TABLE 4D
GROUNDWATER VOC ANALYTICAL RESULTS - NOVEMBER 2019
STEAD SOLVENT SITE OU1**

| Sampling Method | Well ID | Sampling Date | Concentration (in µg/L) | | | | | | | | | | | | | | | | | | |
|--------------------|------------|---------------|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------------|--------------|---------------|------------|---------------|--------------|-----------|--------------|-----------------------|---------------|
| | | | Vinyl Chloride | 1,1-DCE* | trans-1,2-DCE | MTBE | 1,1-DCA* | cis-1,2-DCE | Chloroform | 1,2-DCA* | 1,1,1-TCA* | CCl ₄ * | Benzene* | TCE* | 1,1,2-TCA* | Toluene | EDB* | PCE | Ethylbenzene | m,p-Xylene | o-Xylene |
| EPA Micropurge | MW-27R | 11/6/2019 | <1 | 2.3 | <1 | <1 | 2.2 | 7.0 | 1.5 | <1 | <1 | <1 | <1 | 34 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-28R | 11/8/2019 | <1 | 0.84 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 11 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-29 | 11/8/2019 | <1 | 4.6 | <1 | <1 | <1 | <1 | <1 | <1 | 0.74 J | <1 | <1 | 34 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-101A | 11/9/2019 | <1 | 7.6 | <1 | <1 | <1 | <1 | <1 | <1 | 0.83 J | <1 | <1 | 46 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-104B | 11/6/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-105A | 11/6/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.57 J | <2 | <1 | 8.8 | 8.4 | 0.69 J |
| | MW-105B | 11/8/2019 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <1 | <1 | <1 | <1 | 68 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-108B | 11/7/2019 | <1 | 2.4 | <1 | <1 | <1 | 0.59 J | <1 | <1 | <1 | <1 | <1 | 1.3 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-109A | 11/6/2019 | <1 | 0.58 J | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-109B | 11/9/2019 | <1 | 24 | <1 | <1 | 0.92 J | <1 | <1 | <1 | <1 | <1 | 1.6 | 2.8 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-110C | 11/7/2019 | <1 | 1.4 | <1 | <1 | 0.80 J | 0.59 J | <1 | <1 | <1 | <1 | <1 | 4.5 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-111A | 11/6/2019 | <1 | 4.6 | <1 | <1 | 1.0 | <1 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-113A | 11/11/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-114A | 11/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | 1.2 | <1 | <1 | <1 | <1 | 110 | <1 | <1 | <4 | <1 | <1 | <1 | |
| | MW-115A | 11/10/2019 | <2 | 29 | <2 | <1 | <2 | <2 | 1.0 J | <2 | 1.9 J | <2 | <1 | 240 | <2 | <1 | <8 | <2 | <1 | <1 | |
| | MW-116C | 11/9/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-123A | 11/11/2019 | <20 | <20 | <20 | <10 | <20 | <20 | <20 | <20 | <20 | <20 | 2,400 | <20 | <20 | 160 | <80 | <20 | 270 | 870 | 430 |
| | MW-123B | 11/11/2019 | <1 | 0.74 J | 1.1 | <1 | <1 | 3.8 | <1 | 1.8 | <1 | <1 | 8.1 | 53 | <1 | 0.68 J | <4 | <1 | <1 | 1.4 | <1 |
| | MW-124A | 11/11/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-124B | 11/9/2019 | <1 | 47 | <1 | <1 | 4.9 | 0.84 J | <1 | <1 | <1 | <1 | <1 | 3.1 | <1 | <1 | 1.2 J | <1 | <1 | <1 | |
| | MW-125A | 11/8/2019 | <1 | 4.8 | <1 | <1 | <1 | <1 | 0.92 J | <1 | <1 | <1 | <1 | 59 | <1 | <1 | 1.3 J | <1 | <1 | <1 | |
| | MW-126B | 11/10/2019 | <1 | 3.1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 0.74 J | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-127A | 11/10/2019 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 6.1 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | MW-127B | 11/9/2019 | <1 | 17 | <1 | <1 | 1.1 | 0.90 J | <1 | <1 | 0.95 J | <1 | <1 | 86 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | DPE-104 | 11/7/2019 | <1 | <1 | <1 | <1 | <1 | 0.62 J | <1 | <1 | <1 | <1 | <1 | 7.8 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | DPE-302 | 11/7/2019 | <1 | <1 | <1 | <1 | <1 | 1.6 | <1 | <1 | <1 | <1 | <1 | 3.5 | <1 | <1 | <2 | <1 | <1 | <1 | |
| | GWEX-002 | 11/11/2019 | <2 | <2 | <2 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | 190 | 1.1 J | <2 | 72 | <8 | <2 | 46 | 96 | 51 |
| | GWEX-004 | 11/8/2019 | <1 | 3.0 | <1 | <1 | <1 | 26 | <1 | <1 | <1 | <1 | <1 | 22 | <1 | <1 | <2 | <1 | <1 | <1 | |
| GWEX-005 | 11/7/2019 | <1 | 12 | <1 | <1 | 0.87 J | <1 | <1 | <1 | <1 | <1 | <1 | 1.5 | <1 | <1 | 1.2 J | <1 | <1 | <1 | | |
| GWEX-006 | 11/10/2019 | <2 | 31 | <2 | <1 | <2 | 9.5 | 1.8 J | <2 | 1.9 J | <2 | <1 | 250 | <2 | <1 | <8 | <2 | <1 | <1 | | |
| MCL (µg/L): | | | 2 | 7 | 100 | NA | NA | 70 | 80 | 5 | 200 | 5 | 5 | 5 | 5 | 1,000 | 0.05 | 5 | 700 | 10,000 (total) | |
| ACL (µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 37.5 | NA | NA | NA | NA | NA | NA | |
| RBCG(µg/L): | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 210 | NA | NA | NA | NA | NA | NA | |

Abbreviations

| | | | |
|---|-----------------------------------|--------------------------------|---------------------------------|
| µg/L = Micrograms per liter | DCA = Dichloroethane | MTBE = Methyl-tert Butyl Ether | TCA = Trichloroethane |
| ACL = Alternative Concentration Limit | DCE = Dichloroethene | NA = Not applicable | TCE = Trichloroethene |
| CCl ₄ = Carbon Tetrachloride | EDB = Ethylene Dibromide | PCE = Tetrachloroethene | VOC = Volatile Organic Compound |
| COPC = Chemical of Potential Concern | MCL = Maximum Concentration Limit | RBCG = Risk-based cleanup goal | |

Notes

1. Detected results are in bold. Values in excess of the MCL are formatted in bold and highlighted, however the site ACL is 37.5 µg/L and the RBCG is 210 µg/L for TCE.

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**TABLE 5A
QUALITY ASSURANCE/QUALITY CONTROL SUMMARY (FEBRUARY 2019)
STEAD SOLVENT SITE OU1**

| QA/QC Sample | Sample Date | Analytical Results | Comments |
|---|----------------------------|---|---|
| Trip Blanks | | | |
| Lab ID: 1902051-01 (CoC ID: SSS-N-W-TripBlank-020619) | 2/6/2019 | ND for all Analytes | Trip Blanks were picked up at the lab prior to sampling, stored in coolers with the samples, and submitted to the lab for analysis along with each cooler delivery. Results indicate that samples were not affected by potential ambient contamination. |
| Lab ID: 1902057-01 (CoC ID: SSS-N-W-Tripblank-020919) | 2/9/2019 | | |
| Equipment Rinsate Sample | | | |
| Lab ID: 1902057-09 CoC ID: (SSS-N-W-Equip-021019) | 2/10/2019 | Dichloromethane detected at 2.2 µg/L | The Equipment Blank was collected following the decontamination procedure after sampling MW-123A. Dichloromethane was detected in the Equipment Blank sample, however, it was detected just above the laboratory reporting limit of 2.0 µg/L. Results indicate that decontamination procedures completed by field personnel were effective in removing potential contamination from sampling equipment. |
| Blind Duplicate Sample | | | |
| Lab ID: 1902051-08 (CoC ID: SSS-GW-MW-062-28-020719 a blind duplicate sample to GWEX-005) | 2/7/2019 | 1,1-Dichloroethene - 12 µg/L | Relative Percent Differences were: 0.0% for 1,1-DCE, TCE, and EDB and 2.7% for 1,1-DCA. The 30% RPD and/or the ± 2x the RL acceptance criteria were met. |
| | | 1,1-Dichloroethene - 0.76 J µg/L | |
| | | Trichloroethene - 1.7 µg/L | |
| | | EDB - 1.0 J µg/L | |
| MS/MSD Sample | | | |
| MS/MSD: (1902057-02AMS)/ (1902057-02AMSD) (MW-105B:1902057-02) | Analysis Date 2/14/2019 | Specific lab results and control limits presented in laboratory reports (Appendix I). | Percent Recoveries from spiked sample were within the laboratory control limits. Relative Percent Differences between matrix spike and matrix spike duplicate were within laboratory control limits. |
| MS/MSD: (1902051-02AMS)/ (1902051-02AMSD) (MW-104B:1902051-02) | Analysis Date 2/12/2019 | | Percent Recoveries from spiked sample were within the laboratory control limits. Relative Percent Differences between matrix spike and matrix spike duplicate were within laboratory control limits. |

Abbreviations:

µg/L = Microgram(s) per liter
 COC = Chemical of Concern
 CoC = Chain of Custody
 DCA = Dichloroethane
 DCE = Dichloroethene
 EDB = Ethylene dibromide

J = Analyte was positively identified; value is the approximate concentration of the analyte in the sample.
 ND = Not Detected (concentrations below detection limit)
 MS/MSD = Matrix Spike/Matrix Spike Duplicate
 RL = Reporting limit
 TCE = Trichloroethene

**TABLE 5B
QUALITY ASSURANCE/QUALITY CONTROL SUMMARY (MAY 2019)
STEAD SOLVENT SITE OU1**

| QA/QC Sample | Sample Date | Analytical Results | Comments |
|--|----------------------------|---|--|
| Trip Blanks | | | |
| Lab ID: 1905253-01 CoC ID: SSS-N-W-Tripblank-050819 | 5/8/2019 | ND for all Analytes | Trip Blanks were picked up at the lab prior to sampling, stored in coolers with the samples, and submitted to the lab for analysis along with each cooler delivery. Results indicate that samples were not affected by potential ambient contamination. |
| Lab ID: 1905375-01 CoC ID: SSS-N-W-Tripblank-051019 | 5/10/2019 | | |
| Lab ID: 1905591-01 CoC ID: SSS-N-W-Tripblank-051319 | 5/13/2019 | | |
| Equipment Rinsate Sample | | | |
| Lab ID: 1905375-09 (CoC ID: SSS-N-W-EquipBlank-051019) | 5/10/2019 | ND for all Analytes | The Equipment Blanks were collected following the decontamination procedure after sampling MW-133A, MW-27R, and MW-123A. Results indicate that decontamination procedures completed by field personnel were effective in removing potential contamination from sampling equipment. |
| Lab ID: 1905375-31 (CoC ID: SSS-N-W-EquipBlank-051219) | 5/12/2019 | | |
| Lab ID: 1905591-23 (CoC ID: SSS-N-W-EquipBlank-051619) | 5/16/2019 | | |
| Blind Duplicate Sample | | | |
| Lab ID: 1905253-10 (CoC ID: SSS-GW-MW-62-50-050819 a blind duplicate sample to MW-108A) | 5/8/2019 | ND for all Analytes | No analytes were detected in this duplicate pair. |
| Lab ID: 1905375-12 (CoC ID: SSS-GW-MW-63-45-051119 a blind duplicate sample to MW-101B) | 5/11/2019 | 1,1-DCE = 5.9 µg/L | The Relative Percent Difference was 5.0% for 1,1-DCE. The 30% RPD acceptance criterion was met. |
| Lab ID: 1905591-06 (CoC ID: SSS-GW-MW-64-25-051319 a blind duplicate sample to MW-125A) | 5/13/2019 | 1,1-DCE = 4.6 µg/L Chloroform = 0.63 J µg/L Trichloroethene = 58 µg/L | Relative Percent Differences were 9.1% for 1,1-DCE, 7.6% for Chloroform, and 5.3% for TCE. The 30% RPD and/or the ± 2x the RL acceptance criteria were met. |
| MS/MSD Samples | | | |
| MS/MSD 1905253-11AMS; 1905253-11AMSD (MW-108C:1905253-11) | Analysis Date 5/10/2019 | Specific lab results and control limits presented in laboratory report in Appendices. | Percent recoveries were within laboratory control limits for all analytes. Relative Percent Differences (RPDs) were outside of laboratory control limits for 16 analytes (MSD). |
| MS/MSD 1905375-16AMSD/ 18051162-16AMSD (MW-126B:1905375-16) | Analysis Date 5/16/2019 | | Percent Recoveries from spiked sample were within the lab's control limits. RPDs for all MS/MSD analytes were within control limits, except for Chloromethane (MSD). |
| MS/MSD 1905591-18AMS 1905591-08AMSD (MW-124B: 1905591-08) | Analysis Date 5/22/2019 | | Percent Recoveries from spiked sample were within the lab's control limits except for 1,1-DCE (MS). RPDs for all MS/MSD analytes were within control limits. |

Abbreviations:

µg/L = Microgram(s) per liter
 COC = Chemical of concern
 CoC = Chain of Custody
 DCE = Dichloroethene

J = Analyte was positively identified; value is the approximate concentration of the analyte in the sample.

MS/MSD = Matrix Spike/Matrix Spike Duplicate
 ND = Not detected
 RPD = Relative Percent Difference
 RL = Reporting Limit
 TCE = Trichloroethene

**TABLE 5C
QUALITY ASSURANCE/QUALITY CONTROL SUMMARY (AUGUST 2019)
STEAD SOLVENT SITE OUI**

| QA/QC Sample | Sample Date | Analytical Results | Comments |
|--|----------------------------|---|--|
| Trip Blanks | | | |
| Lab ID: 1908748-01 (CoC ID: SSS-N-W-Tripblank-081419) | 8/14/2019 | ND for all Analytes | Trip Blanks were picked up at the lab prior to sampling, stored in coolers with the samples, and submitted to the lab for analysis along with each cooler delivery. Results indicate that samples were not affected by potential ambient contamination. |
| Lab ID: 1908787-01 (CoC ID: SSS-N-W-Tripblank-081719) | 8/17/2019 | | |
| Equipment Rinsate Samples | | | |
| Lab ID: 1908748-20 (CoC ID: SSS-GW-Equipblank-081619) | 8/16/2019 | ND for all Analytes | The Equipment Blanks were collected following the decontamination procedures after sampling MW-123A and MW-114A. Results indicate that decontamination procedures completed by field personnel were effective in removing contamination above the reporting limit from sampling equipment. |
| Lab ID: 1908787-09 (CoC ID: SSS-GW-Equipblank-081719) | 8/17/2019 | | |
| Blind Duplicate Samples | | | |
| Lab ID: 1908748-14 (CoC ID: SSS-GW-MW-62-50-081619 a blind duplicate sample to MW-27R) | 8/16/2019 | 1,1-DCE = 2.0 µg/L; 1,1-DCA = 1.8 µg/L; cis-1,2-DCE = 7.8 µg/L; Chloroform = 1.4 µg/L; TCE = 49 µg/L | Relative Percent Differences for detected analytes were 0.0% for all analytes detected. The 30% RPD and/or the ± 2x the RL acceptance criteria were met. |
| Lab ID: 1908787-08 (CoC ID: SSS-GW-MW-63-50-081719 a blind duplicate sample to MW-123A) | 8/17/2019 | Benzene = 2,000 µg/L; Toluene = 460 µg/L; Ethylbenzene=190 µg/L; m,p-Xylene=620 µg/L; o-Xylene = 330 µg/L | Relative Percent Differences were 0.0% for Benzene, 12.2% for Toluene, 5.1% for Ethylbenzene, 6.3% for m,p-Xylene, and 5.9% for o-Xylene, all of which are below the 30% RPD acceptance criterion. |
| MS/MSD Samples | | | |
| MS/MSD: 1908748-13AMS/ 1908748-13AMSD (MW-27R:1908748-13) | Analysis Date 8/28/2019 | Specific lab results and control limits presented in laboratory reports (Appendix I). | Percent recoveries for spiked analytes were within laboratory control limits, except for TCE. Relative Percent Differences for matrix spike and matrix spike duplicate were within laboratory control limits. |
| MS/MSD: 1908787-07AMS/ 1908787-07AMSD (MW-123A:1908787-07) | Analysis Date 8/26/2019 | | Percent recoveries for spiked analytes were within laboratory control limits, except for Benzene. Relative Percent Differences for matrix spike and matrix spike duplicate were within laboratory control limits. |

Abbreviations:

µg/L = Microgram(s) per liter
 COC = Chemical of Concern
 CoC = Chain of Custody
 DCA = Dichloroethane
 DCE = Dichloroethene

ND = Not Detected (concentrations below detection limit)
 MS/MSD = Matrix Spike/Matrix Spike Duplicate
 QA/QC = Quality Assurance/Quality Control
 RL = Reporting limit
 TCE = Trichloroethene

**TABLE 5D
QUALITY ASSURANCE/QUALITY CONTROL SUMMARY (NOVEMBER 2019)
STEAD SOLVENT SITE OU1**

| QA/QC Sample | Sample Date | Analytical Results | Comments |
|--|-----------------------------|---|--|
| Trip Blanks | | | |
| Lab ID: 1911122-01 (CoC ID: SSS-N-W-Tripblank-110619) | 11/6/2019 | ND for all Analytes | Trip Blanks were picked up at the lab prior to sampling, stored in coolers with the samples, and submitted to the lab for analysis along with each cooler delivery. Results indicate that samples were not affected by ambient contamination or lab contamination. |
| Lab ID: 1911138-01 (CoC ID: SSS-N-W-Tripblank-110919) | 11/9/2019 | | |
| Equipment Rinsate Samples | | | |
| Lab ID: 1911138-18 (CoC ID: SSS-N-W-Equipblank-111119) | 11/11/2019 | ND for all Analytes | The Equipment Blanks were collected following the decontamination procedure after sampling MW-123A. Results indicate that decontamination procedures completed by field personnel were effective in removing potential contamination from sampling equipment. |
| Blind Duplicate Samples | | | |
| Lab ID: 1911122-12 (CoC ID: SSS-GW-MW-62-50-110819 a blind duplicate sample to MW-105B) | 11/8/2019 | cis-1,2-DCE = 1.3 µg/L; TCE = 63 µg/L | Relative Percent Differences for detected analytes were 16.7% for cis-1,2-DCE and 7.6% for TCE. The 30% RPD and/or the ± 2x the RL acceptance criteria were met. |
| Lab ID: 1911138-07 (CoC ID: SSS-GW-MW-63-25-111019 a blind duplicate sample to MW-114A) | 11/10/2019 | Chloroform = 1.1 µg/L; TCE = 110 µg/L | Relative Percent Differences for detected analytes were 8.7% for chloroform and 0.0% for TCE. The 30% RPD and/or the ± 2x the RL acceptance criteria were met. |
| MS/MSD Samples | | | |
| MS/MSD: 1911122-10AMS/ 1911122-10AMSD (MW-108B:1911122-10) | Analysis Date 11/20/2019 | Specific lab results and control limits presented in laboratory reports (Appendix I). | Percent Recoveries of spiked samples were within the laboratory control limits. Relative Percent Differences of all analytes in matrix spike and matrix spike duplicate were within laboratory control limits. |
| MS/MSD: 1911138-13AMS/ 1911138-13AMSD (MW-124A:1911138-13) | Analysis Date 11/20/2019 | | Percent Recoveries of spiked samples were within the laboratory control limits. Relative Percent Differences of all analytes in matrix spike and matrix spike duplicate were within laboratory control limits. |

Abbreviations:

µg/L = Microgram(s) per liter
 COC = Chemical of Concern
 CoC = Chain of Custody
 DCE = Dichloroethene
 ND = Not Detected

MS/MSD = Matrix Spike/Matrix Spike Duplicate
 RL = Reporting limit
 TCE = Trichloroethene

**TABLE 6
SAMPLING SCHEDULE FOR 2019
STEAD SOLVENT SITE OUI**

| Well | Horizon | Monitoring Well Region | Monitoring Objective References | Historical Sampling Frequency | | | | | | | | | | Proposed for 2019 (Year 15) | | | | | Additional Notes |
|---------|---------|--------------------------------------|---------------------------------|-------------------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|-----------------------------|--------|--------|--------|------------------------|-----------------------------------|
| | | | | Year 6 2010 | Year 7 2011 | Year 8 2012 | Year 9 2013 | Year 10 2014 | Year 11 2015 | Year 12 2016 | Year 13 2017 | Year 14 2018 | Frequency | Feb-19 | May-19 | Aug-19 | Nov-19 | Water Level Monitoring | |
| DM-1 | A | Western Area - Shallow | | | | | | | | | | | | | | | | X | Potentially Dry |
| LDI-1A | A | Source Area 2 - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | |
| LDI-1B | B | Source Area 2 - Mid Depth | | | | | | | | | | | | | | | | X | Potentially Dry |
| MW-01 | A | Southern Plume - Shallow | #6, #9 | | | | | | | | Biennially | Biennially | Biennially | | | | | X | Potentially Dry |
| MW-1A | A | Southern Plume - Shallow | | | | | | | | | | | | | | | | X | |
| MW-B1 | A | South Western Area - Shallow | | | | | | | | | | | | | | | | X | |
| P-1 | A | Western Area - Shallow | | | | | | | | | | | | | | | | X | |
| DM-2R | A | Western Area - Shallow | | | | | | | | | | | | | | | | X | |
| LDI-2A | A | Source Area 2 - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | | | | | X | |
| DM-3R | A | Western Area - Shallow | | | | | | | | | | | | | | | | X | |
| LDI-3A | A | Source Area 2 - Shallow | | | | | | | | | | | | | | | | X | Potentially Dry |
| LDI-3B | B | Source Area 2 - Mid Depth | | | | | | | | | | | | | | | | X | |
| LDI-4A | A | Source Area 2 - Shallow | | | | | | | | | | | | | | | | X | Potentially Dry |
| LDI-4B | B | Source Area 2 - Mid Depth | | | | | | | | | | | | | | | | X | |
| MW-07 | A | Southern Plume - Shallow | #6, #9 | Annually | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | | | | | X | |
| MW-12 | A | Northern Plume Area - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Annually | Annually | Annually | | | X | | X | |
| MW-13 | A | Western Area - Shallow | | | | | | | | | | | | | | | | X | Potentially Dry |
| MW-B13 | A | Northern Plume Perimeter - Shallow | | | | | | | | | | | | | | | | X | Typically Dry |
| MW-14 | A | Western Area - Shallow | | | | | | | | | | | | | | | | X | Typically Dry |
| MW-15 | A | Southern Plume - Shallow | | | | | | | | | | | | | | | | X | Typically Dry |
| MW-17 | A | Southern Area - Shallow | | | | | | | | | | | | | | | | X | |
| MW-19 | A | Southern Plume - Shallow | #6, #9 | Annually | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | | | | | X | |
| MW-20 | A | Southern Plume - Shallow | | | | | | | | | | | | | | | | X | Potentially Dry |
| MW-21 | A | Northern Plume Perimeter - Shallow | #3, #9 | | | | | | Annually | Annually | Annually | Annually | Annually | | | X | | X | |
| MW-22R | A | Southern Plume - Shallow | #6, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Biennially | Biennially | Annually | | | X | | X | |
| MW-23 | A | Southern Plume - Shallow | #6, #9 | | | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | Potentially Dry |
| MW-25 | A | Southern Plume - Shallow | #6, #9 | Annually | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | | | | | X | |
| MW-26 | A | Southern Plume - Shallow | | | | | | | | | | | | | | | | X | Parking Lot Low Spot |
| MW-27R | A | Northern Plume Perimeter - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | X | X | X | X | X | |
| MW-28R | A | Northern Plume Area - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | |
| MW-29 | A | Northern Plume Area - Shallow | #3, #9 | | | | | | | | Quarterly | Quarterly | Quarterly | X | X | X | X | X | Potentially Dry |
| MW-30 | A | Northern Plume Perimeter - Shallow | #3, #9 | | Annually | Annually | Annually | Biennially | Annually | Annually | Annually | Annually | Annually | | | X | | X | Typically Dry |
| MW-31 | A | Southern Plume - Shallow | #6, #9 | Annually | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | | | | | X | |
| MW-32 | A | Southern Plume - Shallow | #6, #9 | | | | | | | | Biennially | Biennially | Biennially | | | | | X | |
| MW-101A | A | Northern Plume Area - Shallow | #1, #8, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | |
| MW-101B | B | Northern Plume Area - Mid Depth | #2, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Annually | Annually | Annually | | | X | | X | |
| MW-102A | A | Source Area 3 - Shallow | #1, #7, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Annually | Annually | Annually | | | X | | X | May Lack Sufficient Water |
| MW-102B | B | Source Area 3 - Mid Depth | #2, #7, #9 | Semi-Ann. | Annually | Annually | Annually | Annually | Annually | Quarterly | Annually | Annually | Annually | | | X | | X | |
| MW-102C | C | Source Area 3 - Deep | #2, #9 | | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | |
| MW-103A | A | Northern Plume Perimeter - Shallow | | | | | | | | | | | | | | | | X | |
| MW-104A | A | Northern Plume Perimeter - Shallow | #3, #9 | | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | Typically Dry |
| MW-104B | B | Northern Plume Perimeter - Mid Depth | #3, #5, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | X | X | X | X | X | |
| MW-104C | C | Northern Plume Perimeter - Deep | #3, #5, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | |
| MW-105A | A | Northern Plume Perimeter - Shallow | #3, #4, #7, #9 | Annually | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Semi-Ann. | Semi-Ann. | Semi-Ann. | | | X | | X | |
| MW-105B | B | Northern Plume Perimeter - Mid Depth | #3, #4, #7, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Semi-Ann. | Semi-Ann. | Semi-Ann. | | | X | | X | |
| MW-105C | C | Northern Plume Perimeter - Deep | | | | | | | | | | | | | | | | X | |
| MW-106A | A | South Eastern Area - Shallow | | | | | | | | | | | | | | | | X | Access Limited Due to Pallet Yard |
| MW-107A | A | South Eastern Area - Shallow | | | | | | | | | | | | | | | | X | |
| MW-108A | A | Northern Plume Perimeter - Shallow | #3, #4, #7, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Annually | Annually | Annually | | | X | | X | |
| MW-108B | B | Northern Plume Perimeter - Mid Depth | #3, #4, #7, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Annually | Annually | Semi-Ann. | | | X | | X | |
| MW-108C | C | Northern Plume Perimeter - Deep | #3, #9 | | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | |
| MW-109A | A | Northern Plume Perimeter - Shallow | #3, #4, #7, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Quarterly | Quarterly | X | X | X | X | X | |
| MW-109B | B | Northern Plume Perimeter - Mid Depth | #3, #4, #7, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | Annually | Annually | Quarterly | Quarterly | X | X | X | X | X | |
| MW-109C | C | Northern Plume Perimeter - Deep | | | | | | | | | | | | | | | | X | |
| MW-110A | A | Northern Plume Perimeter - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | |
| MW-110B | B | Northern Plume Perimeter - Mid Depth | | | | | | | | | | | | | | | | X | |
| MW-110C | C | Northern Plume Perimeter - Deep | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | X | X | X | X | X | |
| MW-111A | A | Northern Plume Perimeter - Shallow | #3, #5, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | X | X | X | X | X | |
| MW-111B | B | Northern Plume Perimeter - Mid Depth | #3, #5, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | X | |

**TABLE 6
SAMPLING SCHEDULE FOR 2019
STEAD SOLVENT SITE OU1**

| Well | Horizon | Monitoring Well Region | Monitoring Objective References | Historical Sampling Frequency | | | | | | | | | Proposed for 2019 (Year 15) | | | | | Additional Notes | | |
|----------------------|---------|--------------------------------------|---------------------------------|-------------------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-----------------------------|-----------|--------|--------|--------|------------------|------------------------|---------------------------|
| | | | | Year 6 2010 | Year 7 2011 | Year 8 2012 | Year 9 2013 | Year 10 2014 | Year 11 2015 | Year 12 2016 | Year 13 2017 | Year 14 2018 | Frequency | Feb-19 | May-19 | Aug-19 | Nov-19 | | Water Level Monitoring | |
| MW-111C | C | Northern Plume Perimeter - Deep | #3, #5, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | | X | |
| MW-112A | A | Northern Area - Shallow | | | | | | | | | | | | | | | | | X | Potentially Dry |
| MW-112B | B | Northern Area - Mid Depth | #3, #4, #7, #9 | Annually | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | Biennially | | | | | | X | |
| MW-113A | A | Northern Area - Shallow | #3, #4, #7, #9 | Annually | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | |
| MW-114A | A | Source Area 1 - Shallow | #1, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | May Lack Sufficient Water |
| MW-114B | B | Source Area 1 - Mid Depth | #2, #7, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Biennially | Biennially | Biennially | | | | | | X | |
| MW-115A | A | Northern Plume Area - Shallow | #1, #8, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | |
| MW-116A | A | Northern Plume Perimeter - Shallow | | | | | | | | | | | | | | | | | X | Potentially Dry |
| MW-116C | C | Northern Plume Perimeter - Deep | #3, #5, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | | | X | | X | X | |
| MW-117A | A | Northern Plume Perimeter - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | | X | |
| MW-118A | A | Northern Plume Perimeter - Shallow | #3, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | | X | |
| MW-118C | C | Northern Plume Perimeter - Deep | | | | | | | | | | | | | | | | | X | |
| MW-120A | A | Northern Plume Perimeter - Shallow | | | | | | | | | | | | | | | | | X | |
| MW-121B | B | Northern Plume Perimeter - Mid Depth | | | | | | | | | | | | | | | | | X | |
| MW-123A | A | Source Area 2 - Shallow | #7, #9 | Annually | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | |
| MW-123B | B | Northern Plume Area - Mid Depth | #2, #7, #9 | Annually | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | |
| MW-124A | A | Northern Plume Area - Shallow | #3, #7, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | Annually | Semi-Ann. | Semi-Ann. | Semi-Ann. | | | X | | | X | |
| MW-124B | B | Northern Plume Area - Mid Depth | #2, #7, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | |
| MW-125A | A | Northern Plume Area - Shallow | #1, #7, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | |
| MW-125B | B | Northern Plume Area - Mid Depth | #2, #7, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Annually | Annually | Annually | | | X | | | X | |
| MW-126A | A | Northern Plume Area - Shallow | #1, #7, #8, #9 | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Semi-Ann. | Annually | Annually | Annually | | | X | | | X | |
| MW-126B | B | Northern Plume Area - Mid Depth | #2, #7, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Semi-Ann. | | | X | | X | X | |
| MW-127A | A | Northern Plume Area - Shallow | #8, #9 | | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Semi-Ann. | Semi-Ann. | Semi-Ann. | | X | | X | X | Potentially Dry |
| MW-127B | B | Northern Plume Area - Mid Depth | #2, #8, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Quarterly | Quarterly | Quarterly | Quarterly | X | X | X | X | X | X | |
| MW-133A | A | Northern Plume Perimeter - Shallow | #3, #4, #7, #9 | Semi-Ann. | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | | X | |
| MW-133B | B | Northern Plume Perimeter - Mid Depth | #3, #4, #7, #9 | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | Annually | | | X | | | X | |
| Total Samples | | | | 61 | 63 | 63 | 56 | 61 | 57 | 114 | 96 | 109 | 105 | 17 | 47 | 17 | 24 | 85 | | |

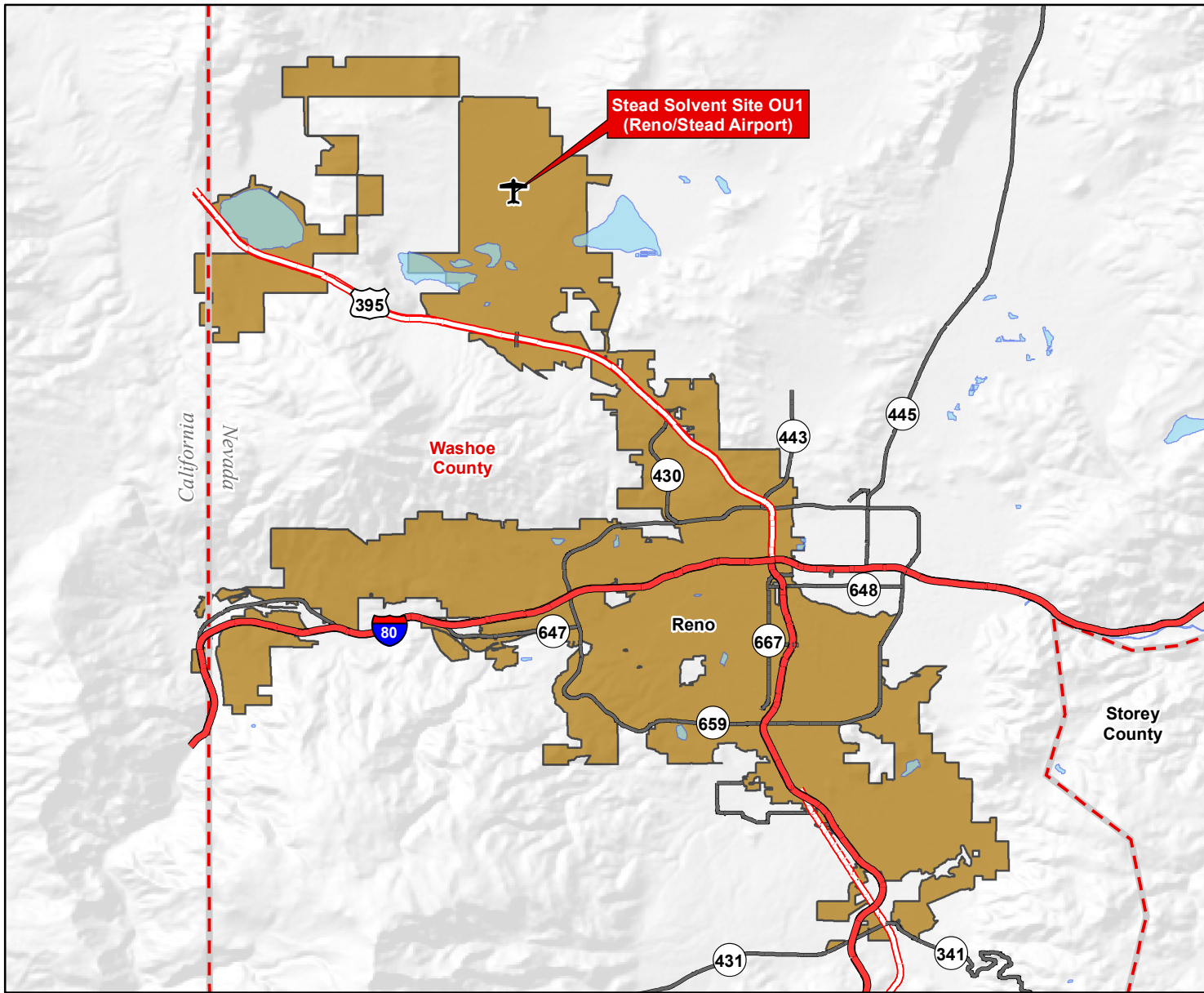
- Notes:**
- Quarterly events correspond with the months of February or March, May, August, and November. Semi-Annual events are in May and November. Annual and Biennial Events are to occur in May.
 - Biennial events to occur relative to 2012 with subsequent sample events in 2014, 2016, 2018, and so on.

Monitoring Objective References (Note, listed sample frequencies below are generalized and subject to the specific schedules provided in the above table)

- Objective #1:** VOC concentration tracking for Source Area and Northern Plume Area A-Horizon groundwater. This specifically includes all A-Horizon monitoring wells located within the TCE 37.5 µg/L isocontour.
- Objective #2:** VOC concentration tracking and vertical plume delineation for Source Area and Northern Plume Area B and C-Horizon groundwater. This specifically includes all B and C-Horizon monitoring wells located within, or near the TCE 37.5 µg/L isocontour.
- Objective #3:** VOC concentration tracking and horizontal/vertical plume delineation for selected A-, B-, and C-Horizon monitoring wells located near the Northern TCE Plume Perimeter
- Objective #4:** VOC concentration tracking of A-Horizon groundwater down-gradient of Source Area 1. This will better characterize the dynamic behavior of TCE and associated degradation products down-gradient of Source Area 1 as it is believed that the comingled TCE and petroleum plumes provide mutual biodegradation capacity.
- Objective #5:** VOC concentration tracking for specific A, B, and C-Horizon monitoring wells that exist between the plume and municipal water production well SLWDC-4 (sentinel wells).
- Objective #6:** VOC concentration tracking and horizontal plume delineation for A-Horizon monitoring wells located in the vicinity of the Southern Plume.
- Objective #7:** VOC concentration tracking for wells located near and down-gradient of the petroleum impacted area immediately downgradient of TCE Source Area 1
- Objective #8:** VOC Concentration rebound tracking during the Non-Operational Test.

FIGURES

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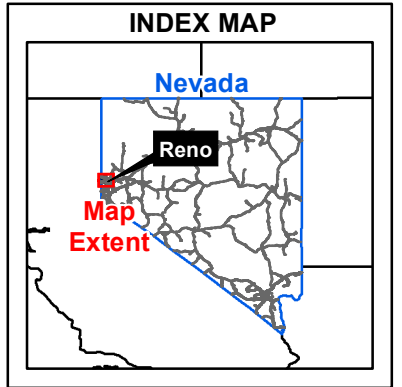
0 2 4 Miles

1 inch equals 4 miles

LEGEND

- Interstate
- = US Route
- State Route
- Washoe County Boundary
- City of Reno
- Water Body

Notes:
 Geographic data for the study area were projected using coordinate system World Geodetic System 1984 Universal Transverse Mercator Zone 11.



| | |
|-----------|-----------|
| DRAWN BY: | RCD |
| CHECKED: | ALE |
| APPROVED: | ALE |
| DATE: | 24 JUN 20 |
| JOB No.: | 4017 |
| GIS FILE: | Fig 1.mxd |

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|---------------|--|
| PREPARED BY: | |
| PREPARED FOR: | |

AEFC

www.americanconsultants.com
 3489 W. 2100 S., STE 150
 Salt Lake City, UT 84119

**STEAD SOLVENT SITE
 OPERABLE UNIT 1**

RENO, NEVADA

FIGURE 1
 SITE LOCATION MAP

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0 275 550 Feet
1 inch equals 550 feet

LEGEND

- ◆ Monitoring Well (Active)
- Monitoring Well (Abandoned)
- Approx. Trace of Fault Line
- - - - Stead Solvent Site OU1 Boundary

(1) Monitoring wells MW-121B and MW-121C are outside the aerial extent of the map.

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0 100 200 Feet
1 inch equals 200 feet

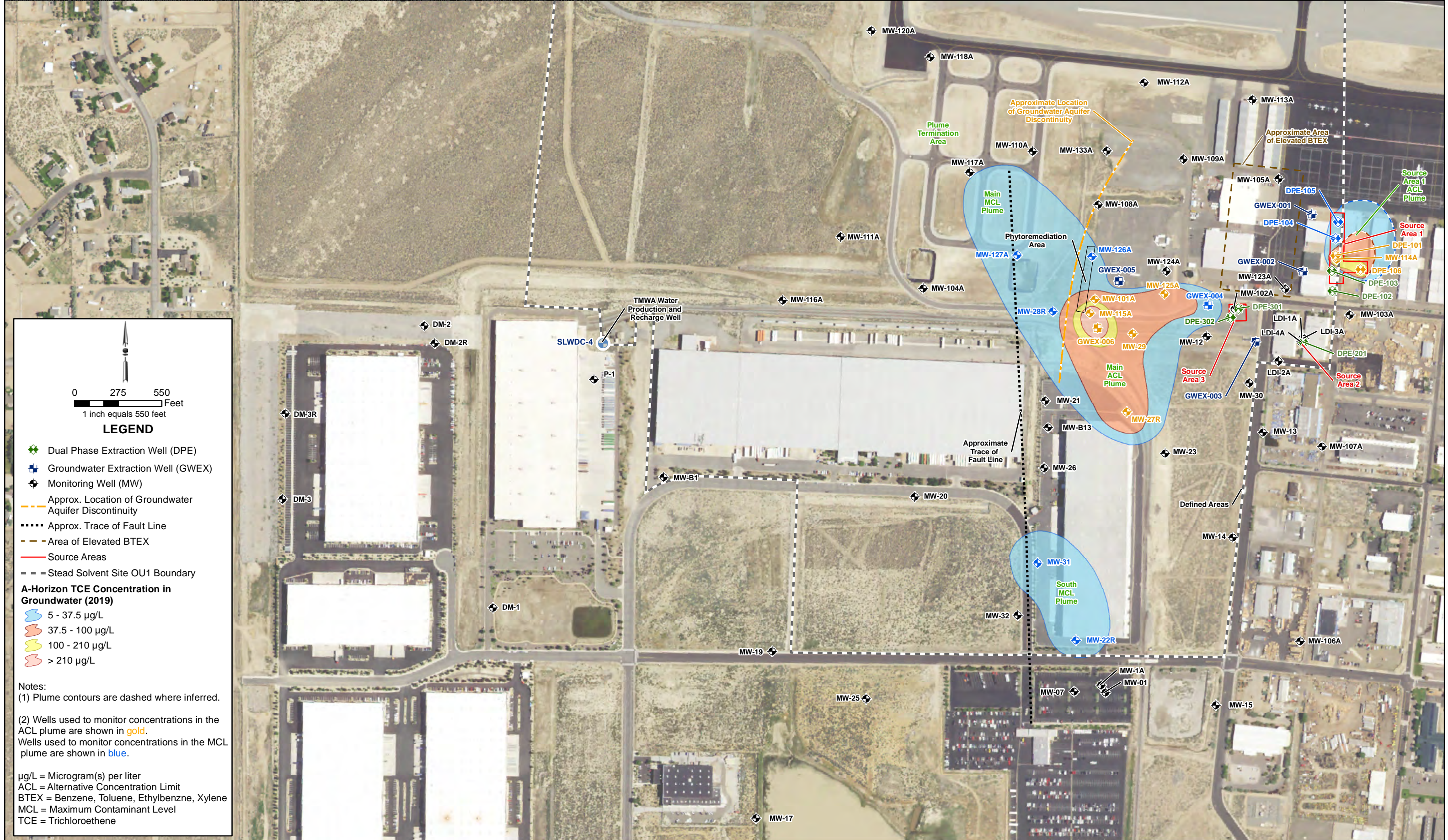
LEGEND

- Monitoring Well
- Dual Phase Extraction Well (DPE)
- Groundwater Extraction Well (GWEX)
- Soil Vapor Extraction Well (SVE)
- Vapor Monitoring Well (VM)
- Stead Solvent Site OU1 Boundary
- Remediation Piping



FIGURE 3
SITE PLAN WITH REMEDIAL INFRASTRUCTURE
2019 LONG-TERM MONITORING AND REMEDIATION PROGRESS REPORT
STEAD SOLVENT SITE OPERABLE UNIT 1, RENO, NEVADA

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0 275 550 Feet
1 inch equals 550 feet

LEGEND

- Dual Phase Extraction Well (DPE)
- Groundwater Extraction Well (GWEX)
- Monitoring Well (MW)
- Approx. Location of Groundwater Aquifer Discontinuity
- Approx. Trace of Fault Line
- Area of Elevated BTEX
- Source Areas
- Stead Solvent Site OU1 Boundary

A-Horizon TCE Concentration in Groundwater (2019)

- 5 - 37.5 µg/L
- 37.5 - 100 µg/L
- 100 - 210 µg/L
- > 210 µg/L

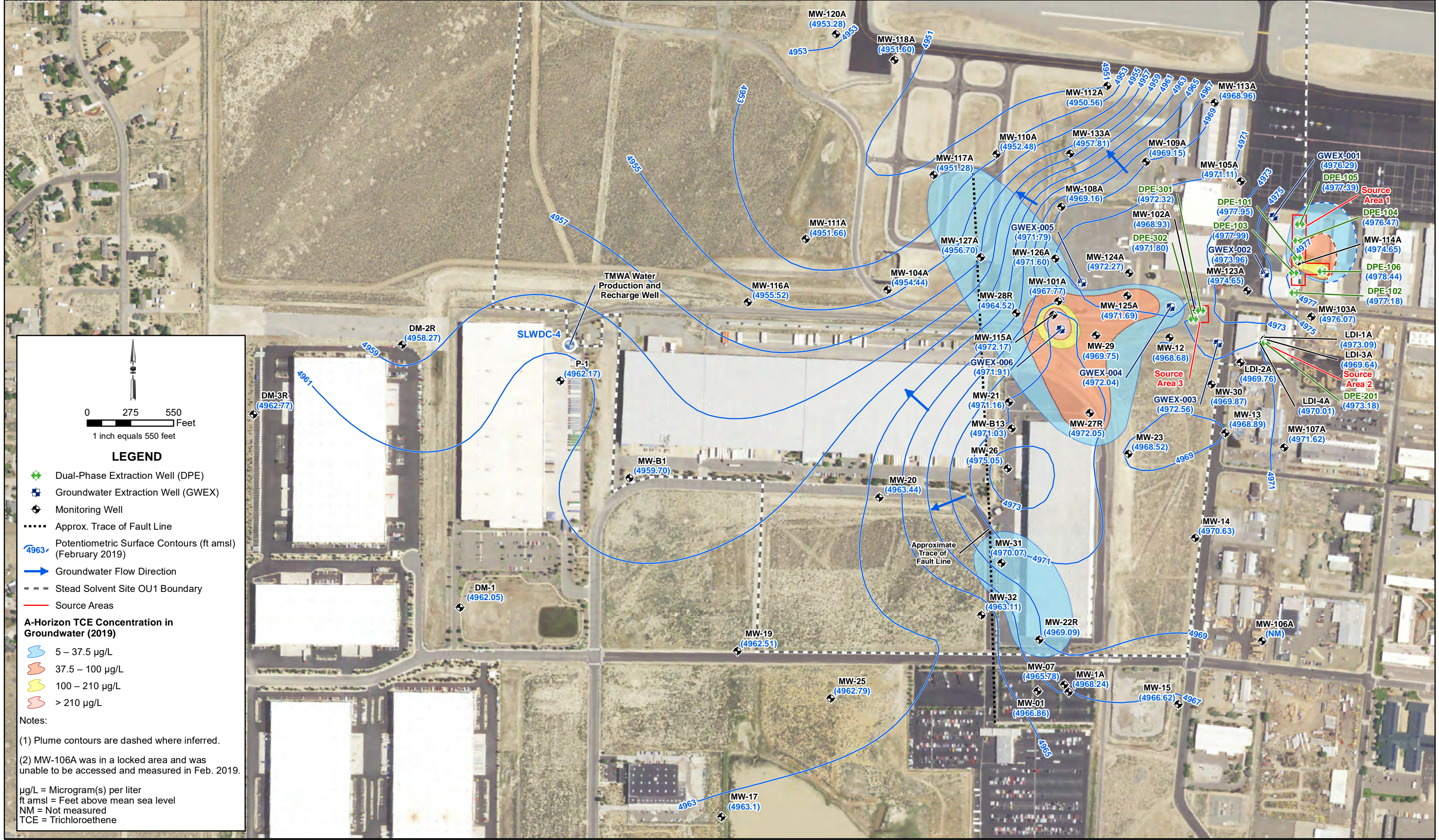
Notes:

(1) Plume contours are dashed where inferred.

(2) Wells used to monitor concentrations in the ACL plume are shown in gold. Wells used to monitor concentrations in the MCL plume are shown in blue.

µg/L = Microgram(s) per liter
 ACL = Alternative Concentration Limit
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene
 MCL = Maximum Contaminant Level
 TCE = Trichloroethene

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0 275 550 Feet
1 inch equals 550 feet

LEGEND

- ◆ Dual-Phase Extraction Well (DPE)
- Groundwater Extraction Well (GWEX)
- ⊕ Monitoring Well
- Approx. Trace of Fault Line
- 4963 Potentiometric Surface Contours (ft amsl) (February 2019)
- Groundwater Flow Direction
- - - Stead Solvent Site OU1 Boundary
- Source Areas

A-Horizon TCE Concentration in Groundwater (2019)

- 5 – 37.5 µg/L
- 37.5 – 100 µg/L
- 100 – 210 µg/L
- > 210 µg/L

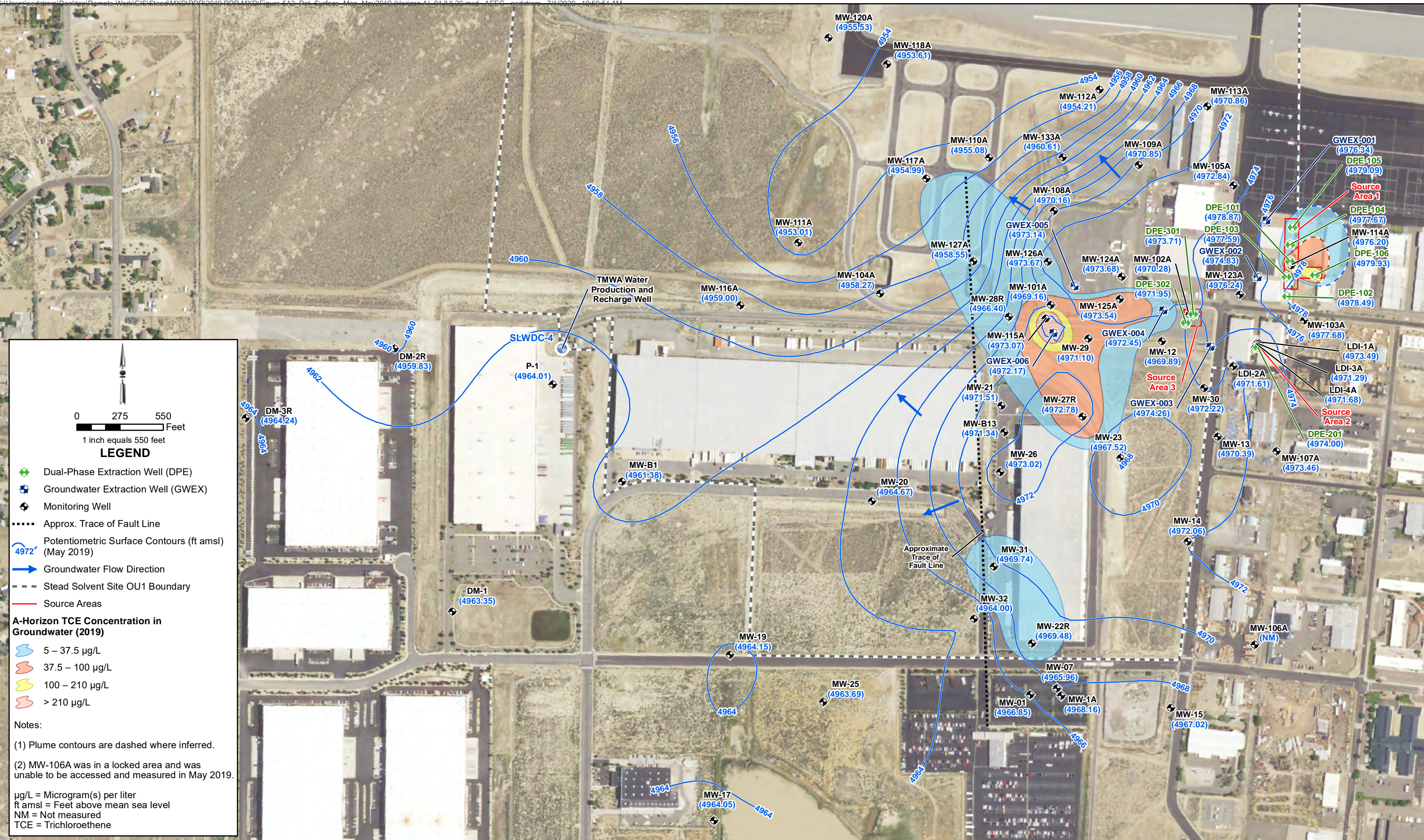
Notes:

(1) Plume contours are dashed where inferred.

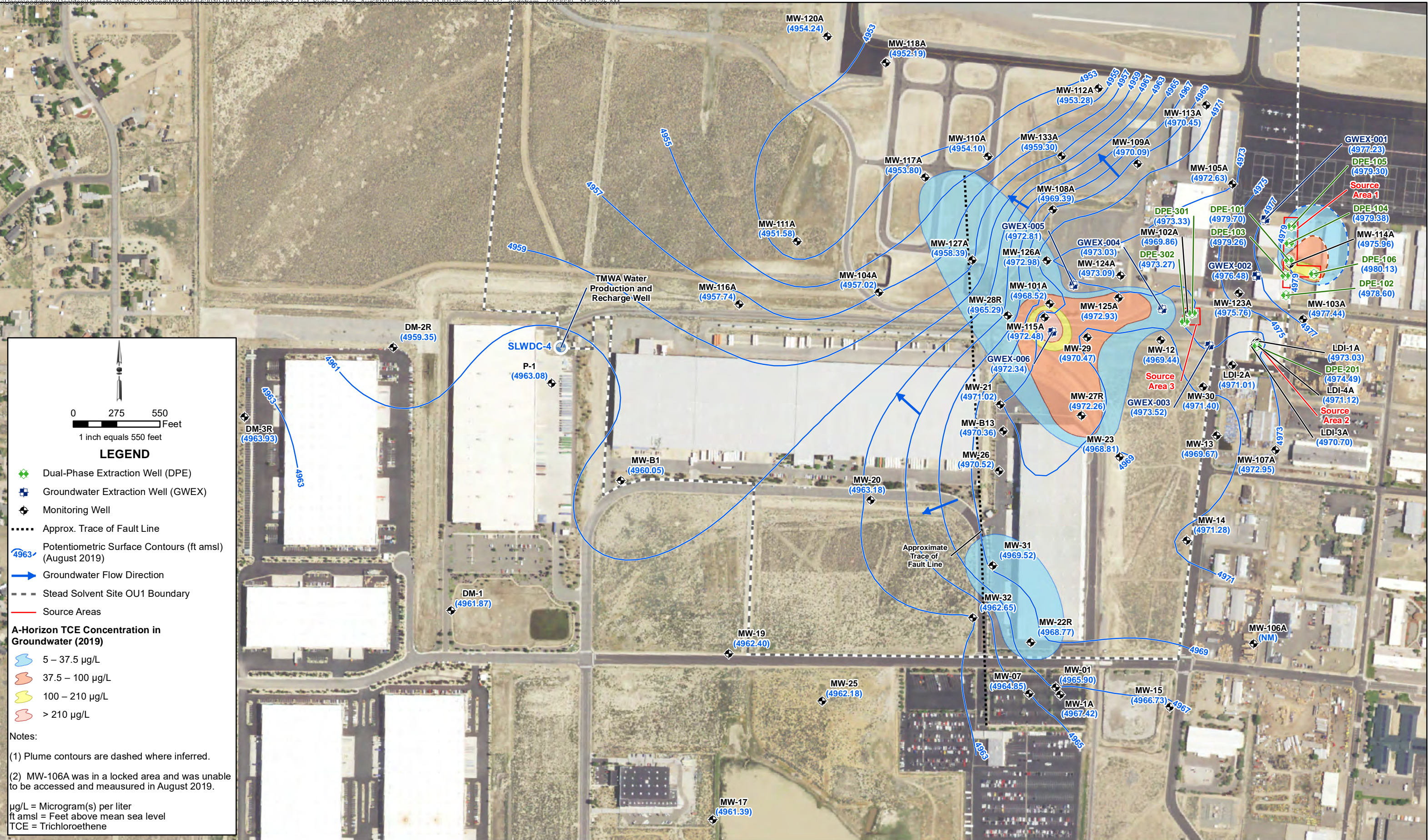
(2) MW-106A was in a locked area and was unable to be accessed and measured in Feb. 2019.

µg/L = Microgram(s) per liter
ft amsl = Feet above mean sea level
NM = Not measured
TCE = Trichloroethene

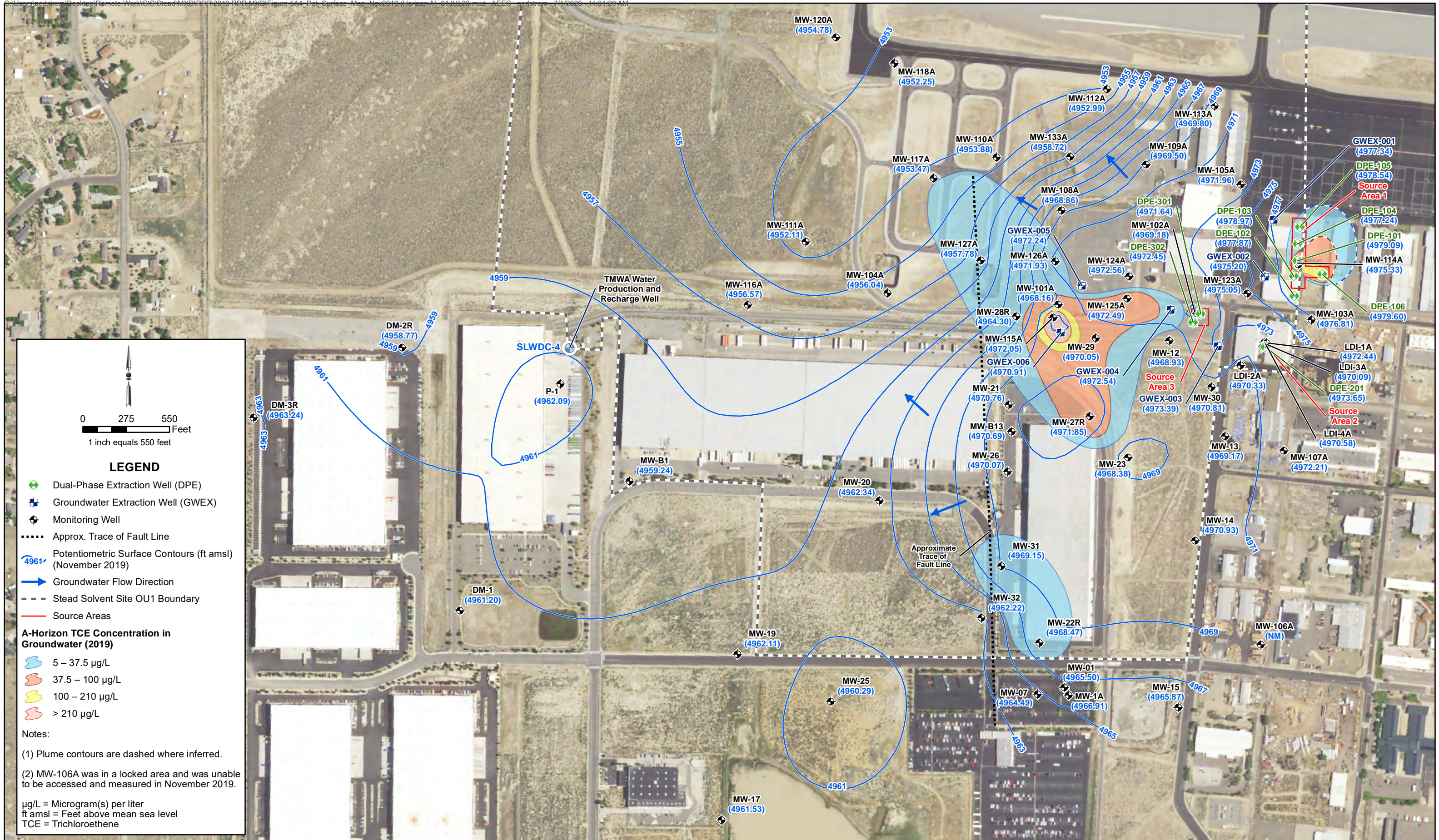
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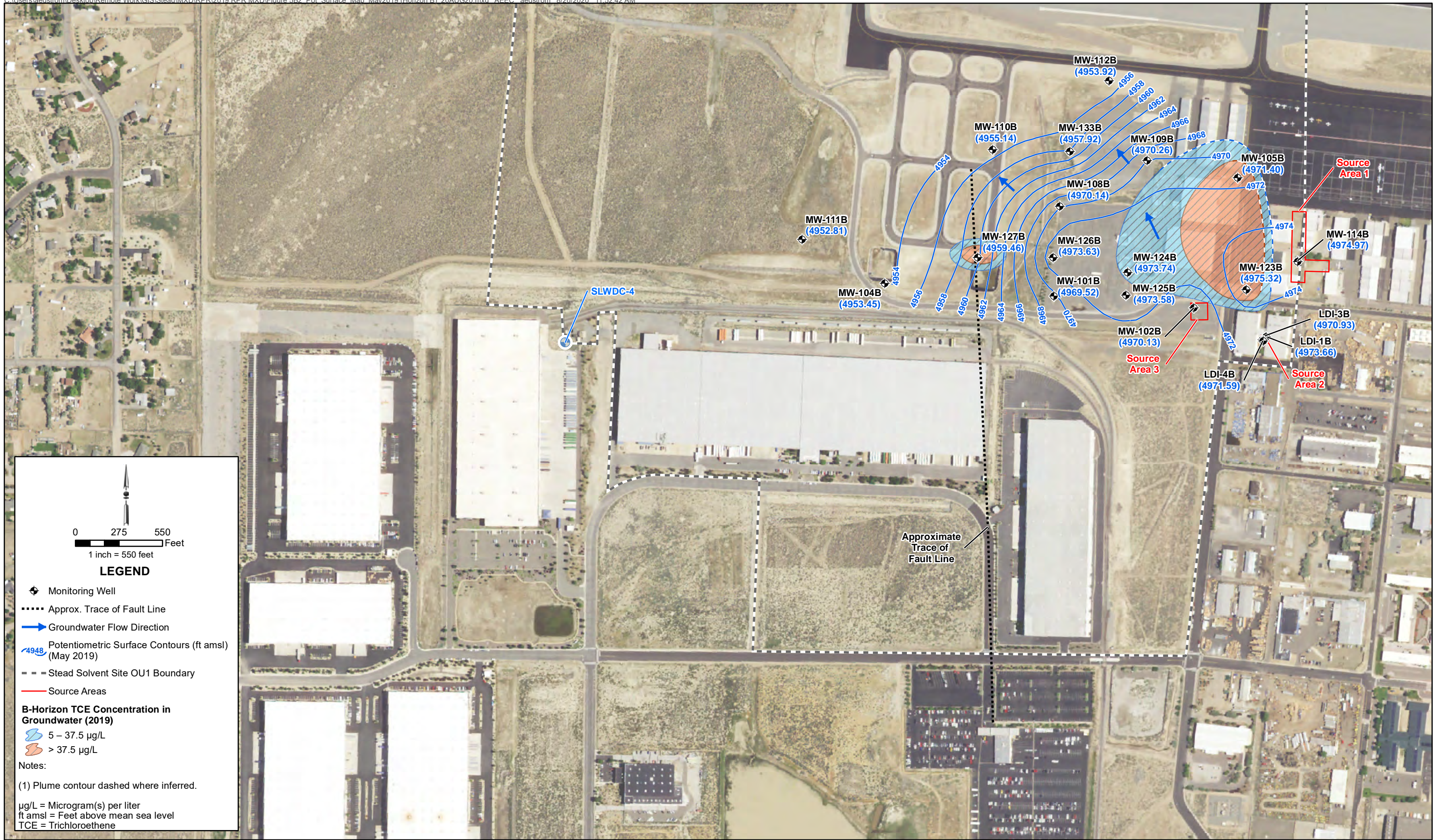
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0 275 550 Feet
1 inch = 550 feet

LEGEND

- ◆ Monitoring Well
- Approx. Trace of Fault Line
- Groundwater Flow Direction
- 4948 Potentiometric Surface Contours (ft amsl) (May 2019)
- - - Stead Solvent Site OU1 Boundary
- Source Areas

B-Horizon TCE Concentration in Groundwater (2019)

- 5 – 37.5 µg/L
- > 37.5 µg/L

Notes:
(1) Plume contour dashed where inferred.

µg/L = Microgram(s) per liter
ft amsl = Feet above mean sea level
TCE = Trichloroethene

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0 275 550 Feet
1 inch = 550 feet

LEGEND

- ◆ Monitoring Well
- Approx. Trace of Fault Line
- ➔ Groundwater Flow Direction
- ~ Potentiometric Surface Contours (ft amsl)
4948' (August 2019)
- - - Stead Solvent Site OU1 Boundary
- Source Areas

B-Horizon TCE Concentration in Groundwater (2019)

- 5 – 37.5 µg/L
- > 37.5 µg/L

Notes:
(1) Plume contour dashed where inferred.

µg/L = Microgram(s) per liter
ft amsl = Feet above mean sea level
TCE = Trichloroethene

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LEGEND

- ◆ Monitoring Well
- Approx. Trace of Fault Line
- Groundwater Flow Direction
- 4948 Potentiometric Surface Contours (ft amsl) (November 2019)
- - - Stead Solvent Site OU1 Boundary
- Source Areas

B-Horizon TCE Concentration in Groundwater (2019)

- 5 – 37.5 µg/L
- > 37.5 µg/L

Notes:
 (1) Plume contour dashed where inferred.
 µg/L = Microgram(s) per liter
 ft amsl = Feet above mean sea level
 TCE = Trichloroethene



FIGURE 5B4
GROUNDWATER POTENTIOMETRIC SURFACE NOVEMBER 2019 (B-HORIZON)
 2019 LONG-TERM MONITORING AND REMEDIATION PROGRESS REPORT
 STEAD SOLVENT SITE OPERABLE UNIT 1, RENO, NEVADA

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0 275 550 Feet
1 inch = 550 feet

LEGEND

- Approx. Trace of Fault Line
- ➔ Groundwater Flow Direction
- 4946' Potentiometric Surface Contours (ft amsl) (May 2019)
- - - Stead Solvent Site OU1 Boundary

C-Horizon TCE Concentration in Groundwater (2019)

- > 5 µg/L

Notes:
ft amsl = Feet above mean sea level
µg/L = Micrograms per liter
TCE = Trichloroethene

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LEGEND

- ◆ Monitoring Well
- Approx. Trace of Fault Line
- Groundwater Flow Direction
- 4946 Potentiometric Surface Contours (ft amsl) (August 2019)
- - - Stead Solvent Site OU1 Boundary
- C-Horizon TCE Concentration in Groundwater (2019)**
- > 5 µg/L

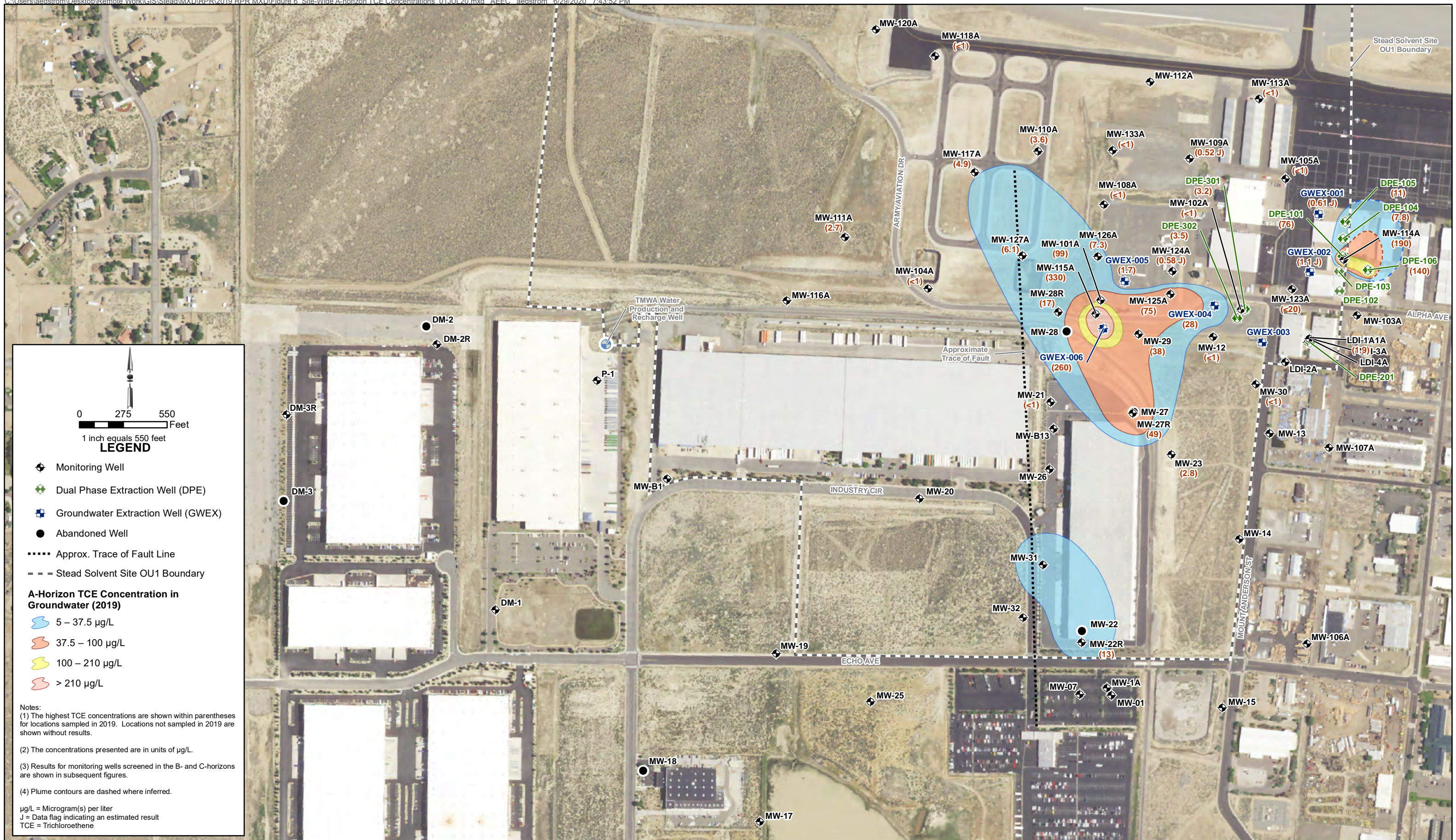
Notes:

ft amsl = Feet above mean sea level
 µg/L = Micrograms per liter
 TCE = Trichloroethene

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0 275 550 Feet
1 inch equals 550 feet

LEGEND

- Monitoring Well
- Dual Phase Extraction Well (DPE)
- Groundwater Extraction Well (GWEX)
- Abandoned Well
- Approx. Trace of Fault Line
- - - Stead Solvent Site OU1 Boundary

A-Horizon TCE Concentration in Groundwater (2019)

- 5 – 37.5 µg/L
- 37.5 – 100 µg/L
- 100 – 210 µg/L
- > 210 µg/L

Notes:

- (1) The highest TCE concentrations are shown within parentheses for locations sampled in 2019. Locations not sampled in 2019 are shown without results.
- (2) The concentrations presented are in units of µg/L.
- (3) Results for monitoring wells screened in the B- and C-horizons are shown in subsequent figures.
- (4) Plume contours are dashed where inferred.

µg/L = Microgram(s) per liter
J = Data flag indicating an estimated result
TCE = Trichloroethene

FIGURE 6
SITE-WIDE A-HORIZON TCE CONCENTRATIONS 2019
2019 LONG-TERM MONITORING AND REMEDIATION PROGRESS REPORT
STEAD SOLVENT SITE OPERABLE UNIT 1, RENO, NEVADA

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1,1-DCE A-HORIZON LEGEND

A-Horizon 1,1-DCE Concentration in Groundwater (2019)

> 7 µg/L

A-Horizon 1,1-DCE Concentration in Groundwater (2018)

> 7 µg/L

Notes:

(1) A-Horizon results are shown in Red.

(2) 2018 plume contours dashed where inferred.

µg/L = Microgram(s) per liter

DCE = Dichloroethene

J = Data flag indicating an estimated result



C:\Users\aedstrom\Desktop\Remote Work\GIS\Stead\MXD\RPR\2019 RPR MXD\Figure 8 1,1-DCE A,B,C horizons 01JUL20.mxd AECC aedstrom 7/1/2020 11:09:58 AM

1,1-DCE B- AND C- HORIZONS LEGEND

B-Horizon 1,1-DCE Concentration in Groundwater (2019)

> 7 µg/L

B-Horizon 1,1-DCE Concentration in Groundwater (2018)

> 7 µg/L

Notes:

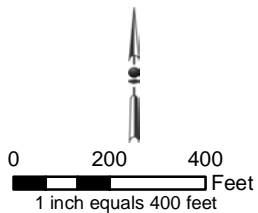
(1) B-Horizon results are shown in Brown.

(2) C-Horizon results are shown in Purple.

µg/L = Microgram(s) per liter

DCE = Dichloroethene

J = Data flag indicating an estimated result



LEGEND

- Dual Phase Extraction Well (DPE)
- Groundwater Extraction Well (GWEX)
- Monitoring Well (MW)

Notes:

(1) The highest 1,1-DCE concentrations are shown within parentheses for locations that were sampled in 2019. Locations not sampled in 2019 are shown without results.

(2) Concentrations presented are in units of µg/L.

(3) A-horizon (shallow) monitoring well average screen intervals are 26 ft below ground surface (bgs). B-horizon (mid-depth) and C-horizon (deep) monitoring well average screen intervals are 63 ft bgs and 105 ft bgs, respectively.

| CHEMICAL OF CONCERN (COC) | NUMERICAL CLEANUP GOALS (µg/L) | | |
|---------------------------|--------------------------------|-------------------------------|---------------------------|
| | RISK BASED CLEANUP GOAL (RBCG) | ALTERNATIVE CONC. LIMIT (ACL) | MAXIMUM CONC. LIMIT (MCL) |
| TCE | 210 | 37.5 | 5 |
| 1,1-DCE | 490 | N/A | 7 |
| BENZENE | 1,470 | N/A | 5 |
| EDB | 20 | N/A | 0.05 |

RBCG calculations are presented in Appendix H, Human Health Risk Assessment, and TCE ACL calculations are presented in Appendix J, ACL Calculations, of the Stead Solvent Site Final Feasibility Study (1999).

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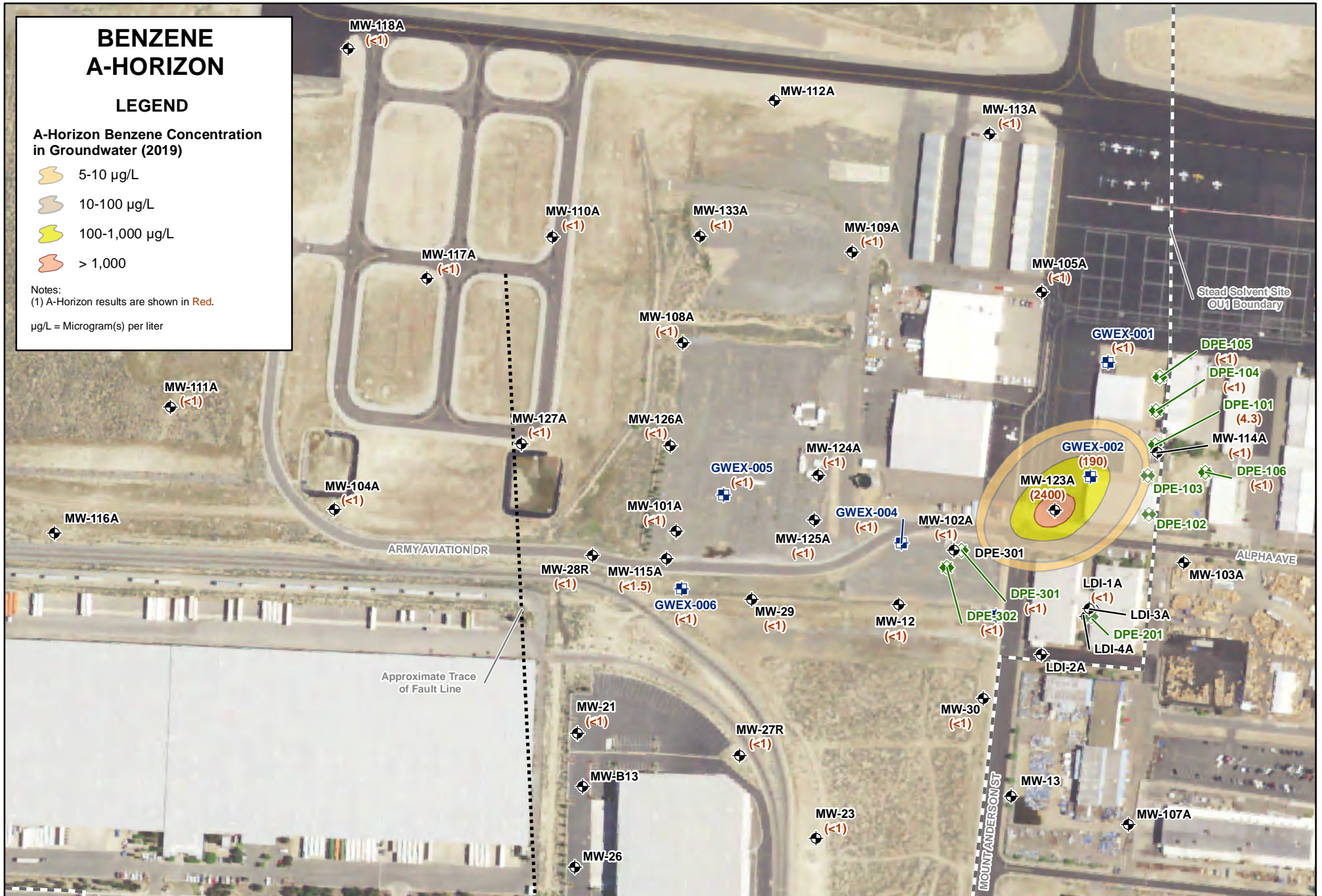
BENZENE A-HORIZON

LEGEND

A-Horizon Benzene Concentration in Groundwater (2019)

- 5-10 µg/L
- 10-100 µg/L
- 100-1,000 µg/L
- > 1,000

Notes:
(1) A-Horizon results are shown in Red.
µg/L = Microgram(s) per liter



C:\Users\aedstrom\Desktop\Remote Work\GIS\Stead\MXD\RPR\2019 RPR MXD\Figure 9 BENZENE A,B,C horizons 30JUN20.mxd AECC aedstrom 6/30/2020 10:32:40 AM

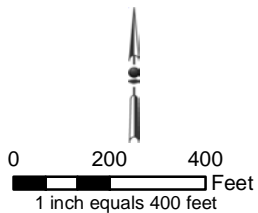
BENZENE B- AND C- HORIZON

LEGEND

B-Horizon Benzene Concentration in Groundwater (2019)

- 5-10 µg/L
- 10-100 µg/L

Notes:
(1) B-Horizon results are shown in Brown.
(2) C-Horizon results are shown in Purple.



LEGEND

- Monitoring Well (MW)
- Dual Phase Extraction Well (DPE)
- Groundwater Extraction Well (GWEX)

Notes:
(1) The highest Benzene concentrations are shown within parentheses for monitoring locations that were sampled in 2019. Locations not sampled in 2019 are shown without results.
(2) Concentrations presented are in units of µg/L.
(3) A-horizon (shallow) monitoring well average screen intervals are 26 ft below ground surface (bgs). B-horizon (mid-depth) and C-horizon (deep) monitoring well average screen intervals are 63 ft bgs and 105 ft bgs, respectively.

| CHEMICAL OF CONCERN (COC) | NUMERICAL CLEANUP GOALS (µg/L) | | |
|---------------------------|--------------------------------|-------------------------------|---------------------------|
| | RISK BASED CLEANUP GOAL (RBCG) | ALTERNATIVE CONC. LIMIT (ACL) | MAXIMUM CONC. LIMIT (MCL) |
| TCE | 210 | 37.5 | 5 |
| 1,1-DCE | 490 | N/A | 7 |
| BENZENE | 1,470 | N/A | 5 |
| EDB | 20 | N/A | 0.05 |

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EDB A-HORIZON

LEGEND

A-Horizon EDB Concentration in Groundwater (2019)

> 0.05 µg/L

A-Horizon EDB Concentration in Groundwater (2018)

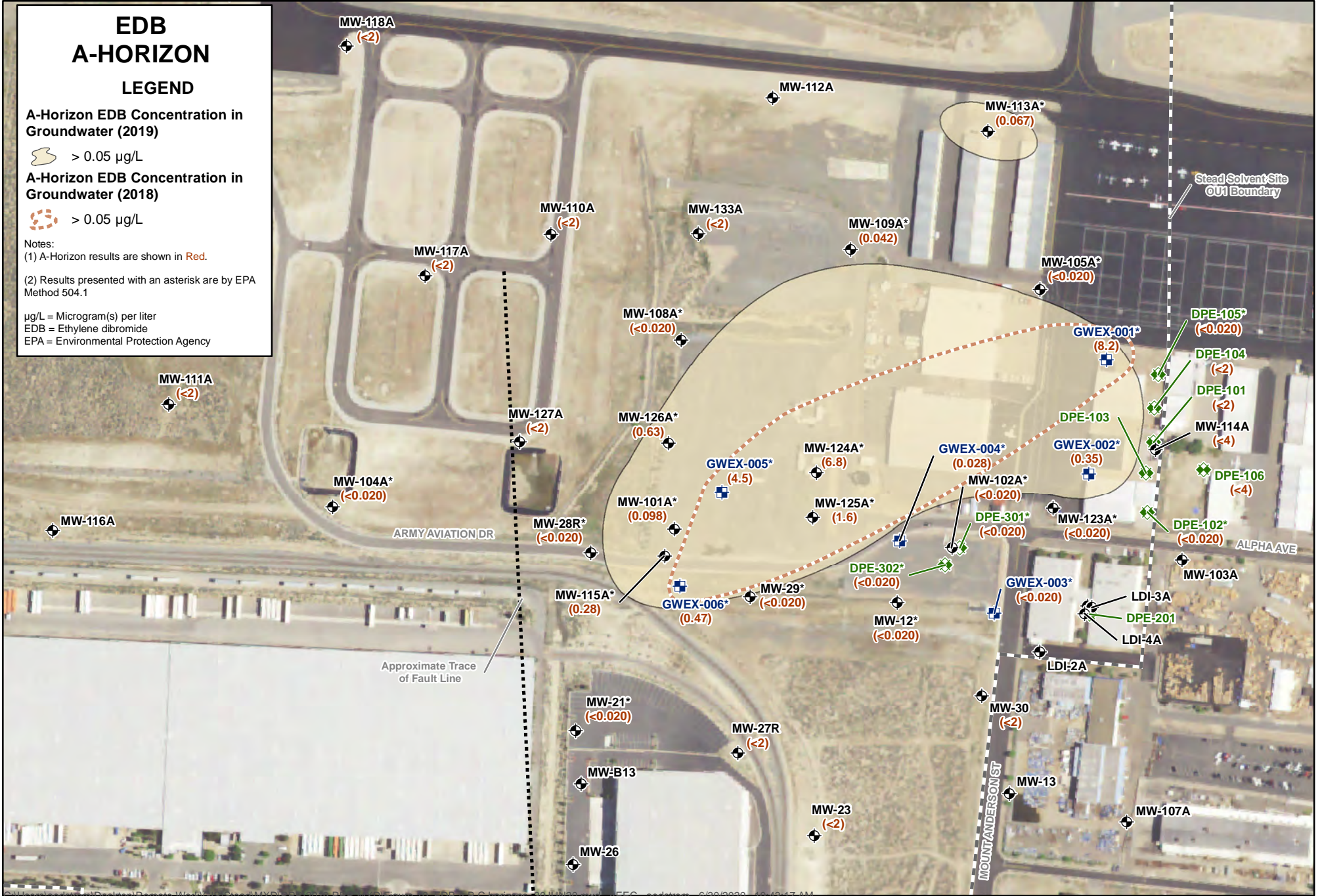
> 0.05 µg/L

Notes:

(1) A-Horizon results are shown in Red.

(2) Results presented with an asterisk are by EPA Method 504.1

µg/L = Microgram(s) per liter
EDB = Ethylene dibromide
EPA = Environmental Protection Agency



EDB B- AND C- HORIZON

LEGEND

B-Horizon EDB Concentration in Groundwater (2019)

> 0.05 µg/L

B-Horizon Concentration in Groundwater (2018)

> 0.05 µg/L

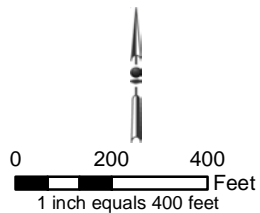
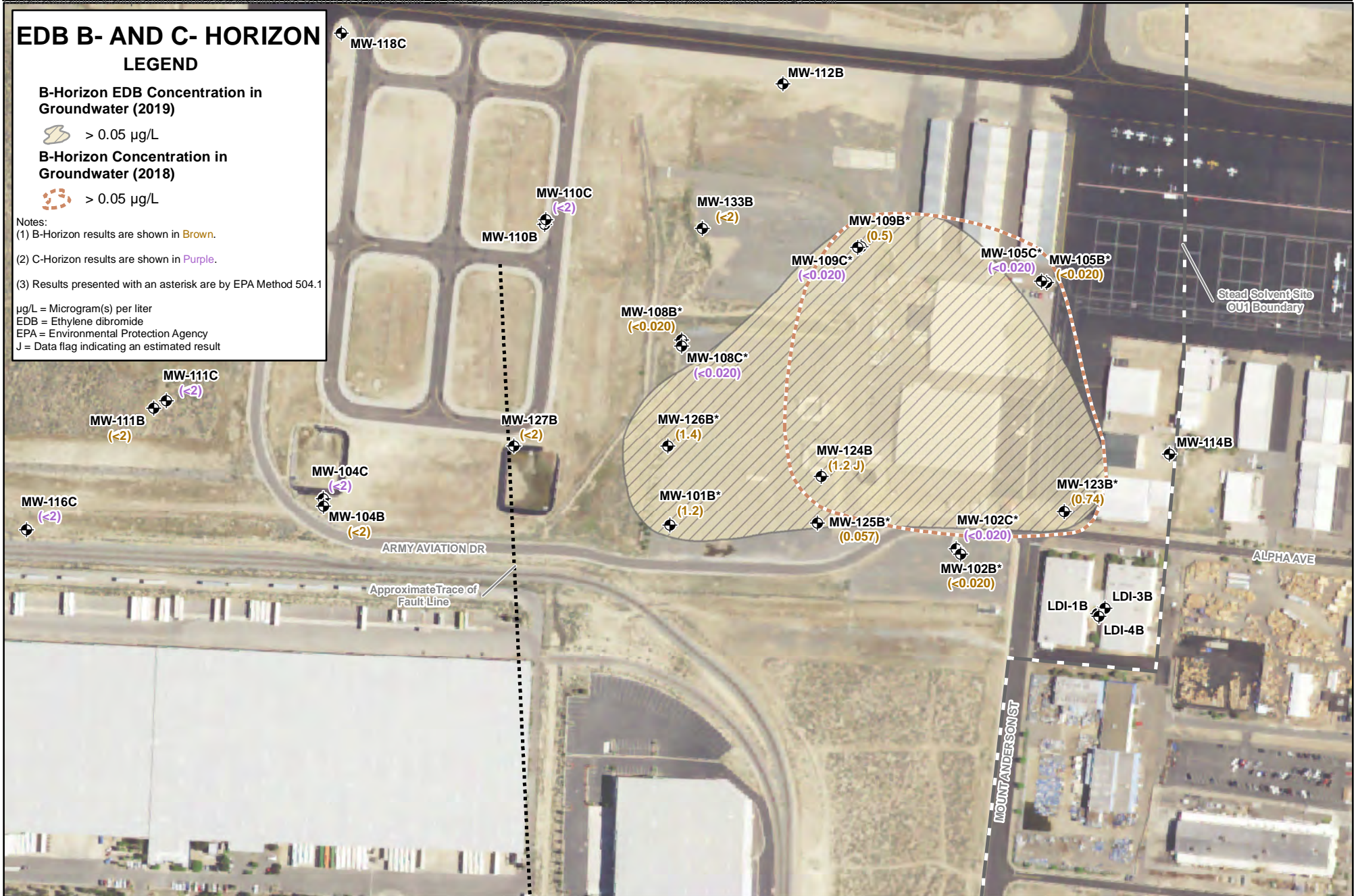
Notes:

(1) B-Horizon results are shown in Brown.

(2) C-Horizon results are shown in Purple.

(3) Results presented with an asterisk are by EPA Method 504.1

µg/L = Microgram(s) per liter
EDB = Ethylene dibromide
EPA = Environmental Protection Agency
J = Data flag indicating an estimated result



LEGEND

- Monitoring Well (MW)
- Dual Phase Extraction Well (DPE)
- Groundwater Extraction Well (GWEX)

Notes:

(1) The highest EDB concentrations are shown within parentheses for monitoring locations that were sampled in 2019. Locations not sampled in 2019 are shown without results.

(2) Concentrations presented are in units of µg/L.

(3) A-horizon (shallow) monitoring well average screen intervals are 26 ft below ground surface (bgs). B-horizon (mid-depth) and C-horizon (deep) monitoring well average screen intervals are 63 ft bgs and 105 ft bgs, respectively.

| CHEMICAL OF CONCERN (COC) | NUMERICAL CLEANUP GOALS (µg/L) | | |
|---------------------------|--------------------------------|-------------------------------|---------------------------|
| | RISK BASED CLEANUP GOAL (RBCG) | ALTERNATIVE CONC. LIMIT (ACL) | MAXIMUM CONC. LIMIT (MCL) |
| TCE | 210 | 37.5 | 5 |
| 1,1-DCE | 490 | N/A | 7 |
| BENZENE | 1,470 | N/A | 5 |
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