# Tables

# TABLE 2-1

## AQUIFER TEST ANALYSIS
## TIMET FACILITY, HENDERSON, NV

| Well | Test Date | Total Discharge (gallons) | Pumping Duration (minutes) | Average Discharge Rate (gpm) | Depth to water (ft bgs) | Total Well depth (ft bgs) | Saturated Thickness (ft) | Transmissivity (gpd/ft) | Hydraulic Conductivity (ft/day) |
|---|---|---|---|---|---|---|---|---|---|
| CLD1-R | 3/16/06 | 70 | 30.8 | 2.3 | 27.4 | 35 | 7.6 | 3,995 | 70 |
| CLD3-R | 3/15/06 | 150 | 61.9 | 2.4 | 32.6 | 43 | 10.4 | 968 | 12 |
| J2D2-R2 | 3/16/06 | 180 | 30.0 | 6.0 | 41.1 | 50.5 | 9.4 | 8,800 | 125 |
| M-95 | 3/17/06 | 70 | 30.4 | 2.3 | 10 | -- | -- | 29,040 | -- |
| PC-54 | 3/17/06 | 80 | 30.9 | 2.6 | 15.1 | 34.5 | 19.4 | 17,094 | 118 |
| PC-65 | 3/16/06 | 40 | 31.0 | 1.3 | 6 | 19 | 13 | 1,892 | 19 |
| PC-67 | 3/16/06 | 70 | 30.5 | 2.3 | 10.5 | 35.4 | 24.9 | 4,048 | 22 |
| TMMW-101 | 3/16/06 | 190 | 90.1 | 2.1 | 70.2 | 95 | 24.8 | 427 | 2 |
| TMMW-102 | 3/14/06 | 15 | -- | -- | 71.8 | 87 | 15.2 | 8.2 | 0.07 |
| TMMW-103 | 3/14/06 | 180 | 181.1 | 1.0 | 73.4 | 87 | 13.6 | 145 | 1.4 |
| TMMW-104 | 3/17/06 | 120 | 181.3 | 0.7 | 71.5 | 87 | 15.5 | 145 | 1.3 |
| TMPZ-110 | 3/15/06 | 45 | 90.9 | 0.5 | 37.4 | 45 | 7.6 | 307 | 5 |

Notes:

| | |
|---|---|
| ft | Feet |
| bgs | Below ground surface |
| gpd | Gallon per day |
| gpm | Gallon per minute |

TABLE 2-2

**PERMEABILITY, SOIL CLASSIFICATION AND SCREENED INTERVAL - CMT WELLS**
**TITANIUM METALS CORPORATION, HENDERSON, NEVADA**

| CMT Channel | Screen Center | Screened Unit | $K_{sat}$ | USCS | Description |
|---|---|---|---|---|---|
| CMT-101 | 47.75 | xMCF | 2.4E-03 | MH | Monotonous xMCF |
| CMT-102 | 64 | xMCF | 3.7E-02 | MH | Base of xMCF |
| CMT-103 | 85.5 | MCF | 2.1E-02 | sML | Thin 1-foot sandy lens |
| ***CMT-104*** | ***115*** | ***MCF*** | 5.7E-03 | ***CH*** | ***Aquiclude*** |
| CMT-105 | 126.5 | MCF | 1.1E-02 | SM | Thin 1 foot thick sand lens |
| ***CMT-106*** | ***142*** | ***MCF*** | 1.2E-03 | ***CH*** | ***Aquiclude*** |
| CMT-107 | 156.25 | MCF | 2.2E-01 | SM | Field classification; 8-foot WBZ |
| CMT-202 | 75 | xMCF | 2.8E-02 | MLs | Monotonous xMCF |
| CMT-203 | 92.5 | MCF | 3.7E-02 | SM | Field classification; 1-foot thick sand zone |
| CMT-205 | 137.5 | MCF | 5.7E-02 | sCL | Thick sequence of MCF; sandy lean clay |
| CMT-303 | 76 | xMCF | 7.1E-02 | SP | Field classification; 1-foot thick sand zone |
| CMT-304 | 105 | xMCF | 9.6E-02 | SM | Two-foot-thick fine sand zone |
| ***CMT-307*** | ***166.5*** | ***MCF*** | 2.6E-03 | ***CH*** | ***Aquiclude*** |
| CMT-502 | 49 | xMCF | 2.8E-01 | sML | Two-foot thick fine sand and silt |
| CMT-503 | 58.5 | xMCF | 7.4E-02 | MHs | One-foot thick elastic silt with fine sand |
| CMT-504 | 94 | xMCF | 4.5E-02 | MH | Eight foot thick elastic silt, base of xMCF |
| CMT-505 | 112.75 | MCF | 9.6E-03 | CLs | Monotonous sandy lean clay |
| CMT-506 | 128 | MCF | 1.5E-02 | CLs | Thin (1 ft) sandy CL in thick ML/CL sequence |
| ***CMT-507*** | ***156.25*** | ***MCF*** | 2.8E-03 | ***CH*** | ***Aquiclude*** |

Notes:

CMT = Continous multichannel tubing

xMCF = Transitional Muddy Creek Formation

MCF = Muddy Creek Formation

$K_{sat}$ = Saturated hydraulic conductivity (feet per day ) by Bouwer and Rice (1976)

TABLE 2-3

**EVALUATION OF VERTICAL HEAD GRADIENTS**
**TITANIUM METALS CORPORATION, HENDERSON, NEVADA**
**Page 1 of 2**

| Well ID | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | Casing Elevation | Gauging Date | Depth to Water (ft bgs) | Head | CMT Interval | Gradent Interval | Vertical Gradient | Head Direction |
|---|---|---|---|---|---|---|---|---|---|---|
| CMT-101 | 48 | 48.5 | 1751.42 | 3/7/2008 | 34.03 | 1717.39 | 101-102 | 48.5-64.5 | -0.02 | Down |
| CMT-102 | 64 | 64.5 | | 3/7/2008 | 34.31 | 1717.11 | 102-103 | | 0.00 | Neutral |
| CMT-103 | 85 | 85.5 | | 3/7/2008 | 34.32 | 1717.10 | 103-104 | | 0.15 | Up |
| CMT-104 | 115 | 115.5 | | 3/7/2008 | 29.74 | 1721.68 | 104-105 | | 0.08 | Up |
| CMT-105 | 126 | 126.5 | | 3/7/2008 | 28.88 | 1722.54 | 105-106 | | 0.01 | Up |
| CMT-106 | 142 | 142.5 | | 3/7/2008 | 28.75 | 1722.67 | 106-107 | | -0.35 | Down |
| CMT-107 | 157 | 157.5 | | 3/7/2008 | 33.99 | 1717.43 | NA | | NA | NA |
| CMT-201 | 48 | 48.5 | 1780.20 | 3/7/2008 | 37.71 | 1742.49 | 201-202 | | 0.02 | Up |
| CMT-202 | 75 | 75.5 | | 3/7/2008 | 37.30 | 1742.90 | 202-203 | | 0.01 | Up |
| CMT-203 | 92 | 92.5 | | 3/7/2008 | 37.20 | 1743.00 | 203-204 | | 0.29 | Up |
| CMT-204 | 119 | 119.5 | | 3/7/2008 | 29.28 | 1750.92 | 204-205 | | 0.27 | Up |
| CMT-205 | 137 | 137.5 | | 3/7/2008 | 24.39 | 1755.81 | 205-206 | | 0.19 | Up |
| CMT-206 | 160 | 160.5 | | 3/7/2008 | 20.05 | 1760.15 | 206-207 | | 0.02 | Up |
| CMT-207 | 177.5 | 178 | | 3/7/2008 | 19.67 | 1760.53 | NA | | NA | NA |

TABLE 2-3

**EVALUATION OF VERTICAL HEAD GRADIENTS**
**TITANIUM METALS CORPORATION, HENDERSON, NEVADA**


| Well ID | Top of Screen (ft bgs) | Bottom of Screen (ft bgs) | Casing Elevation | Gauging Date | Depth to Water (ft bgs) | Head | CMT Interval | Gradent Interval | Vertical Gradient | Head Direction |
|---|---|---|---|---|---|---|---|---|---|---|
| CMT-301 | 25 | 25.5 | 1776.95 | 3/7/2008 | Dry | | NA | | NA | NA |
| CMT-302 | 46 | 46.5 | | 3/7/2008 | 37.17 | 1739.78 | 202-203 | | 0.07 | Up |
| CMT-303 | 76 | 76.5 | | 3/7/2008 | 35.02 | 1741.93 | 203-204 | | 0.32 | Up |
| CMT-304 | 105 | 105.5 | | 3/7/2008 | 25.79 | 1751.16 | 204-205 | | 0.20 | Up |
| CMT-305 | 131 | 131.5 | | 3/7/2008 | 20.65 | 1756.30 | 205-206 | | -0.05 | Down |
| CMT-306 | 147 | 147.5 | | 3/7/2008 | 21.41 | 1755.54 | 206-207 | | 0.31 | Up |
| CMT-307 | 167.5 | 168 | | 3/7/2008 | 14.96 | 1761.99 | NA | | NA | NA |
| CMT-501 | 40 | 40.5 | 1739.97 | 3/7/2008 | 31.61 | 1708.36 | 501-502 | | -0.01 | Down |
| CMT-502 | 49 | 49.5 | | 3/7/2008 | 31.70 | 1708.27 | 502-503 | | 0.03 | Up |
| CMT-503 | 58 | 58.5 | | 3/7/2008 | 31.45 | 1708.52 | 503-504 | | 0.03 | Up |
| CMT-504 | 94 | 94.5 | | 3/7/2008 | 30.47 | 1709.50 | 504-505 | | 0.00 | Neutral |
| CMT-505 | 113 | 113.5 | | 3/7/2008 | 30.40 | 1709.57 | 505-506 | | 0.04 | Up |
| CMT-506 | 128 | 128.5 | | 3/7/2008 | 29.82 | 1710.15 | 506-507 | | 0.31 | Up |
| CMT-507 | 157.5 | 158 | | 3/7/2008 | 20.61 | 1719.36 | NA | | NA | NA |

Notes:
ft bgs = Feet below ground surface
CMT = Continuous multi-channel tubing
Casing elevation in feet above mean sea level
Head in feet above mean sea level
Gradient calculation convention = (Lower Head - Upper Head)/(distance between bottom of screens)
Head Direction convention: Up indicates deep to shallow direction; Down indicates shallow to deep direction

TABLE 2-4

**PRELIMINARY WATER BALANCE FOR PLANT SITE**
**TITANIUM METALS CORPORATION, HENDERSON, NEVADA**
**Page 1 of 2**

| | Length (ft) | Aquifer Thickness (ft) | Hydraulic Conductivity (ft/day) | Hydraulic Gradient (ft/ft) | Flux ($ft^3$/day) | Notes |
|---|---|---|---|---|---|---|
| **OUTFLOWS** | | | | | | |
| Outflow at northern plant boundary - Qal | 2700 | 7.5 | 16.4 | 0.018 | -5978 | Geometric mean K and average Qal thickness of TMPZ wells along northern boundary. Gradient from CSM report. |
| Outflow at northern plant boundary - xMCF | 2700 | 45 | 4.5E-02 | 0.02 | -109 | Geometric mean K of xMCF Slug Tests. Avg. xMCF thickness from TMSB-131 and -135. Gradient from CMT wells. |
| **Total Outflow** | | | | | **-6087** | |
| **INFLOWS** | | | | | | |
| Influx from south boundary along Lake Mead Drive - Qal | 2700 | 18.0 | 1.54 | 0.025 | 1871 | Geometric mean K and avg. thickness from TMPZ-101, -103, and -104. Gradient from CSM report. |
| Influx from south boundary along Lake Mead Drive - xMCF | 2700 | 34.5 | 0.07 | 0.02 | 130 | K single point from TMPZ-102 screened in xMCF. Thickness estimated so that WBZ-1 thickness at northern boundary = WBZ-1 thickness at south boundary. |
| | Area ($ft^2$) | | | | | |
| Upward flux from MCF into Water Bearing Zone 1 | 9,400,000 | | 1.2E-03 | 0.25 | 2820 | Total plant area. Geometric mean K of all MCF slug tests (0.012) adjusted for $K_v/K_h$ of 0.1. Avg. gradient MCF to xMCF near contact. |

TABLE 2-4

**PRELIMINARY WATER BALANCE FOR PLANT SITE**
**TITANIUM METALS CORPORATION, HENDERSON, NEVADA**
**Page 2 of 2**

| | Length (ft) | Aquifer Thickness (ft) | Hydraulic Conductivity (ft/day) | Hydraulic Gradient (ft/ft) | Flux ($ft^3$/day) | Notes |
|---|---|---|---|---|---|---|
| Infiltration | Area ($ft^2$) 8,400,000 | | Rainfall (in) 4.8 | I (%) 1 | 92 | Assumes 85% of area is not paved or lined |
| **Total Inflow** | | | | | **4914** | |
| **Net Balance** | | | | | **-1174** | |

Notes:

Geometric mean K for outflow from Qal based on data from TMPZ-105 through TMPZ-112

Geometric Mean K for inflow from Qal based on data from TMMW-101, 103 and 104

Geometric Mean K for outflow from xMCF based on data from CMT-101, -102, -202, -303, -304, -502, -503, -504

K for inflow from xMCF based on single point from TMMW-102 slug test

Geometric Mean K for upward seepage from MCF based on data from CMT-103 through -107, -203, -205, -307, and -505 through -507

I = Percent of rainfall infiltration

**TABLE 3-1: LESSEES ON PLANT SITE**

| Company | Area | Operations[1] |
|---|---|---|
| 1400 Corporation | T-52, storage vault, KBMI Radio Tower | Operated a radio station in 1963. |
| BMI Complex Headquarters | Fire Station Building S-10 and Building T-1 | Occupied office space used to perform various complex-wide maintenance activities in July 1961. |
| Chemtec Corporation | Building K-55 | Occupied building from 1975 to 1978. Site operations consisted of a possible pilot plant and small laboratory. |
| City of Henderson | TIMET ballpark | Operated a municipal baseball park in April 1959. |
| Coyote Construction (Wirthlin Trenching) | Building S-17 (gatehouse) and 1 acre of land | Occupied the gatehouse for a period of 1 year (1978 to 1979). Site operations were not documented. |
| Frank Briscoe Company | B-5, including railroad track 5 | Operated equipment and rail area for the unloading of filter media materials for 60 to 90 days in 1980. |
| Magnesite Truck Company | Building T-30 | Occupied building from 1951 (possibly) to late 1956 when building was demolished as indicated in aerial photography. Operations were not documented. |
| Musical Arrangements, Inc. | Building K-3 | Operations consisted of making music tapes in April 1972. |
| National Sound Corporation | Building K-55 | In 1972, leased the building for a period of 2 months with no documented site operations. |
| Per Boy Associates | Southwest quarter of Section 7 | Conducted unknown activities in June 1965 |
| Pioche Manganese Company | Refinery Building J2, Metal Unit 10, East one-half of Change House S-17, Canteen S-12, and Loading Platform S-12 (originally leased to Combined Metals Reduction) | From 1951 to 1956, operation of Combined Metals Reduction Company were likely related to the production of ferro-manganese alloys and were similar in nature to Pioche Manganese (Henderson Steering Committee ECA, pg. 14). Pioche Manganese Company used a portion of the leased area for storage of manganese slag storage. Pioche processed ore supplied by Three Kids' Mine. The company operated an arc (carbon electrode) furnace for ore processing to produce manganese and process slag, which were stockpiled in an area north and east of Building J2. |
| Rosecrest Cabinets | Half of Building K-32 | Operated in October 1973 to 1989 likely manufacturing cabinets. |
| TIMET Employees Federal Credit Union | Building K-32 | Leased office space in March 1968. |

**TABLE 3-1: LESSEES ON PLANT SITE (continued)**

| Company | Area | Operations[1] |
|---|---|---|
| Henderson Telephone Company | Building K-32 | Leased facilities until 1954; no manufacturing processes appear to have occurred. |
| M. Zenoft (lease assigned to Television Company of America) | Portion of Building K-32 | Leased facilities for a radio station in September 1953. |
| Western Area Power Administration | Yard 3 of Basic Substation; utility easement that extended in east to west direction just south of manufacturing unit buildings. | The Bureau of Reclamation operated an electrical substation from 1942 through 1976. Since that time, the Western Area Power Administration operated the facility. |
| Basic Power | Cable control tunnel (2,900 feet long) which is part of the Basic Substation | Leases the use of the cable control tunnel for electrical transmission lines |
| Southern Nevada Power Company | Utility easements | From 1950 to current, maintained power and communication easements. |

Notes:

1 Operational time frame is approximated from multiple sources and provided as a contextual frame of reference; in some instances, exact time frames could not be ascertained.

**Table 4-1**
**Waste Stream Characterization**

| Waste Stream Number | Waste Stream Name | Description | Disposition | Known Site-Related Chemical |
|---|---|---|---|---|
| 1 | CSD Solids | CSD solids consist primarily of coke and unreacted rutile ore, with chlorides and trace amounts of metal oxides from the purification process continuous sludge dryer. The primary metals present include iron, niobium zirconium, vandadium, aluminum, and titanium. Other residual metals present in the rutile, such as chromium, manganese, uranium, and thorium, are concentrated in the CSD from the purification process. The CSD solids are slurried with OPW effluent. | 1950s to 1970s - BMI Landfill and J-2 Landfill<br>1970s to 2005 - Sluiced with OPW effluent in OPW drain lines to CSD North and South Ponds. Liquids from the CSD ponds were routed to the former Pabco Road Ponds.<br>2005 to Present - Sluiced with OPW effluent in OPW drain lines to the WCF.<br>Other locations - old caustic pond, Francy's Mountain, NSA. | Carbon; metals (excluding antimony, barium, beryllium, cadmium, cobalt, copper, lithium, mercury, molybdenum, nickel, palladium, phosphorus, selenium, silver, thallium tungsten) chloride; radionuclides (Th-232, U-238, U-235 decay chains); and water quality indicators |
| 2 | OPW Wastewater | OPW wastewater is generated from all operational areas of the plant, including chlorination (cooling water, scrubber water with titanium dioxide and hydrochloric acid); purification (PVS scrubber water containing titanium dioxide, silicon dioxide, and tin oxides); magnesium recovery (cooling water, spent sulfuric acid, chlorine baghouse slurry (chloride salts in water); scrubber water, including hydrchloric acid; crushing (water and titanium solids); leaching (washer unit wastewater containing acids, magnesium, and magnesium chloride); melt shop (wash water); scrap reclaim (cooling water, HCl pickling acid, detergent wash water); laboratory acids and pickling solutions (lithium chloride); and small quantities of other laboratory wastes (hydraulic fluids, photochemical process liquids, reagents). The OPW wastewater is acidic in nature and contains trace amounts of solids in water. | 1950s-2005 - OPW wastewater was collected in subsurface piping, neutralized with slaked lime or soda ash, and routed to on-site CSD, HP-1, HP-6, and SW-1 ponds. Solids were settled out in on-site ponds.<br>1951 to 1977 - Liquids were discharged to the Beta Ditch System and then to the BMI Upper Ponds.<br>1977 to 2005 - :iquids were pumped through subsurface piping to the former Pabco Road Ponds off site. CSD solids are sluiced with OPW at the sludge dryer in purification.<br>Present - OPW with CSD solids is pumped through piping for treatment at the WCF. | Metals; anions; radionuclides (Th-232, U-238, U-235 decay chains); and water quality indicators |
| 3 | Spent Caustic | Caustic wastewater includes spent caustic scrubber water used to remove chlorine gas from the chlorination process and the magnesium recovery process. The caustic liquids also include washwater from Unit 12 and reclaim washer unit water. The primary components of this waste stream include water and sodium chloride. Other waste constituents include calcium, magnesium, potassium, sodium hypochlorite, sodium bicarbonate, sodium carbonate, and silicon dioxide. | 1950s to 2005 - Caustic wastewater was collected in subsurface piping and routed to an on-site caustic pond and HP-6.<br>1952 to 1965 - Liquids were discharged to the Beta Ditch System and then to the BMI Upper Ponds.<br>1965 to 2003 - Caustic wastewater was also pumped to the former Pabco Road Ponds off site.<br>Present - Caustic wastewater is routed to the WCF for treatement. | Metals (chromium, titanium, magnesium, sodium); anions (chloride, sulfate, fluoride); and water quality indicators |
| 4 | Leach Liquor | Leach liquor wastewater was generated from leaching of magnesium and magnesium chloride from crushed titanium chips using a mixture of hydrochloric, nitric and citric acids, and urea during the leaching process. Leach liquor was a solution of water and magnesium chloride with residual acidity. Other waste constituents include calcium, titanium, nitrates, and sulfates. Leach liquor is no longer generated by site processes. | 1950s to 1993 - Leach liquor wastewater was collected in a common collector in the basement of Building 8, and discharged to the leach liquor piping. The leach liquor piping is dedicated pipe within the OPW line.<br>1951 to 1977 - Liquids were discharged to the Beta Ditch System and then to the BMI Upper Ponds.<br>1977 until 1993 - Leach liquor was neutralized with lime and routed to on-site ponds, including SW-1 (formerly LL-1/North), HP-1 (formerly LL-2/South), and HP-6. The liquids were pumped to the former Pabco Road Ponds off site. The magnesium chloride solution was used on facility roadways for dust control. | Metals (excluding antimony, barium, beryllium, cadmium, cobalt, copper, lithium, mercury, molybdenum, nickel, palladium, phosphorus, selenium, silver, thallium, tungsten); anions; and water quality indicators |

**Table 4-1 (Continued)**
**Waste Stream Characterization**

| Waste Stream Number | Waste Stream Name | Description | Disposition | Known Site-Related Chemical |
|---|---|---|---|---|
| 5 | Chlorinator Dust | Chlorinator dust consists of rutile and coke particles from cyclones used to scrub gas from the top of the chlorinator. | Prior to 1983 - BMI landfill.<br>1983 to 2006 - J-2 Landfill.<br>2006 to Present - Off-site disposal in permitted landfill. Other on-site locations Francy's Mountain. | Carbon; metals (excluding antimony, barium, beryllium, cadmium, cobalt, copper, lithium, mercury, molybdenum, nickel, palladium, phosphorus, selenium, silver, thallium, tungsten); chloride; radionuclides (Th-232, U-238, U-235 decay chains); and water quality indicators |
| 6 | ACM | Asbestos was present as insulation material on certain plant piping and tanks. | Formerly, building demolition waste containing asbestos was placed in the J-2 Landfill. Other areas - NSA. | Asbestos |
| 7 | Rutile Residues | A minor amount of unprocessed rutile ore is lost in and around the rail siding to the south of the J-2 warehouse. Rutile ore is delivered to chutes and silos located east of J-2 by underground conveyor belts. Ore is transferred in metal hoppers and transported to the chlorination plant. | 1970s to Present - Residues on rail siding. | Metals (excluding antimony, barium, beryllium, cadmium, cobalt, copper, lithium, mercury, molybdenum, nickel, palladium, phosphorus, selenium, silver, thallium, tungsten); and radionuclides (Th-232, U-238, U-235 decay chains) |
| 8 | Coke Residues | A minor amount of unprocessed coke is lost in and around the rail siding. Coke is stored in silos northwest of Building J-5. Coke is delivered by metal hoppers to the chlorination facility. | Residues on rail siding. | Carbon |
| 9 | Pioche Manganese Slag | Slag was generated from a ferromanganese process conducted by Pioche Manganese from 1954 through 1958. | 1954 to 1958 - J-2 Landfill and Landfill S-20. | Metals, anions, and water quality indicators |
| 10 | WCF Brine (Reject Water) | Brine is generated from the WCF constructed in 2005 to treat facility OPW and CSD wastewaters. | 2005 to Present - On-site Ponds HP-1 and HP-6. These ponds were relined prior to receiving WCF brine. | Carbon, metals, anions, radionuclides (Th-232, U-238, U-235 decay chains), and water quality indicators |
| 11 | NCCW | NCCW sources include reduction vessel cooling water, Melt Unit 11 cooling water from welding operations, and cooling water jacket leakage. | 1950s to Present - Discharge to the Blast Ditch, to the Back Ditch, to the oil skimmer, and then to the Alpha Ditch. Discharge is included in facility NPDES permit. | Metals (chromium, copper, magnesium, titanium); phosphorus; anions (chloride); oil and grease; and water quality indicators |
| 12 | Unit 11 Discharges | These wastewaters included washdown water from melt areas (no longer generated), spent hydroblast liquids, water from ingot cutting, crucible cleaning water, furnace washout water, steam ejector vacuum water discharge (no longer generated), and cooling water from slotter machine (no longer generated). | 1950s to Present - Discharge to the Blast Ditch, to the Back Ditch, to the oil skimmer, and then to the Alpha Ditch. Discharge is included in facility NPDES permit. | Oil; metals (chromium, copper, iron, lead, mercury, selenium, silver, sodium, titanium); anions (chloride); and water quality indicators |
| 13 | Paint Shop Solvents (VOC) | Paint shop wastes include solvents, used paint cans, and brushes and other painting equipment | Prior to 1991 - J-2 Landfill. Solvents were blended with oil and used as a dust suppressant on plant roadways, or broadcast near Unit 7.<br>1991 to Present - all paint wastes are disposed off site. | Metals (barium, chromium, iron, lead, titanium, zinc) and VOCs |
| 14 | Wooden Pallets | Wooden pallets were stored and possibly burned at the site. | Landfill S-17 | PAHs and dioxins/furans |
| 15 | PCBs | PCB transformers were historically in use on the site and the WAPA facility. PCBs wastes result from leaking PCB electrical equipment in use and storage . | Maintenance Yard north of Building J-2, transformer storage area (vicinity of former J-9 tailings ponds), and the WAPA facility located along the southeast site border have had PCB contaminated oil leaks that have impacted facility soils and stormwater. Stormwater from the WAPA site discharges to TIMET's stormwater collection system at the southeast end of Avenue H and then to the Alpha Ditch. | PCBs |

**Table 4-1 (Continued)**
**Waste Stream Characterization**

| Waste Stream Number | Waste Stream Name | Description | Disposition | Known Site-Related Chemical |
|---|---|---|---|---|
| 16 | Petroleum Hydrocarbons | Petroleum hydrocarbon sources included USTs for gasoline, diesel or fuel oil; hydraulic fluids; melt shop hydraulic oil; equipment oil and greases. | Waste oil drain (2-inch pipe north end of gear/equipment room in Building J-5) Prior to 1981 - Spent oil was used as a dust suppressant on plant roadways (estimated 5,000 gallons total).<br>1981 to present - All used oil is shipped off site for recycling. All USTs have been removed or closed in-place. UST closures have been obtained from Clark County or NDEP, or are in process. | TPH, metals (chromium, cadmium, lead), and VOCs (BTEX) |
| 17 | Magnesium Wastes | Wastewater and solid wastes were generated from magnesium production processes. | 1941-1944 - Magnesium production wastes were routed to the J-9 Tailings ponds . Solid wastes were place into the S-18/J-2 Landfill and other wastewaters were discharged off site to the BMI tailings ponds. | Metals (aluminum, antimony, beryllium, cadmium, cobalt, magnesium, nickel, thallium, zinc); anions; radionuclides (Th-232, U-238, U-235 decay chains); and water quality indicators |
| 18 | Nonhazardous Plant Solid Wastes | Nonhazardous plant solid wastes include sandblasting dust, chlorinator bed dump, condenser rake outs, chlorinator brick, scrubber packing, floor sweepings, baghouse and cyclone dusts, burnt sponge, carbon anodes, electrolytic salt waste, cell runouts, anodes, magnesium recovery bricks, magnesium chloride, furnace scale, rubber hoses and gaskets, titanium dusts, magnesium and magnesium chloride chips and dusts, scrap metals, construction demolition wastes including asbestos, and oily solid wastes from past spill cleanups. | Prior to 1979 - BMI Landfill.<br>1979 to present - J-2 Landfill. | Metals, anions, radionuclides (Th-232, U-238, U-235 decay chains), water quality indicators, and asbestos |
| 19 | Magnesium Oxide/Silica Sand/Sandblasting Media | Magnesium oxide is removed from vessels by sandblasting with silica sand (formerly), and currently with sandblasting material (Black Beauty). The area used to conduct this facility operation is adjacent to the south side of Avenue G and west of the property line. | Current operating area adjacent to the south side of Avenue G and west of the property line contains blasting materials and residues of magnesium oxide sandblasted from kettles. Possible residues from kettle cleaning by sandblasting using silica sand historically, and black beauty. Residues from kettle cleaning are removed along with sandblast material to the J-2 Landfill | Metals (magnesium, silicon) |
| 20 | Scrap Metal, Recyclable Metals, Alloys, Waste Roofing Tar | Material storage, rubble and debris area, and drum storage areas (LOU items 54c and 54f-54n) are present at the site. LOU 54c is a "Rubble and Debris" area that was reported in the ECA on Plate 1 and is believed to be scrap that has been relocated (IIS). LOU items 54f-54n are the drum storage areas referenced in the ECA. The drums were inventoried and found to contain solids, including scrap metal, recyclable metals, alloys, and solidified roofing tar. | Scrap metals are recycled off site, other alloys are used in the process. Solidified roofing tar is disposed of off site. | Metals (excluding antimony, barium, beryllium, cadmium, cobalt, copper, lithium, mercury, molybdenum, nickel, palladium, phosphorus, selenium, silver, thallium, tungsten); and PAHs |
| 21 | Nitric Acid and Hydrochloric Acid | The former rail acid delivery and acid tank farm areas (LOU items 8 and 9) were used for receiving and storing nitric and hydrochloric acids. The acid tank farm base materials were removed and disposed of off site, the tank farm was lined, and tank farm berms were increased in height in 1992. The tank farm ceased operations in 1993. | 1950s to 1993 - The former acid tank farm and acid rail car unloading areas drained to the OPW collection system. | Nitric acid and hydrochloric acid |
| 22 | Titanium Tetrachloride Liquid Residues | Titanium tetrachloride is loaded into railcars as part of current operations. | Current operating area for loading. | Titanium tetrachloride |

**Table 4-1 (Continued)**
**Waste Stream Characterization**

| Waste Stream Number | Waste Stream Name | Description | Disposition | Known Site-Related Chemical |
|---|---|---|---|---|
| 23 | BMI Waste Streams | Wastewater from other BMI facilities located to the west discharged to drainage ditches that intersected the NSA of the TIMET Plant Site. These wastewaters flowed into the former BMI Pond in the NSA and were then discharged off site. Historically the off-site ditches that discharged to this area included the Trade Effluent Ditch, caustic from Outfall (R-4), the Alpha Ditch, the Beta Ditch, and the Northwest Ditch. Wastewaters included process effluents, NCCW, and stormwater from BMI companies located to the west. | 1940s to Present - NSA. | Metals, anions, organochlorine pesticides, PAHs, petroleum hydrocarbons, PCBs, VOCs, radionuclides, and water quality indicators |
| 24 | Sodium Hydroxide/Potassium Hydroxide | Residual NaK (about 8 ounces) was removed from crucible cleaning jackets with steam. The NaK reacts with steam to form sodium hydroxide and potassium hydroxide. | Until Mid-1980s - Cleaning of the residual NaK with steam occurred outside and just south of Building K-53 on an infrequent basis when there was a crucible jacket failure. This practice has been discontinued. | Sodium hydroxide and potassium hydroxide |

Notes:

| | | | |
|---|---|---|---|
| ACM | Asbestos-containing material | NSA | Northern Storage Area |
| BMI | Basic Management, Inc | OPW | Other processed waste |
| BTEX | Benzene, toluene, ethyl benzene, xylenes | PAH | Polycyclic aromatic hydrocarbon |
| CSD | Continuous sludge dryer | PCB | Polychlorinated biphenyl |
| ECA | Environmental conditions assessment | PVS | Purification vent scrubber |
| IIS | Initial Information submittal | Th | Thorium |
| LL | Leach Liquor | TIMET | Titanium Metals Corporation |
| LOU | Letter of understanding | U | Uranium |
| NAK | Sodium-potassium | UST | Underground Storage Tank |
| NCCW | Noncontact Cooling Water | VOC | Volatile Organic Compound |
| NDEP | Nevada Division of Environmental Protections | WAPA | Western Area Power Administration |
| NPDES | National Pollution Discharge Elimination System | WCF | Water Conservation Facility |

Sources

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**Table 4-2**
**Source Areas**

| PSA No. | Location | LOU No. | Description | Dates of Contruction, Modification, Operation | Discussion | PSA Dimensions | Waste Streams | Sample ID Nos. | Analytical Methods Required to Characterize | Principal Chemicals |
|---|---|---|---|---|---|---|---|---|---|---|
| **Source Area: Surface Ditches and Northern Storage Area** | | | | | | | | | | |
| 1 | Parcel D | 2 | Northern Storage Area | NA | Storage of solids from CSD ponds and caustic pond, refractory brick, construction equipment, concrete, magnesium chloride ingots, reactor lids, asbestos, and coke. The storage area is unlined and is traversed by inactive drainage segments of the previous liquid waste distribution facilities. The former BMI pond and siphon that are BMI Common Area issues are also located in this area. | 13 Acres | CSD solids, OPW, spent caustic chlorinator dust scrap metal, recyclable metals, alloys, waste roofing tar | RP-2-0/0, TMSB-105, TMSB-125, TMSB-106, TMSB-107, TMSB-108, IDN10-02, IDN16-01 | Metals<br>Anions<br>Radionuclides<br>WQ Indicators<br>Asbestos | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Th-232, U-238 and U-338 Decay Chains, Chloride, Sulfate, Nitrate, Asbestos |
| 11 | Parcels C and D and west of Parcels C and D | 43, 53 | Former Drainage Ditches | Construction: Before 1943<br>Modification: Dates unknown<br>Operation: From at least 1943 to late 1970s | Beta Ditch, inactive site ditches, Northwestern Ditch, Mystery Ditch, and former BMI pond. The Beta Ditch is an abandoned unlined ditch located along the northern boundary of the TIMET facility and the southern boundary of the Pabco Ponds Area. The Beta Ditch was active from at least 1943 until 1976 and was used to transport process water along with liquid effluent wastes from the BMI Complex facilities to an unlined tailings ponds area. The Mystery Ditch is an approximate 100-foot , open unlined stormwater drainage ditch that flows from the property, west to the north. TIMET records suggest that the Mystery Ditch may have contained evaporative cooler water or floor washings from a maintenance shop in Unit 7 that repaired metal tote containers. The BMI pond was a small unlined impoundment. | Not Applicable | OPW, spent caustic, leach liquor, NCCW, Unit 11 discharges, BMI wastewater | TMSB-106,107,108,109,110, 124, RP-3-0/0, IDN10-01, IDN12-01, IDN10-02, IDN16-01, MD-01, SF-01 | Metals<br>Anions<br>Radionuclides<br>VOCs<br>PAHs<br>Organochlorine Pesticides<br>PCBs<br>Petroleum Hydrocarbons<br>WQ Indicators | All site-related chemicals except asbestos |
| **Source Area: Near-Surface Soil Source Area** | | | | | | | | | | |
| 3 | Parcel C | 21 | Francy's Mountain | Construction: 1950<br>Modifications: NA<br>Operation: 1950 to 1967 | In this area, mixed chlorinator dust and CSD solids from the CSD ponds were place directly over native soil. Landfilling activities ceased in 1967. The contents of Francy's Mountain were removed and disposed of off site. | Volume: 8,600 cubic yards | CSD solids, OPW, chlorinator dust | None | Metals<br>Anions<br>Radionuclides<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Th-232, U-238 and U-338 Decay Chains, Chloride, Sulfate, Nitrate |
| 9 | Natural Stormwater Drainage Detention Area | NA | Low-lying area adjacent to the east side of site Pond HP-6. | NA | This low-lying area collects stormwater runoff from north and west of the on-site landfill. The area north and west of the on-site landfill is used for temporary storage of chlorinator dust and anodes. | 0.67 Acres | Chlorinator dust | TMSB-126 | Metals<br>Anions<br>Radionuclides<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Rad, Chloride, Sulfate, Nitrate |
| 12 | Parcel C | 44 | Alpha Ditch | Construction: Before 1943<br>Modification: Dates unknown<br>Operation: Before 1943 until present | The Alpha Ditch is an active unlined conveyance ditch that traverses the eastern portion of the TIMET Plant Site and discharges northeast to the Pabco Ponds Area. Until the Pittman Bypass pipeline was constructed in 1985, the Alpha Ditch discharged stormwater and noncontact process water from various industries in the BMI Complex. Stormwater from the WAPA facility located along the southeastern border of the site is discharged to the TIMET stormwater collection system. Only surface water runoff or wastewater exceeding the bypass pipeline capacity are currently discharged through the Alpha Ditch per NPDES permit requirements. Discharged wastewaters include or have included venturi scrubber water, NCCW, liquid discharges from Unit 11, dewatering box water, swamp cooler water, and hydroblast descaling water. Discharges have occurred coincident with system failures such as pipe breakage and valve failures. Approximately 6.4 mgd are discharged to the current Alpha Ditch, which is approximatley 260 feet long. | Length: 260 feet<br>Width: 6-10 feet<br>Depth: 3-5 feet | NCCW, Unit 11 discharges, TPH, PCBs | AD-01, AD-02 | Metals<br>Anions<br>PCBs<br>Petroleum Hydrocarbons<br>WQ Indicators | Ti, Cr, Cu, Mg, Chloride |

**Table 4-2 (continued)**
**Source Areas**

| PSA No. | Location | LOU No. | Description | Dates of Contruction, Modification, Operation | Discussion | PSA Dimensions | Waste Streams | Sample ID Nos. | Analytical Methods Required to Characterize | Principal Chemicals |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Parcel C | 22 | S-17 Landfill | NA | This is an area identified as a landfill, based on a review of aerial photographs by an EPA contrator, and indicated to contain mounded dirt and a bermed area. The area was observed in a 1960 aerial photograph, but was no longer visible in a 1969 aerial photograph. The area was estimated to be 1.2 acres in size. No facility records indicated the presence of a landfill in this area. Based on aerial photographs from 1963, 1969, and undated photographs and knowledge of historical site operations, TIMET believes that the area was not a landfill. There is no evidence of landfilling activites in the photographs reviewed. TIMET believes this is an area where wooden pallets were stacked and possibly burned. | 1.2 Acres | Wooden pallets | S-17-1, S-17-2, S-17-3 | PAHs<br>Dioxins/Furans | PAHs,<br>Dioxins/furans |
| 18 | Parcel B | 24 | Area of Stained Soil Between Units 8 and 9 | NA | This is an area on the 13th Street roadway just north of Units 8 and 9 that appears with a darkened pattern in an aerial photograph dated June 1963. The Phase I ECA identified the darkened area as potential staining from possible spills from the purification process. Aerial photographs from May 1961 and November 1963 also show a darkened pattern that corresponds with a high traffic area on the 13 Street roadway. TIMET believes that the darkened areas on the 13th Street roadway are from rubber tire marks because the darkened area does not extend from the roadway to the purification process area and no darkened or stained areas were observed in the aerial photographs in the purification process area. | 0.2 Acres | None | None | None | None |
| 19 | Parcel B | 29 | Vicinity of Northwest Corner of Unit 7 | NA | This is an area where solvents from the paint shop may have been disposed. The area was assessed in the roadway sampling. | 0.25 Acres | Paint Shop Solvents | RI-12-0/0 | Metals<br>VOCs | TCE<br>PCE |
| 20 | Parcel B | 31 | Unit 10 Demolition Soil Stockpile | NA | During the demolition of Unit 10, about 70 tons of hyrocarbon-contaminated soils was destroyed by Las Vegas Paving. Documentation of the destruction and the Clark County Health District closure letter indicating no futher remediation is required was submitted to NDEP in the IIS. NDEP has requested justification for no further action. | 0.23 Acres | TPH | None | Petroleum Hydrocarbons | TPH |
| 21 | Parcels B and C | 32 | Back Ditch | Construction: 1976<br>Modifications: 1988, Use of unlined portion of Back Ditch ceased, pipe installed to transport effluents previously dishcarged to the unlined portion<br>Operation: 1976 - Present | This ditch contained discharges from the hydroblast descaling water channel/Unit 11 Discharge Channel (see PSAs 28 and 29). The Back Ditch originally consisted of an appoximately 650-foot-long, 18-inch reinforced concrete pipe conduit that discharged into an aproximately 960-foot unlined bermed channel (Phase I, 5-6). The unlined portion of the Back Ditch is no longer in use. TIMET excavated contaminated soils in the ditch in 1999. Documentation of the excavation was submitted to NDEP in the ECIA. | Reinforced Concrete Pipe<br>Length: 650 feet<br>Diameter: 1.5 feet<br><br>Unlined Bermed Channel<br>Length: 960 feet | NCCW,<br>TPH | BD-01, 02, 03, 04, 05, 06, 07, 08 | Metals<br>Anions<br>Petroleum Hydrocarbons<br>WQ Indicators | Ti, Cu, Fluoride, TPH |
| 22 | Parcel C | 33 | Boneyard | NA | This is a large area north of the J-2 Landfill and south of the Boulder Highway. The area is used for storage of intermediate process materials, titanium fines, titanium scrap storage, equipment storage, other metals storage, and MgCl2 storage. Materials are stored in bulk, on pallets, and in drums on bare soil (Phase I, 4-36). NDEP stated that no further characterization is required except for one large transformer observed in the area on June 3, 1993. TIMET moved the non-PCB transformer to the transformer storage area (LOU 25). | 4.7 Acres | PCBs | None | PCBs | PCB |

**Table 4-2 (continued)**
**Source Areas**

| PSA No. | Location | LOU No. | Description | Dates of Contruction, Modification, Operation | Discussion | PSA Dimensions | Waste Streams | Sample ID Nos. | Analytical Methods Required to Characterize | Principal Chemicals |
|---|---|---|---|---|---|---|---|---|---|---|
| 23 | Parcel B | 34, 30 | Soils in Area South of Building K-53 Bay Doors | Construction: NA<br>Modification: NA<br>Operation: Unknown to mid-1980s | Building K-53 is a miniature melt shop, a machine shop, and a mechanical testing labaratory. When there was a crucible jacket failure, residual NaK (a heat transfer fluid) was historically cleaned outside Building K-53. This occurred approximately twice a year. Prior to cleaning outside, the NaK was drained from the crucible jacket into an indoor reservoir. The crucible jacket was then purged with dry steam outside the building to remove any residual liquid (approximately 8 fluid ounces). The NaK from the jacket reacts with the cleaning water to form sodium and potassium hydroxides, which were allowed to infiltrate into the soil. Crucible jacket cleaning operations have not been conducted in this area since the mid-1980s. | 0.2 Acres | Sodium and potassium hydroxide | None | Metals<br>WQ Indicators | Na, K |
| 25 | Parcel B | 41 | Chemtec Corporation Site | Construction: NA<br>Modification: NA<br>Operation: 1975-1978 | Chemtec leased Building K-55 for a period of about 3 years. Operations are believed to be a laboratory and possibly a pilot plant. Industrial wastewater containing acids was discharged to the OPW system. Components of the wastewater included approximately 2 gallons per week of acids (hydrochloric acid, nitric acid, and sulfuric acid), sodium salts, and small quantities of standard laboratory reagents. Tailings were stored outside the building. No evidence of Chemtec operations remain at Building K-55. | 0.2 Acres | OPW | None | Metals<br>Anions<br>WQ Indicators | Sulfate, Nitrate |
| 28, 29 | Parcel B | 51, 52 | Hydroblast Descaling Water Channel, Unit 11 Liquid Discharge Channel | Construction:1957<br>Modification: NA<br>Operation: 1957 - present | Liquid wastes from the melt shop include hydroblast descaling water, NCCW, washdown water, crucible cleaning water, furnace washout water, and steam ejector water are discharged to the concrete-lined Blast Ditch. Prior to discharge to the Blast Ditch, hydroblast descaling water is directed through a sedimentation chamber to separate solids. A report detailing sampling and analysis in this channel was submitted with the IIS. | Length: 700 feet<br>Width: 75 feet<br>Depth: 20 feet | NCCW,<br>Unit 11 discharges,<br>TPH | None | 1,2,9,10<br>Metals<br>Anions<br>Petroleum Hydrocarbons<br>WQ Indicators | Ti, Cr, Cu, Chloride |
| 31 | Parcels B, C, and D | 27,28 | Perimeter and Interior Roadways | Construction: 1940s<br>Modification: NA<br>Operation: 1940s - 1981 | Solvents blended with waste oil were disposed of on the roadways for dust control. The ECA reports that prior to 1981 waste oil was used as a dust suppressant on roadways. Sampling and analysis was conducted and reported during the ECI. | Length:<br>28,800 feet | Leach liquor,<br>TPH | RP-1, 2, 3, 4, 5, 6, 7, 8, RP-6A, RP-6B, RP-6C, RI-9-0/0, RI-10, 11, 12-0/0 | Metals<br>Anions<br>VOCs<br>Petroleum Hydrocarbons | Pb, Cd, Mg, TPH, Chloride, Sulfate, Nitrate |
| 32 | Parcel B | 54b | White Material Deposits | NA | This operating area is an abrasive blast area where various equipment parts are cleaned. The IIS reports that the white material deposits are believed to be magnesium oxide cleaned from equipment or silica sand used for abrasive blast. The area is paved with asphalt, and the white material deposits are routinely removed and disposed of in the J-2 Landfill. | 0.2 Acres | Magnesium, oxide/sandblasting media | None | Metals | Mg, Si |
| 34 | Parcel B | 54d | Spill Stain on Avenue F | NA | The spill stain referenced in the ECA is believed to be in areas where magnesium chloride solution was sprayed for dust control in the past. This area was addressed as part of the roadways investigation. | 0.5 Acres | Leach Liquor | None | Metals<br>Anions<br>WQ Indicators | Mg, Chloride |
| 35 | Parcels B and C | 54f-54n | Drum Storage Areas | NA | The drums in the drum storage areas were inventoried during the ECI and found to contain scrap metals, rubber hoses, in-process materials, alloys for use in the melt shop, recycleable metals, and some roofing tar material (that were disposed of off site). There were no apparent leaks in any of the drums. | NA | Scrap metal, recyclable metals, alloys, waste roofing tar | None | Metals<br>PAHs | Ti, PAHs |

**Table 4-2 (continued)**
**Source Areas**

| PSA No. | Location | LOU No. | Description | Dates of Contruction, Modification, Operation | Discussion | PSA Dimensions | Waste Streams | Sample ID Nos. | Analytical Methods Required to Characterize | Principal Chemicals |
|---|---|---|---|---|---|---|---|---|---|---|
| 36 | Parcel B | 8,9 | Rail Delivery Areas and Acid Tank Farm and Ancillary Piping | Construction: 1950s<br>Modification: NA<br>Operation: 1950s - 1993 | Unlined rail delivery areas historically recieved acidic solution products for leaching. Four ASTs containing hydrochloric acid and three ASTs containing nitric acid were located within the acid tank farm. Each tank had a capacity of approximately 25,000 gallons. The tanks were located on neutralizing limestone rock over soil. The acid tank farm was bermed and any runoff from the acid tank farm was directed to the OPW drain system. In November 1985, an ancillary piping failure occurred in the main HCl feed line outside of Unit 8. The volume of HCl released is unknown. In December 1988, a second ancillary piping failure occured and approximatley 1,500 to 2,000 gallons of nitric acid leaked from the main supply line from the acid tank farm. As a result of the failure, the HCl supply line also failed and approximatley 400 to 500 gallons of HCl was released to subsurface soils. Leaching acids are no longer used at the TIMET facility. The tanks have been filled with water and remain in place. TIMET proposed to assess any leaks from the tank farm in the groundwater investigation. | 0.4 Acres | Nitric acid, hydrochloric acid | None | Anions<br>WQ Indicators | Chloride, Nitrate, Mg, Ti |
| 37 | Coke Unloading | NA | Coke Storage Silo | NA | Fine-grained coke is unloaded from railcars into a silo located in a three-sided building. Coke is loaded into lugger boxes for transport by forklift to chlorination (Unit 8). | 0.2 Acres | Coke residues | None | None | None |
| 38 | Titanium Tetrachloride Loading | NA | Titanium Tetrachloride Railcar Loading | NA | Liquid titanium tetrachloride is loaded from five storage areas into railcars for shipment. Drip pans along the railroad are used to capture drips or spills. | 0.18 Acres | Titanium tetrachloride, liquid residues | None | Metals<br>Anions<br>Radionuclides | Ti, Chloride, Rad |
| **Source Area: Pond Areas** | | | | | | | | | | |
| 2 | Parcel C | 19 | CSD North and South Ponds | Construction: 1950s<br>Modifications: 1976, Expanded and single-lined with Gilsabine asphalt liners<br>Operation: 1950s to 2005 | From the 1950s to the 1970s, wastes from the chlorination process, scrap reclaim, and the purification process were discharged to the CSD ponds. Beginning in the 1970s, CSD solids slurried with OPW effluent, sponge water, and wet scrubber effluent from the leaching process, and makeup water from chlorination process wash towers were neutralized with lime and discharged into the CSD North and South Ponds. The ponds were earthen bermed and unlined until 1976. The dimensions of the orginal ponds were 150 feet by 50 feet, with an unknown depth. The ponds are no longer in use. The contents of the CSD North and South Ponds were removed and disposed of off site. The ponds were excavated to a depth of 10 feet. | North CSD Pond<br>Length: 164 feet<br>Width: 66 feet<br>Depth: 5.8 feet<br>Area: 0.5 Acres<br><br>South CSD Pond<br>Length: 161 feet<br>Width: 61 feet<br>Depth: 6.5 feet<br>Area: 0.5 Acres<br><br>(Phase I, Table 5-1) | CSD solids, OPW | TMSB-123 | Metals<br>Anions<br>Radionuclides<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Rad, Chloride, Sulfate, Nitrate |
| 5 | Parcel C | 46 | Site Pond SW-1 | Construction: 1976<br>Modifications: none reported<br>Operation:1976-1990 | The SW-1 pond is an inactive PVC double-lined pond constructed in 1976 over the old unlined North Nitrate Pond. The SW-1 pond received leach liquor from 1976 until 1984. From 1984 until 1990, the pond was used as a settling/overflow pond for the OPW liquid wastes. Primary and secondary liner failure is documented. SW-1 is currently filled with CSD solids. | Length: 384 feet<br>Width: 240 feet<br>Depth: 17 feet | CSD solids, OPW, leach liquor | None | Metals<br>Anions<br>Radionuclides<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Rad, Chloride, Sulfate, Nitrate |
| 6 | Parcel C | 47 | Site Pond HP-1 | Construction: 1979<br>Modifications: new HDPE liners with leak detection installed in 1993 and 2005<br>Operation:1979 to present | The HP-1 pond is an active PVC double-lined settling and overflow pond constructed over the old unlined South Nitrate Pond. The HP-1 pond was used to receive cooling tower blowdown and non-contact cooling water since 1976 and leach liquor from 1976 to 1990. Primary liner failure was noted in 1989. HP-1 pond is used to collect and evaporate the WCF brine. | Length: 396 feet<br>Width: 312 feet<br>Depth: 14 feet | Leach liquor, WCF brine, NCCW | None | Metals<br>Anions<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Chloride, Sulfate, Nitrate |
| 7 | Parcel C | 48 | HP-6 Pond | Construction: 1991<br>Modifications: new double liner installed in 2006<br>Operation:1991 to present | The HP-6 Pond is an active double-lined evaporation pond for leach liquor and spent caustic wastewater constructed in 1991. HP-6 was emptied and a new double liner was installed. The HP-6 pond is used for recycling spend caustic wastewater. | 2.7 Acres | Spent caustic, leach liquor, WCF brine | None | Metals<br>Anions<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Chloride, Sulfate, Nitrate |

**Table 4-2 (continued)**
**Source Areas**

| PSA No. | Location | LOU No. | Description | Dates of Contruction, Modification, Operation | Discussion | PSA Dimensions | Waste Streams | Sample ID Nos. | Analytical Methods Required to Characterize | Principal Chemicals |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | Parcel C | 16, 20 | Old Caustic Pond/CSD Stockpile | Old Caustic Pond<br>Construction: 1966<br>Modification: NA<br>Operation: 1966-1976<br><br>CSD Stockpile<br>Construction: late 1970s<br>Modification: NA<br>Operation: late 1970s to early 1991 | This area contains an abandoned, unlined caustic wastewater disposal and evaporation pond. Caustic liquids discharged to the caustic pond include spent caustic scrubber water used to remove chlorine gas from the chlorination process and the magnesium recovery process. From the late 1970s until early 1991, dredged CSD solids from the CSD north and south ponds were stockpiled in this area and allowed to dry through evaporation and gravity drainage of liquids. Dried CSD solids were removed from the old caustic pond and disposed of elsewhere. This area is inactive. | Old Caustic Pond<br>Length: 260 feet<br>Width: 180 feet<br>Depth: 2 feet | CSD,<br>spent caustic | C-1, C-2, C-3, TMSB-121 | Metals<br>Anions<br>Radionuclides<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Rad, Chloride, Sulfate, Nitrate |
| 27 | Parcel C | 50 | BMI J-9 Tailings Ponds | Construction:1942<br>Modification: none<br>Operation: 1942-1944 | This area consists of two small tailings ponds (approximately 0.23 acres each) used by BMI from 1942 to 1944 for discharge of magnesium-manufacturing wastes. The tailings ponds were constructed of concrete and wood reservoirs and were open to the surface (Phase I, 5-42). A portion of the J-9 tailings ponds were capped during the current construction of the WCF. | Approximately 0.23 acres each | Magnesium wastes | JS-01 | Metals<br>Anions<br>Radionuclides<br>WQ Indicators | Mg |
| **Source Area: J-2 Landfill Area** | | | | | | | | | | |
| 16 | Parcel C | 12 | Used Paints and Solvent Area | NA | This is an area on the J-2 Landfill cap that was used to store used paint and solvent from the paint shop. The paint and solvent are stored in drums on pallets. There are no records or evidence of spills or disposal of paint/solvent mixtures in this area. | 0.27 Acres | Paint shop solvents | TMSB-120 | Metals<br>VOCs | TCE<br>PCE |
| 30 | Parcel C | 1, 38 | J-2/S-18 Landfill | Construction: 1954<br>Modification: 1990s, landfill expansion with new lined cell<br>Operation: 1954-present | The S-18 Landfill was operated by Pioche Manganese from 1954 to 1958. There is no record of the material placed into the landfill. The S-18 Landfill is contiguous to the south side of the current J-2 Landfill and is essentially contained within the J-2 Landfill. The J-2 Landfill was purchased by TIMET in 1979 from Pioche Manganese. Manganese slag was a major waste produced by Pioche Manganese. The J-2 Landfill is currently in operation and recieves nonhazardous solid plant wastes, including inert metals and salts, construction debris, and packing materials. The original unlined landfill operated as a cut-and-fill landfill constructed with a low earth barrier upgradient of the landfill to divert surface runoff around the lanfill. The landfill was measured as approximately 7.2 acres in size during an EPA aerial reconnaissance. The J-2 Landfill cell at the north end of the landfill is lined. | 11.2 Acres | CSD solids,<br>ACM,<br>chlorinator dust,<br>Pioche manganese slag,<br>nonhazardous plant solid waste,<br>magnesium oxide/sandblasting media | TMSB-117, 118, 119, 120 | Metals<br>Anions<br>Radionuclides<br>VOCs<br>Petroleum Hydrocarbons<br>WQ Indicators<br>Asbestos | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Rad, Chloride, Sulfate, Nitrate |
| 33 | Parcel B | 54c | Rubble and Debris | NA | The source of the rubble and debris reported in the ECA is unknown but is believed to be scrap material that was relocated. | 0.2 Acres | Scrap metal, recyclable metals, alloys, waste roofing tar | None | Metals<br>PAHs | None |
| **Source Area: Current and Historical Operational Areas** | | | | | | | | | | |
| 4 | Parcel B | 39 | Pioche Manganese Landfill S-20 | Construction:1954<br>Modifications: Graded in late 1960s to early 1970s<br>Operation:1954 - 1958 | Site of former manganese slag stockpile from Pioche Manganese. The site was graded sometime in the late 1960s to early 1970s. The graded area is used for equipment storage. | Approximately 5 acres | Pioche manganese slag | PM1, PM2, PM-1/B-1/, PM-K/l-6/, PM-J/K-8/, TMSB-116, TMSB-115 | Metals<br>Anions<br>WQ Indicators | Mn |
| 13 | Parcel B | NA | Rutile off loading area | Construction: NA<br>Modification: NA<br>Operation: 1950s to present | Area where Rutile ore is off-loaded from rail cars and transferred to storage area. Best management practices are addressed in the stormwater pollution prevention plan. A minor amount of unprocessed rutile ore is lost in the vicinity of the rail siding due to spillage and wind transport. | Area: 2.1 acres | Rutile residues | None | Metals<br>Radionuclides | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Rad |

**Table 4-2 (continued)**
**Source Areas**

| PSA No. | Location | LOU No. | Description | Dates of Contruction, Modification, Operation | Discussion | PSA Dimensions | Waste Streams | Sample ID Nos. | Analytical Methods Required to Characterize | Principal Chemicals |
|---|---|---|---|---|---|---|---|---|---|---|
| 15 | Parcel B | 10 | Materials and Equipment Storage Area Located East of Building J-2 | Construction:1967<br>Modifications: Early 1990s - UST and contaminated soils removed, soil venting system installed to remediate remaining contamination<br>Operation: 1967 - 1991 | This is an area used for storage of incoming new and replacement equipment, bulk (drummed) materials, and other items used at the TIMET facility. The storage area is partially asphalted. Several 55-gallon unopened drums of TCE solvents located on wooden pallets over soil were observed in this area during the Phase I site reconnaissance. A 2,000-gallon, single-walled steel UST containing leaded gasoline was installed in 1967 and removed in 1991. Pressure testing conducted prior to tank removal indicated that the tank was leaking leaded gasoline at a rate of appoximatley 0.15 gallons per hour. The UST and contaminated soils were removed. A soil venting system was installed in the excavated area to remediate remaining contamination. Further investigation was conducted in June 1997 as part of the ECI. Approval of final closure was requested in February 1998. | 0.2 Acres | TPH | UST-06 | Metals<br>VOCs<br>Petroleum Hydrocarbons | None |
| **Subsurface Piping[1]** | | | | | | | | | | |
| 10 | Parcels B, C, and D; the piping in this source area is addressed in the above five source areas based on location. | 43 | Conveyances-Subsurface Piping | Various | Current and historic piping locations for stormwater, OPW, CSD, caustic, and leach liquor. The current zero discharge liquid effluent delivery piping system consists of a variety of buried and surface pipelines, including a 6-inch Drisco pipe for Alpha system discharge water diversion, a 6-inch Drisco pipe for the CSD solid wastes, a 6-inch Drisco pipe for leach liquor conveyance, an 8-inch PVC pipe for SC delivery and an 8-inch pipe for OPW wastes. The pipelines are single-walled. Historic piping and conveyance systems included BMI's cooling water underground pipeline system. | Various | CSD solids,<br>OPW,<br>leach liquor,<br>spent caustic,<br>WCF brine,<br>NCCW,<br>nitric acid/<br>hydrochloric acid | | Metals<br>Anions<br>Radionuclides<br>WQ Indicators | Ti, Zr, Cr, Nb, V, Mg, Si, Na, Rad, Chloride, Sulfate, Nitrate |

Notes:

1 Subsurface Piping is described separately from each source are in order to avoid duplication of text. Subsurface piping will be managed for the purpose of this CSM and future actions based on the location in the five identified source areas listed in this table.

| | | | | | |
|---|---|---|---|---|---|
| ACM | Asbestos-containing material | mgd | million per gallon | PVS | Purification vent scrubber |
| AST | Aboveground storage tank | NA | Not applicable | Rad | Radionuclides |
| BMI | Basic Management, Inc | NAK | Sodium-potassium | SC | Spent Caustic |
| CSD | Continuous sludge dryer | NCCW | Noncontact Cooling Water | SW | Southwest |
| ECA | Environmental conditions assessment | NDEP | Nevada Division of Environmental Protections | TCE | Trichloroethylene |
| ECI | Environmental conditions investigation | NPDES | National Pollution Discharge Elimination System | TIMET | Titanium Metals Corporation |
| ECIA | Environmental conditions investigation addendum | OPW | Other processed waste | TPH | Total petroleum |
| EPA | U.S. Environmental Protection Agency | PAH | Polycyclic aromatic hydrocarbon | UST | Underground storage tank |
| HCl | Hydrochloric Acid | PCB | Polychlorinated biphenyl | VOC | Volatile organic compound |
| HDPE | High-Density Polyethylene | PCE | Tetrachlorethene | WAPA | Western Area Power Administration |
| IIS | Initial information submittal | PSA | Potential source area | WCF | Water Conservation Facility |
| LOU | Letter of understanding | PVC | Polyvinyl chloride | WQ | Water quality |
| MgCl2 | Magnesium Chloride | | | | |

Elements:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cd | Cadmium | Mg | Magnesium | Si | Silicon | U | Uranium |
| Cr | Chromium | Na | Sodium | Th | Thorium | V | Vanadium |
| Cu | Copper | Nb | Niobium | Ti | Titanium | Zn | Zinc |
| K | Potassium | Pb | Lead | | | | |

Sources:

Hydro-Search, Inc. 1996. "Initial Information Submission Pursuant to Letter of Understanding dated August 16, 1994 between Nevada Division of Environmental Protection and Titanium Metals Corporation." June 7.

Law Engineering, Inc. 1993. "Final Report of Phase I Environmental Conditions Assessment." Prepared for TIMET under Project No. 92136.504. April 15.

Tetra Tech EM Inc. (Tetra Tech). 1998. "Final Environmental Conditions Investigation Report." Prepared for TIMET. October 15.

Tetra Tech. 1999. "Environmental Conditions Investigation Addendum Draft Report, Titanium Metals Corporation Facility, Environmental Conditions Investigation, Henderson, Nevada." Prepared for TIMET. September 24.

**Table 5-1 Beta Ditch Confirmation Samples**
**Beta Ditch Remediation**
**TIMET, Henderson, NV**

| | | Location Name | BD-1 | | BD-13 | | BD-16 | | BD-17 | | BD-2 | | BD-2 | | BD-3 | | BD-4 | | BD-5 | | NW-1 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sample Name | BD-1 | | BD-13 | | BD-16 | | BD-17 | | BD-2 | | Duplicate Beta Ditch 2 | | BD-3 | | BD-4 | | BD-5 | | NW-1 | |
| | | Sample Date | 9/25/2013 | | 9/23/2013 | | 9/25/2013 | | 9/25/2013 | | 9/25/2013 | | 9/25/2013 | | 9/25/2013 | | 9/25/2013 | | 9/23/2013 | | 9/23/2013 | |
| Analyte | Units | Outdoor Industrial Worker BCL | | | | | | | | | | | | | | | | | | | | |
| **PCB CONGENERS** | | | | | | | | | | | | | | | | | | | | | | |
| Total PCBs (Lab calculated) | mg/kg | 0.83 | 0.0549 | J | 0.0202 | J | 0.513 | J | 0.814 | J | 0.761 | J | 0.515 | J | **6.28** | J | **1.06** | J | 0.118 | J | **0.883** | J |
| Total TEQ-PCB Congener Only | mg/kg | NS | 0.00000602 | J | 0.000000108 | | 0.0000618 | | 0.000105 | | 0.0000713 | | 0.0000542 | J | 0.000852 | | 0.000114 | | 0.0000189 | J | 0.000101 | |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | |
| Niobium | mg/kg | 114 | NT | | NT | | NT | | NT | | NT | | NT | | NT | | NT | | NT | | NT | |
| **SVOCS** | | | | | | | | | | | | | | | | | | | | | | |
| Hexachlorobenzene | mg/kg | 1.2 | 0.27 | J | 0.35 | U | NT | | NT | | NT | | NT | | **55** | | NT | | 0.49 | J+ | NT | |
| **DIOXINS & FURANS** | | | | | | | | | | | | | | | | | | | | | | |
| Total TEQ-Dioxin/Furan only | mg/kg | NS | NT | | 0.00000193 | | 0.00575 | J | 0.00528 | | 0.00593 | | 0.00466 | | 0.0956 | | 0.0104 | | 0.00135 | | | |
| Total TEQ - Dioxin/Furan and PCB Congener | pg/g | 2700 | 6.02 | | 2.04 | | **5812** | J | **5385** | | **6001** | | **4714** | | **96452** | | **10514** | | 1369 | | 101 | |

**General Notes:**

1. NT = Not tested for this analyte.
2. mg/kg = milligrams per kilogram
3. pg/g = picograms per gram
4. PCBs - polychlorinated biphenyls
5. SVOCs = semi-volatile organic compounds
6. NS = No standard established
7. BCL for Niobium is from April 2013 NDEP Basic Comparison Levels (BCLs) Update, other BCLs are from the January 2013 document.
8. Gray shading and bolding indicates that the detected result value exceeds the BCL.

**Data Qualifiers:**

J - estimated value
U - indicates not detected to the reporting limit

**Table 5-1 Beta Ditch Confirmation Samples**
**Beta Ditch Remediation**
**TIMET, Henderson, NV**

| | | Location Name | NW-11 | | NW-17 | | NW-2 | | NW-20 | | NW-23 | | NW-24 | | NW-24 | | NW-5 | | NW-8 | | NW-9 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sample Name | NW-11 | | NW-17 | | NW-2 | | NW-20 | | NW-23 | | Duplicate Beta Ditch | | NW-24 | | NW-5 | | NW-8 | | NW-9 | |
| | | Sample Date | 9/4/2013 | | 8/23/2013 | | 9/23/2013 | | 9/23/2013 | | 9/12/2013 | | 8/23/2013 | | 8/23/2013 | | 9/4/2013 | | 8/23/2013 | | 9/4/2013 | |
| **Analyte** | **Units** | **Outdoor Industrial Worker BCL** | | | | | | | | | | | | | | | | | | | | |
| **PCB CONGENERS** | | | | | | | | | | | | | | | | | | | | | | |
| Total PCBs (Lab calculated) | mg/kg | 0.83 | **1.03** | J | 0.523 | J | **0.885** | J | NT | | 0.00931 | J | 0.359 | J | 0.384 | J | 0.00515 | J | NT | | NT | |
| Total TEQ-PCB Congener Only | mg/kg | NS | 0.000195 | J | 0.000138 | | 0.000114 | | NT | | 0.00000115 | | 0.0000636 | | 0.000057 | | 5.03E-09 | J | NT | | NT | |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | |
| Niobium | mg/kg | 114 | 34 | J+ | NT | | NT | | NT | | NT | | 12 | | 14 | | NT | | 2 | | NT | |
| **SVOCS** | | | | | | | | | | | | | | | | | | | | | | |
| Hexachlorobenzene | mg/kg | 1.2 | NT | | NT | | NT | | NT | | 0.16 | J | 0.36 | U | 0.37 | U | 0.37 | U | **5.2** | | NT | |
| **DIOXINS & FURANS** | | | | | | | | | | | | | | | | | | | | | | |
| Total TEQ-Dioxin/Furan only | mg/kg | NS | | | | | 0.0105 | | 0.0148 | | 0.000087 | J | 0.000468 | | 0.000542 | J | 0.0000412 | | 0.00632 | | 0.00146 | J |
| Total TEQ - Dioxin/Furan and PCB Congener | pg/g | 2700 | 195 | | 138 | | **10614** | | **14800** | | 88.2 | J | 532 | | 599 | J | 41.2 | | **6320** | | 1460 | J |

**General Notes:**

1. NT = Not tested for this analyte.
2. mg/kg = milligrams per kilogram
3. pg/g = picograms per gram
4. PCBs - polychlorinated biphenyls
5. SVOCs = semi-volatile organic compounds
6. NS = No standard established
7. BCL for Niobium is from April 2013 NDEP Basic Comparison Levels (BCLs) Update, other BCLs are from the January 2013 document.
8. Gray shading and bolding indicates that the detected result value exceeds the BCL.

**Data Qualifiers:**

J - estimated value
U - indicates not detected to the reporting limit

**TABLE 6-1**

**CONCEPTUAL SITE MODEL SUPPLEMENTAL INVESTIGATION SUMMARY**

Titanium Metals Corporation

Henderson, Nevada

| Area | Sample Location ID | Sample Type | Analyses | | |
|---|---|---|---|---|---|
| | | | ***Surface Soil*** | ***Subsurface Soil or Waste*** | ***Water*** |
| Northern Storage Area (PSA 1/LOU 2) | NS-B-1 | Surface & Subsurface Soil | Metals, Anions, Radionuclides | Metals, Anions, Radionuclides | NA |
| | NS-B-2 | Surface & Subsurface Soil | Metals, Anions, Radionuclides | Metals, Anions, Radionuclides | NA |
| | NS-B-3 | Surface & Subsurface Soil | Metals, Anions, Radionuclides | Metals, Anions, Radionuclides | NA |
| | NS-B-4 | Surface & Subsurface Soil | Metals, Anions, Radionuclides | Metals, Anions, Radionuclides | NA |
| | NS-SS-1 | Surface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| | NS-SS-2 | Surface Soil | Metals | NA | NA |
| | NS-SS-3 | Surface Soil | Asbestos, Metals | NA | NA |
| | NS-SS-4 | Surface Soil | Metals | NA | NA |
| | NS-SS-5 | Surface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| Drainage Ditches (PSAs 11, 12, & 21/LOUs 32, 44, & 53) | DD-B-1 | Surface & Subsurface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | DD-B-2 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | DD-B-3 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | DD-B-4 | Surface & Subsurface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | DD-B-5 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | DD-B-6 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | DD-B-7 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | DD-B-8 | Surface & Subsurface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | DD-B-9 | Surface & Subsurface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | DD-B-10 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| Francy's Mountain (PSA 3/LOU 21) | FM-SS-1 | Surface Soil | Metals, Anions, PCB Congeners, Radionuclides | NA | NA |
| | FM-SS-2 | Surface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| | FM-SS-3 | Surface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| | FM-SS-4 | Surface Soil | Metals, Anions, PCB Congeners, Radionuclides | NA | NA |
| Pond Areas (PSAs 2, 5, 6, 7 & 9/LOUs 19, 46, 47 & 48) | P-B-1 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | P-B-2 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | P-B-3 | Surface & Subsurface Soil | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | P-B-4 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | P-B-5 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | P-B-6 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | P-B-7 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | P-B-8 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | P-B-9 | Surface & Subsurface Soil | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | P-B-10 | Surface & Subsurface Soil | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | P-B-11 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |

**TABLE 6-1**

**CONCEPTUAL SITE MODEL SUPPLEMENTAL INVESTIGATION SUMMARY**

Titanium Metals Corporation

Henderson, Nevada

| Area | Sample Location ID | Sample Type | Analyses | | |
|---|---|---|---|---|---|
| | | | ***Surface Soil*** | ***Subsurface Soil or Waste*** | ***Water*** |
| S-17 (PSA 17/LOU 22) | S17-SS-1 | Surface Soil | Dioxins, PAHs | NA | NA |
| | S17-SS-2 | Surface Soil | PCB Congeners, Dioxins, PAHs | NA | NA |
| Spent Caustic Logoons | SC-SS-1 | Surface Soil | Metals, Anions | NA | NA |
| | SC-SS-2 | Surface Soil | Metals, Anions | NA | NA |
| Boneyard (PSA 22/LOU 33) | BY-SS-1 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| | BY-SS-2 | Surface Soil | Metals, Anions | NA | NA |
| | BY-SS-3 | Surface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| | BY-SS-4 | Surface Soil | Metals, Anions | NA | NA |
| J2 Landfill (PSA 30/LOU 1) | J2-TP-1 | Surface & Subsurface Soil | Visual Classification | Visual Classification, VOC | NA |
| | J2-TP-2 | Surface & Subsurface Soil | Visual Classification | Visual Classification, VOC | NA |
| | J2-TP-3 | Surface & Subsurface Soil | Visual Classification | Visual Classification, VOC | NA |
| | J2-TP-4 | Surface & Subsurface Soil | Visual Classification | Visual Classification, VOC | NA |
| | J2-TP-5 | Surface & Subsurface Soil | Visual Classification | Visual Classification, VOC | NA |
| | J2-TP-6 | Surface & Subsurface Soil | Visual Classification | Visual Classification, VOC | NA |
| | J2-SS-1 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| | J2-SS-2 | Surface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| | J2-SS-3 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| Northeast Property | NE-B-1 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | NE-B-2 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | NE-B-3 | Surface & Subsurface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | Metals, Anions, Radionuclides | NA |
| | NE-B-4 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| | NE-B-5 | Surface & Subsurface Soil | Metals, Anions, PCB Congeners | Metals, Anions | NA |
| HP-1 (PSA 6/LOU 47) | HP1-1 | Soil Below Liner | Metals, Cations, Anions, Hexavalent Chromium | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |
| | HP1-2 | Soil Below Liner | Metals, Cations, Anions, Hexavalent Chromium | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |
| | HP1-3 | Soil Below Liner | Metals, Cations, Anions, Hexavalent Chromium | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |
| | HP1-4 | Soil Below Liner | Metals, Cations, Anions, Hexavalent Chromium | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |
| | HP1-5 | Soil Below Liner | Metals, Cations, Anions, Hexavalent Chromium | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |
| | HP1-6 | Soil Below Liner | Metals, Cations, Anions, Hexavalent Chromium | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |

**TABLE 6-1**

**CONCEPTUAL SITE MODEL SUPPLEMENTAL INVESTIGATION SUMMARY**

Titanium Metals Corporation

Henderson, Nevada

| Area | Sample Location ID | Sample Type | Analyses | | |
|---|---|---|---|---|---|
| | | | ***Surface Soil*** | ***Subsurface Soil or Waste*** | ***Water*** |
| Process Areas | CSMMW-1 | Groundwater (First WBZ) | NA | NA | VOCs,Metals, Anions,Radionuclides |
| | CSMMW-2 | Groundwater (First WBZ) | NA | NA | VOCs,Metals, Anions,Radionuclides |
| | PA-SS-1 | Surface Soil | Asbestos, Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| | PA-SS-2 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| | PA-SS-3 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| | PA-SS-4 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| | PA-SS-5 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| | PA-SS-6 | Surface Soil | Metals, Anions, PCB Congeners | NA | NA |
| | PA-SS-7 | Surface Soil | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, PAHs | NA | NA |
| | PA-SS-8 | Surface Soil | Asbestos, Metals, Anions, PCB Congeners | NA | NA |
| | PA-SS-9 | Surface Soil | PCB Aroclors | NA | NA |
| | PA-SS-10 | Surface Soil | PCB Aroclors | NA | NA |
| | PA-SS-11 | Surface Soil | PCB Aroclors | NA | NA |
| Southeast Property (PSA-23/LOU 34, 30) | K53-B-1 | Surface & Subsurface Soil | SVOCs | VOCs, SVOCs | NA |
| | RD-B-1 | Surface & Subsurface Soil | SVOCs | VOCs, SVOCs | NA |
| SW-1 (PSA 5/LOU 46) | SW-B-1Comp | Waste | NA | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |
| | SW-B-2Comp | Waste | NA | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |
| | SW-B3Comp | Waste | NA | Metals, Anions, Radionuclides, PCB Congeners, Dioxins, SVOCs | NA |

Note: Analytical parameter lists as defined in Appendix B

# TABLE 6-2
# ANALYTE LISTS FOR CONCEPTUAL SITE MODEL
# SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES

| ***Analyte*** | ***Method*** | ***Units*** | ***RL*** |
|---|---|---|---|
| ***Radionuclides:*** | | | |
| Gross Alpha | 900.0 | pCi/g | 10 |
| Gross Beta | 900.0 | pCi/g | 10 |
| Radium-226 | 903 | pCi/g | 1.0 |
| Radium-228 | 904 | pCi/g | 1.0 |
| Actinium 228 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Bismuth-210M | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Bismuth-212 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Bismuth-214 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Cesium-134 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Cesium-137 | 901.1_Ra | pCi/g | 0.20 |
| Cobalt-57 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Cobalt-60 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Lead-212 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Lead-214 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Potassium-40 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Protactinium-231 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Protactinium-234 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Radium-224 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Thallium-208 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Thorium 228 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Thorium-227 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Thorium-228 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Thorium-230 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Thorium-232 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Thorium-234 | 901.1_Ra | pCi/g | Relative to Cs-137 |
| Uranium-238 | Alpha Spectometry A01R_U | pCi/g | 1.0 |
| Thorium-230 | Alpha Spectrometry A01R_Th | pCi/g | 1.0 |
| Uranium-233/234 | Alpha Spectrometry A01R_U | pCi/g | 1.0 |
| Uranium-235/236 | Alpha Spectrometry A01R_U | pCi/g | 1.0 |
| ***Metals:*** | | | |
| Aluminum | 6010C | mg/Kg | 20 |
| Antimony | 6010C | mg/Kg | 1.0 |
| Barium | 6010C | mg/Kg | 5.0 |
| Beryllium | 6010C | mg/Kg | 0.50 |
| Cadmium | 6010C | mg/Kg | 0.50 |
| Calcium | 6010C | mg/Kg | 250 |
| Chromium | 6010C | mg/Kg | 1.0 |
| Cobalt | 6010C | mg/Kg | 5.0 |
| Copper | 6010C | mg/Kg | 2.5 |
| Iron | 6010C | mg/Kg | 10 |
| Lead | 6010C | mg/Kg | 1.0 |
| Magnesium | 6010C | mg/Kg | 100 |
| Manganese | 6010C | mg/Kg | 1.0 |
| Nickel | 6010C | mg/Kg | 4.0 |
| Potassium | 6010C | mg/Kg | 500 |
| Selenium | 6010C | mg/Kg | 1.5 |
| Silver | 6010C | mg/Kg | 1.0 |
| Sodium | 6010C | mg/Kg | 100 |
| Titanium | 6010C | mg/Kg | 2.0 |
| Vanadium | 6010C | mg/Kg | 5.0 |
| Zinc | 6010C | mg/Kg | 5.0 |
| Arsenic | 6020A | mg/Kg | 1.0 |

**TABLE 6-2**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES**

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***Metals (continued):*** | | | |
| Niobium | 6020A | mg/Kg | 2.5 |
| Thallium | 6020A | mg/Kg | 0.50 |
| Uranuim | 6020A | mg/Kg | 0.0050 |
| Mercury | 7471A | mg/Kg | 0.020 |
| ***Volatile Organic Chemicals:*** | | | |
| Acetone | 8260C | ug/Kg | 20 |
| Acetonitrile | 8260C | ug/Kg | 50 |
| Benzene | 8260C | ug/Kg | 5.0 |
| Bromobenzene | 8260C | ug/Kg | 5.0 |
| Chlorobromomethane | 8260C | ug/Kg | 5.0 |
| Bromodichloromethane | 8260C | ug/Kg | 5.0 |
| Bromoform | 8260C | ug/Kg | 5.0 |
| Bromomethane | 8260C | ug/Kg | 10 |
| 2-Butanone (MEK) | 8260C | ug/Kg | 20 |
| n-Butylbenzene | 8260C | ug/Kg | 5.0 |
| sec-Butylbenzene | 8260C | ug/Kg | 5.0 |
| tert-Butylbenzene | 8260C | ug/Kg | 5.0 |
| Carbon disulfide | 8260C | ug/Kg | 5.0 |
| Carbon tetrachloride | 8260C | ug/Kg | 5.0 |
| Chlorobenzene | 8260C | ug/Kg | 5.0 |
| Dibromochloromethane | 8260C | ug/Kg | 5.0 |
| Chloroethane | 8260C | ug/Kg | 10 |
| Chloroform | 8260C | ug/Kg | 5.0 |
| Chloromethane | 8260C | ug/Kg | 10 |
| 2-Chlorotoluene | 8260C | ug/Kg | 5.0 |
| 4-Chlorotoluene | 8260C | ug/Kg | 5.0 |
| Dibromomethane | 8260C | ug/Kg | 5.0 |
| 1,2-Dichlorobenzene | 8260C | ug/Kg | 5.0 |
| 1,3-Dichlorobenzene | 8260C | ug/Kg | 5.0 |
| 1,4-Dichlorobenzene | 8260C | ug/Kg | 5.0 |
| Dichlorodifluoromethane | 8260C | ug/Kg | 10 |
| 1,1-Dichloroethane | 8260C | ug/Kg | 5.0 |
| 1,2-Dichloroethane | 8260C | ug/Kg | 5.0 |
| cis-1,2-Dichloroethene | 8260C | ug/Kg | 5.0 |
| trans-1,2-Dichloroethene | 8260C | ug/Kg | 5.0 |
| 1,1-Dichloroethene | 8260C | ug/Kg | 5.0 |
| 1,2-Dichloropropane | 8260C | ug/Kg | 5.0 |
| 1,3-Dichloropropane | 8260C | ug/Kg | 5.0 |
| 2,2-Dichloropropane | 8260C | ug/Kg | 5.0 |
| cis-1,3-Dichloropropene | 8260C | ug/Kg | 5.0 |
| trans-1,3-Dichloropropene | 8260C | ug/Kg | 5.0 |
| 1,1-Dichloropropene | 8260C | ug/Kg | 5.0 |
| Ethylbenzene | 8260C | ug/Kg | 5.0 |
| 2-Hexanone | 8260C | ug/Kg | 20 |
| Methyl iodide | 8260C | ug/Kg | 5.0 |
| Isopropylbenzene | 8260C | ug/Kg | 5.0 |
| Cymene | 8260C | ug/Kg | 5.0 |
| Methylene Chloride | 8260C | ug/Kg | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | 8260C | ug/Kg | 20 |
| Methyl tert-butyl ether | 8260C | ug/Kg | 5.0 |
| Naphthalene | 8260C | ug/Kg | 5.0 |
| N-Propylbenzene | 8260C | ug/Kg | 5.0 |

**TABLE 6-2**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES**

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***Volatile Organic Chemicals (continued):*** | | | |
| Styrene | 8260C | ug/Kg | 5.0 |
| 1,1,1,2-Tetrachloroethane | 8260C | ug/Kg | 5.0 |
| 1,1,2,2-Tetrachloroethane | 8260C | ug/Kg | 5.0 |
| Tetrachloroethene | 8260C | ug/Kg | 5.0 |
| Toluene | 8260C | ug/Kg | 5.0 |
| 1,2,3-Trichlorobenzene | 8260C | ug/Kg | 5.0 |
| 1,2,4-Trichlorobenzene | 8260C | ug/Kg | 5.0 |
| 1,1,1-Trichloroethane | 8260C | ug/Kg | 5.0 |
| 1,1,2-Trichloroethane | 8260C | ug/Kg | 5.0 |
| Trichloroethene | 8260C | ug/Kg | 5.0 |
| Trichlorofluoromethane | 8260C | ug/Kg | 5.0 |
| 1,2,3-Trichloropropane | 8260C | ug/Kg | 5.0 |
| 1,2,4-Trimethylbenzene | 8260C | ug/Kg | 5.0 |
| 1,3,5-Trimethylbenzene | 8260C | ug/Kg | 5.0 |
| Vinyl acetate | 8260C | ug/Kg | 5.0 |
| Vinyl chloride | 8260C | ug/Kg | 5.0 |
| m-Xylene & p-Xylene | 8260C | ug/Kg | 5.0 |
| o-Xylene | 8260C | ug/Kg | 5.0 |
| Xylenes, Total | 8260C | ug/Kg | 10 |
| Ethanol | 8260C | ug/Kg | 250 |
| ***Semi-Volatile Organic Chemicals:*** | | | |
| 1,4-Dioxane | 8270C | ug/Kg | 660 |
| 2-Fluorophenol | 8270C | ug/Kg | 33 |
| Phenol | 8270C | ug/Kg | 330 |
| Aniline | 8270C | ug/Kg | 330 |
| 2-Chlorophenol | 8270C | ug/Kg | 330 |
| Benzyl alcohol | 8270C | ug/Kg | 330 |
| 4-Methylphenol | 8270C | ug/Kg | 330 |
| 3-Methylphenol | 8270C | ug/Kg | 330 |
| Acetophenone | 8270C | ug/Kg | 330 |
| N-Nitrosodi-n-propylamine | 8270C | ug/Kg | 330 |
| Hexachloroethane | 8270C | ug/Kg | 330 |
| Nitrobenzene | 8270C | ug/Kg | 330 |
| Isophorone | 8270C | ug/Kg | 330 |
| 2,4-Dimethylphenol | 8270C | ug/Kg | 330 |
| 2-Nitrophenol | 8270C | ug/Kg | 330 |
| Benzoic acid | 8270C | ug/Kg | 1600 |
| Bis(2-chloroethoxy)methane | 8270C | ug/Kg | 330 |
| 2,4-Dichlorophenol | 8270C | ug/Kg | 330 |
| Naphthalene | 8270C | ug/Kg | 330 |
| 4-Chloroaniline | 8270C | ug/Kg | 330 |
| Hexachlorobutadiene | 8270C | ug/Kg | 330 |
| 4-Chloro-3-methylphenol | 8270C | ug/Kg | 330 |
| 2-Methylnaphthalene | 8270C | ug/Kg | 330 |
| 1,2,4,5-Tetrachlorobenzene | 8270C | ug/Kg | 330 |
| Hexachlorocyclopentadiene | 8270C | ug/Kg | 1600 |
| 2,4,6-Trichlorophenol | 8270C | ug/Kg | 330 |
| 2,4,5-Trichlorophenol | 8270C | ug/Kg | 330 |
| 2-Fluorobiphenyl | 8270C | ug/Kg | 33 |
| 2-Chloronaphthalene | 8270C | ug/Kg | 330 |
| 2-Nitroaniline | 8270C | ug/Kg | 1600 |
| Dimethyl phthalate | 8270C | ug/Kg | 330 |

**TABLE 6-2**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES**

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***Semi-Volatile Organic Chemicals (continued):*** | | | |
| 2,6-Dinitrotoluene | 8270C | ug/Kg | 330 |
| Acenaphthylene | 8270C | ug/Kg | 330 |
| 3-Nitroaniline | 8270C | ug/Kg | 1600 |
| Acenaphthene | 8270C | ug/Kg | 330 |
| 2,4-Dinitrophenol | 8270C | ug/Kg | 1600 |
| 4-Nitrophenol | 8270C | ug/Kg | 1600 |
| Dibenzofuran | 8270C | ug/Kg | 330 |
| 2,4-Dinitrotoluene | 8270C | ug/Kg | 330 |
| Pentachlorobenzene | 8270C | ug/Kg | 330 |
| Diethyl phthalate | 8270C | ug/Kg | 660 |
| 4-Chlorophenyl phenyl ether | 8270C | ug/Kg | 330 |
| Fluorene | 8270C | ug/Kg | 330 |
| 4-Nitroaniline | 8270C | ug/Kg | 1600 |
| n-Nitrosodiphenylamine(as diphenylamine) | 8270C | ug/Kg | 330 |
| 1,2-Diphenyl-hydrazine | 8270C | ug/Kg | 330 |
| Azobenzene | 8270C | ug/Kg | 330 |
| 2,4,6-Tribromophenol | 8270C | ug/Kg | 330 |
| 4-Bromophenyl phenyl ether | 8270C | ug/Kg | 330 |
| Hexachlorobenzene | 8270C | ug/Kg | 330 |
| Pentachlorophenol | 8270C | ug/Kg | 1600 |
| Phenanthrene | 8270C | ug/Kg | 330 |
| Anthracene | 8270C | ug/Kg | 330 |
| Carbazole | 8270C | ug/Kg | 330 |
| Di-n-butyl phthalate | 8270C | ug/Kg | 330 |
| Fluoranthene | 8270C | ug/Kg | 330 |
| Pyrene | 8270C | ug/Kg | 330 |
| Butyl benzyl phthalate | 8270C | ug/Kg | 330 |
| Bis(2-ethylhexyl) phthalate | 8270C | ug/Kg | 330 |
| 3,3'-Dichlorobenzidine | 8270C | ug/Kg | 660 |
| Benzo[a]anthracene | 8270C | ug/Kg | 330 |
| Chrysene | 8270C | ug/Kg | 330 |
| Di-n-octyl phthalate | 8270C | ug/Kg | 330 |
| Benzo[b]fluoranthene | 8270C | ug/Kg | 330 |
| Benzo[k]fluoranthene | 8270C | ug/Kg | 330 |
| Benzo[a]pyrene | 8270C | ug/Kg | 330 |
| Dibenz(a,h)anthracene | 8270C | ug/Kg | 330 |
| Indeno[1,2,3-cd]pyrene | 8270C | ug/Kg | 330 |
| Benzo[g,h,i]perylene | 8270C | ug/Kg | 330 |
| Bis(2-chloroethyl)ether | 8270C | ug/Kg | 330 |
| 2,2'-oxybis[1-chloropropane] | 8270C | ug/Kg | 330 |
| Phthalic acid | 8270C | ug/Kg | 2500 |

**TABLE 6-2**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES**

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***Anions and Alkalinity:*** | | | |
| Chloride | 300.0_28D | mg/Kg | 2 |
| Nitrate As N | 300_48HR | mg/Kg | 0.2 |
| Sulfate | 300.0_28D | mg/Kg | 5 |
| ***PCB Congeners:*** | | | |
| PCB-1 | 1668C | pg/g | 20.0 |
| PCB-2 | 1668C | pg/g | 20.0 |
| PCB-3 | 1668C | pg/g | 20.0 |
| PCB-4 | 1668C | pg/g | 20.0 |
| PCB-5 | 1668C | pg/g | 20.0 |
| PCB-6 | 1668C | pg/g | 20.0 |
| PCB-7 | 1668C | pg/g | 20.0 |
| PCB-8 | 1668C | pg/g | 20.0 |
| PCB-9 | 1668C | pg/g | 20.0 |
| PCB-10 | 1668C | pg/g | 20.0 |
| PCB-11 | 1668C | pg/g | 20.0 |
| PCB-12/13 | 1668C | pg/g | 40.0 |
| PCB-14 | 1668C | pg/g | 20.0 |
| PCB-15 | 1668C | pg/g | 20.0 |
| PCB-16 | 1668C | pg/g | 20.0 |
| PCB-17 | 1668C | pg/g | 20.0 |
| PCB-18/30 | 1668C | pg/g | 40.0 |
| PCB-19 | 1668C | pg/g | 20.0 |
| PCB-20/28 | 1668C | pg/g | 40.0 |
| PCB-21/33 | 1668C | pg/g | 40.0 |
| PCB-22 | 1668C | pg/g | 20.0 |
| PCB-23 | 1668C | pg/g | 20.0 |
| PCB-24 | 1668C | pg/g | 20.0 |
| PCB-25 | 1668C | pg/g | 20.0 |
| PCB-26/29 | 1668C | pg/g | 40.0 |
| PCB-27 | 1668C | pg/g | 20.0 |
| PCB-31 | 1668C | pg/g | 20.0 |
| PCB-32 | 1668C | pg/g | 20.0 |
| PCB-34 | 1668C | pg/g | 20.0 |
| PCB-35 | 1668C | pg/g | 20.0 |
| PCB-36 | 1668C | pg/g | 20.0 |
| PCB-37 | 1668C | pg/g | 20.0 |
| PCB-38 | 1668C | pg/g | 20.0 |
| PCB-39 | 1668C | pg/g | 20.0 |
| PCB-40/71 | 1668C | pg/g | 40.0 |
| PCB-41 | 1668C | pg/g | 20.0 |
| PCB-42 | 1668C | pg/g | 20.0 |
| PCB-43 | 1668C | pg/g | 20.0 |
| PCB-44/47/65 | 1668C | pg/g | 60.0 |
| PCB-45 | 1668C | pg/g | 20.0 |
| PCB-46 | 1668C | pg/g | 20.0 |
| PCB-48 | 1668C | pg/g | 20.0 |
| PCB-49/69 | 1668C | pg/g | 40.0 |
| PCB-50/53 | 1668C | pg/g | 40.0 |
| PCB-51 | 1668C | pg/g | 20.0 |
| PCB-52 | 1668C | pg/g | 20.0 |
| PCB-54 | 1668C | pg/g | 20.0 |

## TABLE 6-2
## ANALYTE LISTS FOR CONCEPTUAL SITE MODEL
## SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***PCB Congeners (Continued):*** | | | |
| PCB-55 | 1668C | pg/g | 20.0 |
| PCB-56 | 1668C | pg/g | 20.0 |
| PCB-57 | 1668C | pg/g | 20.0 |
| PCB-58 | 1668C | pg/g | 20.0 |
| PCB-59/62/75 | 1668C | pg/g | 60.0 |
| PCB-60 | 1668C | pg/g | 20.0 |
| PCB-61/70/74/76 | 1668C | pg/g | 80.0 |
| PCB-63 | 1668C | pg/g | 20.0 |
| PCB-64 | 1668C | pg/g | 20.0 |
| PCB-66 | 1668C | pg/g | 20.0 |
| PCB-67 | 1668C | pg/g | 20.0 |
| PCB-68 | 1668C | pg/g | 20.0 |
| PCB-72 | 1668C | pg/g | 20.0 |
| PCB-73 | 1668C | pg/g | 20.0 |
| PCB-77 | 1668C | pg/g | 2.00 |
| PCB-78 | 1668C | pg/g | 20.0 |
| PCB-79 | 1668C | pg/g | 20.0 |
| PCB-80 | 1668C | pg/g | 20.0 |
| PCB-81 | 1668C | pg/g | 2.00 |
| PCB-82 | 1668C | pg/g | 20.0 |
| PCB-83 | 1668C | pg/g | 20.0 |
| PCB-84 | 1668C | pg/g | 20.0 |
| PCB-85/116/117 | 1668C | pg/g | 60.0 |
| PCB-86/87/97/108/119/125 | 1668C | pg/g | 120 |
| PCB-88/91 | 1668C | pg/g | 40.0 |
| PCB-89 | 1668C | pg/g | 20.0 |
| PCB-90/101/113 | 1668C | pg/g | 60.0 |
| PCB-92 | 1668C | pg/g | 20.0 |
| PCB-93/100 | 1668C | pg/g | 40.0 |
| PCB-107/124 | 1668C | pg/g | 40.0 |
| PCB-94 | 1668C | pg/g | 20.0 |
| PCB-95 | 1668C | pg/g | 20.0 |
| PCB-96 | 1668C | pg/g | 20.0 |
| PCB-98/102 | 1668C | pg/g | 40.0 |
| PCB-99 | 1668C | pg/g | 20.0 |
| PCB-103 | 1668C | pg/g | 20.0 |
| PCB-104 | 1668C | pg/g | 20.0 |
| PCB-105 | 1668C | pg/g | 2.00 |
| PCB-106 | 1668C | pg/g | 20.0 |
| PCB-110/115 | 1668C | pg/g | 40.0 |
| PCB-109 | 1668C | pg/g | 20.0 |
| PCB-111 | 1668C | pg/g | 20.0 |
| PCB-112 | 1668C | pg/g | 20.0 |
| PCB-114 | 1668C | pg/g | 2.00 |
| PCB-115 | 1668C | pg/g | 40.0 |
| PCB-118 | 1668C | pg/g | 2.00 |
| PCB-120 | 1668C | pg/g | 20.0 |
| PCB-121 | 1668C | pg/g | 20.0 |
| PCB-122 | 1668C | pg/g | 20.0 |
| PCB-123 | 1668C | pg/g | 2.00 |
| PCB-126 | 1668C | pg/g | 2.00 |
| PCB-127 | 1668C | pg/g | 20.0 |

**TABLE 6-2**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES**

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***PCB Congeners (Continued):*** | | | |
| PCB-128/166 | 1668C | pg/g | 40.0 |
| PCB-129/138/163 | 1668C | pg/g | 60.0 |
| PCB-130 | 1668C | pg/g | 20.0 |
| PCB-131 | 1668C | pg/g | 20.0 |
| PCB-132 | 1668C | pg/g | 20.0 |
| PCB-133 | 1668C | pg/g | 20.0 |
| PCB-134/143 | 1668C | pg/g | 40.0 |
| PCB-135/151 | 1668C | pg/g | 40.0 |
| PCB-136 | 1668C | pg/g | 20.0 |
| PCB-137 | 1668C | pg/g | 20.0 |
| PCB-139/140 | 1668C | pg/g | 40.0 |
| PCB-141 | 1668C | pg/g | 20.0 |
| PCB-142 | 1668C | pg/g | 20.0 |
| PCB-144 | 1668C | pg/g | 20.0 |
| PCB-145 | 1668C | pg/g | 20.0 |
| PCB-146 | 1668C | pg/g | 20.0 |
| PCB-147/149 | 1668C | pg/g | 40.0 |
| PCB-148 | 1668C | pg/g | 20.0 |
| PCB-150 | 1668C | pg/g | 20.0 |
| PCB-152 | 1668C | pg/g | 20.0 |
| PCB-153/168 | 1668C | pg/g | 40.0 |
| PCB-154 | 1668C | pg/g | 20.0 |
| PCB-155 | 1668C | pg/g | 20.0 |
| PCB-156/157 | 1668C | pg/g | 4.00 |
| PCB-158 | 1668C | pg/g | 20.0 |
| PCB-159 | 1668C | pg/g | 20.0 |
| PCB-160 | 1668C | pg/g | 20.0 |
| PCB-161 | 1668C | pg/g | 20.0 |
| PCB-162 | 1668C | pg/g | 20.0 |
| PCB-164 | 1668C | pg/g | 20.0 |
| PCB-165 | 1668C | pg/g | 20.0 |
| PCB-167 | 1668C | pg/g | 2.00 |
| PCB-169 | 1668C | pg/g | 2.00 |
| PCB-170 | 1668C | pg/g | 20.0 |
| PCB-171/173 | 1668C | pg/g | 40.0 |
| PCB-172 | 1668C | pg/g | 20.0 |
| PCB-174 | 1668C | pg/g | 20.0 |
| PCB-175 | 1668C | pg/g | 20.0 |
| PCB-176 | 1668C | pg/g | 20.0 |
| PCB-177 | 1668C | pg/g | 20.0 |
| PCB-178 | 1668C | pg/g | 20.0 |
| PCB-179 | 1668C | pg/g | 20.0 |
| PCB-180/193 | 1668C | pg/g | 40.0 |
| PCB-181 | 1668C | pg/g | 20.0 |
| PCB-182 | 1668C | pg/g | 20.0 |
| PCB-183 | 1668C | pg/g | 20.0 |
| PCB-184 | 1668C | pg/g | 20.0 |
| PCB-185 | 1668C | pg/g | 20.0 |
| PCB-186 | 1668C | pg/g | 20.0 |
| PCB-187 | 1668C | pg/g | 20.0 |
| PCB-188 | 1668C | pg/g | 20.0 |
| PCB-189 | 1668C | pg/g | 2.00 |

**TABLE 6-2**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-SOIL SAMPLES**

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***PCB Congeners (Continued):*** | | | |
| PCB-190 | 1668C | pg/g | 20.0 |
| PCB-191 | 1668C | pg/g | 20.0 |
| PCB-192 | 1668C | pg/g | 20.0 |
| PCB-194 | 1668C | pg/g | 20.0 |
| PCB-195 | 1668C | pg/g | 20.0 |
| PCB-196 | 1668C | pg/g | 20.0 |
| PCB-197 | 1668C | pg/g | 20.0 |
| PCB-198/199 | 1668C | pg/g | 40.0 |
| PCB-200 | 1668C | pg/g | 20.0 |
| PCB-201 | 1668C | pg/g | 20.0 |
| PCB-202 | 1668C | pg/g | 20.0 |
| PCB-203 | 1668C | pg/g | 20.0 |
| PCB-204 | 1668C | pg/g | 20.0 |
| PCB-205 | 1668C | pg/g | 20.0 |
| PCB-206 | 1668C | pg/g | 20.0 |
| PCB-207 | 1668C | pg/g | 20.0 |
| PCB-208 | 1668C | pg/g | 20.0 |
| PCB-209 | 1668C | pg/g | 20.0 |
| Total DiCB | 1668C | pg/g | 20.0 |
| Total HeptaCB | 1668C | pg/g | 20.0 |
| Total HexaCB | 1668C | pg/g | 20.0 |
| Total MonoCB | 1668C | pg/g | 20.0 |
| Total NonaCB | 1668C | pg/g | 20.0 |
| Total OctaCB | 1668C | pg/g | 20.0 |
| Total PCBs | 1668C | pg/g | 20.0 |
| Total PentaCB | 1668C | pg/g | 20.0 |
| Total TEQ | 1668C | pg/g | 20.0 |
| Total TetraCB | 1668C | pg/g | 20.0 |
| Total TriCB | 1668C | pg/g | 20.0 |
| ***Dioxins and Furans:*** | | | |
| 2,3,7,8-TCDD | 8290A | pg/g | 1 |
| 2,3,7,8-TCDF | 8290A | pg/g | 1 |
| 1,2,3,7,8-PeCDD | 8290A | pg/g | 5 |
| 1,2,3,7,8-PeCDF | 8290A | pg/g | 5 |
| 2,3,4,7,8-PeCDF | 8290A | pg/g | 5 |
| 1,2,3,4,7,8-HxCDD | 8290A | pg/g | 5 |
| 1,2,3,6,7,8-HxCDD | 8290A | pg/g | 5 |
| 1,2,3,7,8,9-HxCDD | 8290A | pg/g | 5 |
| 1,2,3,4,7,8-HxCDF | 8290A | pg/g | 5 |
| 1,2,3,6,7,8-HxCDF | 8290A | pg/g | 5 |
| 1,2,3,7,8,9-HxCDF | 8290A | pg/g | 5 |
| 2,3,4,6,7,8-HxCDF | 8290A | pg/g | 5 |
| 1,2,3,4,6,7,8-HpCDD | 8290A | pg/g | 5 |
| 1,2,3,4,6,7,8-HpCDF | 8290A | pg/g | 5 |
| 1,2,3,4,7,8,9-HpCDF | 8290A | pg/g | 5 |
| ***Miscellaneous*** | | | |
| Asbestos | TEM Analysis | weight percent | 0.1 |

Notes:
RL - Base Reporting Limit

# TABLE 6-3
# ANALYTE LISTS FOR CONCEPTUAL SITE MODEL
# SUPPLEMENTAL INVESTIGATION-GROUNDWATER SAMPLES

| ***Analyte*** | ***Method*** | ***Units*** | ***RL*** |
|---|---|---|---|
| ***Radionuclides:*** | | | |
| Gross Alpha | 900.0 | pCi/L | 3.0 |
| Gross Beta | 900.0 | pCi/L | 4.0 |
| Radium-226 | 903 | pCi/L | 1.0 |
| Radium-228 | 904 | pCi/L | 1.0 |
| Actinium 228 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Bismuth-210M | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Bismuth-212 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Bismuth-214 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Cesium-134 | 901.1_Ra | | Relative to Cs-137 |
| Cesium-137 | 901.1_Ra | pCi/L | 20 |
| Cobalt-57 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Cobalt-60 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Lead-212 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Lead-214 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Potassium-40 | 901.1_Ra | pCi/L | 20 |
| Protactinium-231 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Protactinium-234 | 901.1_Ra | pCi/L | 20 |
| Radium-224 | 901.1_Ra | pCi/L | 20 |
| Thallium-208 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Thorium 228 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Thorium-227 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Thorium-228 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Thorium-230 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Thorium-232 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Thorium-234 | 901.1_Ra | pCi/L | Relative to Cs-137 |
| Uranium-238 | Alpha Spectometry A01R_U | pCi/L | 1 |
| Thorium-230 | Alpha Spectrometry A01R_Th | pCi/L | 1 |
| Uranium-233/234 | Alpha Spectrometry A01R_U | pCi/L | 1 |
| Uranium-235/236 | Alpha Spectrometry A01R_U | pCi/L | 1 |
| ***Metals:*** | | | |
| Aluminum | 6010C | ug/L | 200 |
| Antimony | 6010C | ug/L | 10 |
| Barium | 6010C | ug/L | 50 |
| Beryllium | 6010C | ug/L | 5.0 |
| Cadmium | 6010C | ug/L | 5.0 |
| Calcium | 6010C | ug/L | 1000 |
| Chromium | 6010C | ug/L | 10 |
| Cobalt | 6010C | ug/L | 50 |
| Copper | 6010C | ug/L | 25 |
| Iron | 6010C | ug/L | 100 |
| Lead | 6010C | ug/L | 10 |
| Magnesium | 6010C | ug/L | 1000 |
| Manganese | 6010C | ug/L | 15 |
| Nickel | 6010C | ug/L | 40 |
| Potassium | 6010C | ug/L | 5000 |
| Selenium | 6010C | ug/L | 15 |
| Silver | 6010C | ug/L | 10 |
| Sodium | 6010C | ug/L | 1000 |
| Vanadium | 6010C | ug/L | 50 |
| Zinc | 6010C | ug/L | 20 |
| Arsenic | 6020A | ug/L | 10 |
| Thallium | 6020A | ug/L | 2.0 |
| Uranuim | 6020A | ug/L | 1.0 |
| Mercury | 7470A | ug/L | 0.2 |

**TABLE 6-3**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-GROUNDWATER SAMPLES**

| *Analyte* | *Method* | *Units* | *RL* |
|---|---|---|---|
| ***Volatile Organic Chemicals:*** | | | |
| Acetone | 8260C | ug/L | 20 |
| Acetonitrile | 8260C | ug/L | 50 |
| Benzene | 8260C | ug/L | 5.0 |
| Bromobenzene | 8260C | ug/L | 5.0 |
| Bromodichloromethane | 8260C | ug/L | 5.0 |
| Bromoform | 8260C | ug/L | 5.0 |
| Bromomethane | 8260C | ug/L | 10 |
| 2-Butanone (MEK) | 8260C | ug/L | 20 |
| Carbon disulfide | 8260C | ug/L | 5.0 |
| Carbon tetrachloride | 8260C | ug/L | 5.0 |
| Chlorobenzene | 8260C | ug/L | 5.0 |
| Chlorobromomethane | 8260C | ug/L | 5.0 |
| Chloroethane | 8260C | ug/L | 10 |
| Chloroform | 8260C | ug/L | 5.0 |
| Chloromethane | 8260C | ug/L | 10 |
| 2-Chlorotoluene | 8260C | ug/L | 5.0 |
| 4-Chlorotoluene | 8260C | ug/L | 5.0 |
| cis-1,2-Dichloroethene | 8260C | ug/L | 5.0 |
| cis-1,3-Dichloropropene | 8260C | ug/L | 5.0 |
| Cymene | 8260C | ug/L | 5.0 |
| Dibromochloromethane | 8260C | ug/L | 5.0 |
| Dibromomethane | 8260C | ug/L | 5.0 |
| 1,2-Dichlorobenzene | 8260C | ug/L | 5.0 |
| 1,3-Dichlorobenzene | 8260C | ug/L | 5.0 |
| 1,4-Dichlorobenzene | 8260C | ug/L | 5.0 |
| Dichlorodifluoromethane | 8260C | ug/L | 10 |
| 1,1-Dichloroethane | 8260C | ug/L | 5.0 |
| 1,2-Dichloroethane | 8260C | ug/L | 5.0 |
| 1,1-Dichloroethene | 8260C | ug/L | 5.0 |
| 1,2-Dichloropropane | 8260C | ug/L | 5.0 |
| 1,3-Dichloropropane | 8260C | ug/L | 5.0 |
| 2,2-Dichloropropane | 8260C | ug/L | 5.0 |
| 1,1-Dichloropropene | 8260C | ug/L | 5.0 |
| Ethanol | 8260C | ug/L | 250 |
| Ethylbenzene | 8260C | ug/L | 5.0 |
| 2-Hexanone | 8260C | ug/L | 20 |
| Isopropylbenzene | 8260C | ug/L | 5.0 |
| Methylene Chloride | 8260C | ug/L | 5.0 |
| Methyl iodide | 8260C | ug/L | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | 8260C | ug/L | 20 |
| Methyl tert-butyl ether | 8260C | ug/L | 5.0 |
| m-Xylene & p-Xylene | 8260C | ug/L | 5.0 |
| Naphthalene | 8260C | ug/L | 5.0 |
| n-Butylbenzene | 8260C | ug/L | 5.0 |
| N-Propylbenzene | 8260C | ug/L | 5.0 |
| o-Xylene | 8260C | ug/L | 5.0 |
| sec-Butylbenzene | 8260C | ug/L | 5.0 |
| Styrene | 8260C | ug/L | 5.0 |
| tert-Butylbenzene | 8260C | ug/L | 5.0 |
| 1,1,1,2-Tetrachloroethane | 8260C | ug/L | 5.0 |
| 1,1,2,2-Tetrachloroethane | 8260C | ug/L | 5.0 |
| Tetrachloroethene | 8260C | ug/L | 5.0 |
| Toluene | 8260C | ug/L | 5.0 |
| trans-1,2-Dichloroethene | 8260C | ug/L | 5.0 |

**TABLE 6-3**
**ANALYTE LISTS FOR CONCEPTUAL SITE MODEL**
**SUPPLEMENTAL INVESTIGATION-GROUNDWATER SAMPLES**

| ***Analyte*** | ***Method*** | ***Units*** | ***RL*** |
|---|---|---|---|
| ***Volatile Organic Chemicals (continued):*** | | | |
| trans-1,3-Dichloropropene | 8260C | ug/L | 5.0 |
| 1,2,3-Trichlorobenzene | 8260C | ug/L | 5.0 |
| 1,2,4-Trichlorobenzene | 8260C | ug/L | 5.0 |
| 1,1,1-Trichloroethane | 8260C | ug/L | 5.0 |
| 1,1,2-Trichloroethane | 8260C | ug/L | 5.0 |
| Trichloroethene | 8260C | ug/L | 5.0 |
| Trichlorofluoromethane | 8260C | ug/L | 5.0 |
| 1,2,3-Trichloropropane | 8260C | ug/L | 5.0 |
| 1,2,4-Trimethylbenzene | 8260C | ug/L | 5.0 |
| 1,3,5-Trimethylbenzene | 8260C | ug/L | 5.0 |
| Vinyl acetate | 8260C | ug/L | 5.0 |
| Vinyl chloride | 8260C | ug/L | 5.0 |
| Xylenes, Total | 8260C | ug/L | 10 |
| ***Anions and TDS:*** | | | |
| Chloride | 300.0_28D | mg/L | 0.2 |
| Nitrate As N | 300_48HR | mg/L | 0.02 |
| Sulfate | 300.0_28D | mg/L | 0.5 |
| Total Dissolved Soilids | 160.1_Calcd | mg/L | 5 |

Notes:
RL - Base Reporting Limit

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | Boneyard | Boneyard | Boneyard | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | A9-B-2 | BY-SS-1 | BY-SS-2 | BY-SS-3 | BY-SS-3 | BY-SS-4 | DD-B-1 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 10.0-11.5 | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 10.0-11.5 | A9-B-2 5-6.5 | BY-SS-1_SS | BY-SS-2_SS | BY-SS-3_SS | BY-SS-3_SS DUP | BY-SS-4_SS | DD-B-1_SS |
| | | | Start Depth | 0 | 0 | 10 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | | | | BY-SS-3_SS_11/20/13 | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 160 | 180 | 91 | 190 | 410 | 8.3 | 24 | 3100 J- | 11000 J- | 4500 J- | 4500 J- | 2400 J- | 82 J+ |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 1.3 | 1.3 | 0.19 J | 0.36 J+ | 3.9 | 0.3 J+ | 0.48 J+ | 11 J | **310 J-** | 14 J+ | 21 J | 6 J- | 9.6 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 89 J | 110 J | 22 J | 69 J | 220 J | 48 J | 25 J | 910 J- | 1700 J- | 570 J- | 440 J- | 260 J- | 100 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-1 | DD-B-10 | DD-B-10 | DD-B-10 | DD-B-2 | DD-B-2 | DD-B-3 | DD-B-3 | DD-B-4 | DD-B-4 | DD-B-5 | DD-B-5 |
| | | | Sample Name | DD-B-1_SUB | DD-B-10_SS | DD-B-10_SUB | DD-B-10_SUB DUP | DD-B-2_SS | DD-B-2_SUB | DD-B-3_SS | DD-B-3_SUB | DD-B-4_SS | DD-B-4_SUB | DD-B-5_SS | DD-B-5_SUB |
| | | | Start Depth | 10 | 0 | 10 | 10 | 0 | 10 | 0 | 10 | 0 | 5.5 | 0 | 9 |
| | | | End Depth | 15 | 0.5 | 15 | 15 | 0.5 | 15 | 0.5 | 15 | 0.5 | 10.5 | 0.5 | 14 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 12/4/2013 | 12/4/2013 | 12/4/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 12/2/2013 | 12/2/2013 | 11/13/2013 | 11/13/2013 |
| | | | Parent Sample | | | | DD-B-10_SUB_12/04/13 | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 79 J+ | 8 J | 130 J | 120 J | 25 | 6.7 | 18 | 190 J+ | 910 J | 320 J | 22 | 28 |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 0.34 | 0.91 J | 7.3 J | 6.8 J | 1.2 | 0.38 | 1.8 | 6.6 | 23 J | 1.6 J | 7.6 | 0.3 J+ |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 160 | 15 J | 200 J | 180 J | 170 | 350 | 63 | 760 | 640 J | 190 J | 61 | 56 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn | FrancyMtn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-6 | DD-B-6 | DD-B-7 | DD-B-7 | DD-B-8 | DD-B-8 | DD-B-9 | DD-B-9 | FM-SS-1 | FM-SS-1 | FM-SS-2 | FM-SS-2 |
| | | | Sample Name | DD-B-6_SS | DD-B-6_SUB | DD-B-7_SS | DD-B-7_SUB | DD-B-8_SS | DD-B-8_SUB | DD-B-9_SS | DD-B-9_SUB | FM-SS-1_SS | FM-SS-1_SS DUP | FM-SS-2_SS | FM-SS-2_SS DUP |
| | | | Start Depth | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 15 | 0.5 | 15 | 0.5 | 15 | 0.5 | 15 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/3/2013 | 12/3/2013 | 12/6/2013 | 12/6/2013 | 12/4/2013 | 12/4/2013 | 12/3/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | | | | | | | | | FM-SS-1_SS_11/20/13 | | FM-SS-2_SS_11/20/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 1200 J | 120 J | 530 J | 54 J | 2.2 J | 17 J | 4500 J | 190 J | 1500 | 2000 J- | 200 J- | 170 J- |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 4.1 J | 0.45 J | 47 J | 0.78 J | 0.72 J | 2.3 J | 100 J | 1.9 J | 4.6 J- | 5.5 J- | 1.6 J- | 1.5 J- |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 3700 J | 110 J | 530 J | 58 J | 17 J | 57 J | 2200 J | 280 J | 4100 | 4400 J- | 4400 J- | 4000 J- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit; reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | FrancyMtn | FrancyMtn | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | FM-SS-3 | FM-SS-4 | HP1-1 | HP1-1 | HP1-1 | HP1-2 | HP1-2 | HP1-3 | HP1-3 | HP1-3 | HP1-4 | HP1-4 | HP1-4 | HP1-5 | HP1-5 | HP1-6 | HP1-6 |
| | | | Sample Name | FM-SS-3_SS | FM-SS-4_SS | DUP | HP1-1-1 | HP1-1-2 | HP1-2-1 | HP1-2-2 | HP1-3-1 | HP1-3-2 | HP1-3-3 | DUP 2 | HP1-4-1 | HP1-4-2 | HP1-5-1 | HP1-5-2 | HP1-6-1 | HP1-6-2 |
| | | | Start Depth | 0 | 0 | 0 | 0 | 1.8 | 0 | 2 | 0 | 1.1 | 2 | 0 | 0 | 1.9 | 0 | 1.9 | 0 | 2 |
| | | | End Depth | 0.5 | 0.5 | 1 | 1 | 2.3 | 1 | 2.5 | 1 | 1.5 | 2.5 | 0 | 1 | 2.5 | 1 | 2.5 | 1 | 2.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/20/2013 | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 |
| | | | Parent Sample | | | HP1-1-1_07/10/13 | | | | | | | | HP1-4-2_07/10/13 | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 2300 J- | 150 J- | 7700 J- | 7700 J- | 7200 J- | 7000 J- | 7400 J- | 8100 J- | 13000 J- | 8500 J- | 9400 J- | 8200 J- | 8100 J- | 16000 J- | 15000 J- | 7900 J- | 5000 J- |
| Fluoride | mg/kg | 41000 | | -- | -- | 2.4 J- | 2.3 J- | 2.9 J- | 3.2 J- | 2.8 J- | 4.8 J- | 17 J- | 5.4 J- | 2.1 UJ- | 3.1 J- | 2.1 UJ- | 9.6 J- | 2 UJ- | 2.2 UJ- | 2 UJ- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 3.9 J- | 1.4 J- | **190 J-** | **190 J-** | **200 J-** | **220 J-** | **210 J-** | **190 J-** | **290 J-** | **190 J-** | **280 J-** | **260 J-** | **240 J-** | 4.2 J- | 4.3 J- | **260 J-** | **150 J-** |
| pH | s.u. | | | -- | -- | 7.9 J | 7.4 J | 7.9 J | 7.9 J | 8 J | 7.8 J | 7.9 J | 8 J | 7.7 J | 7.9 J | 7.8 J | 8.2 J | 8.1 J | 7.9 J | 7.9 J |
| Sulfate | mg/Kg | | | 3800 J- | 4200 J- | 400 J- | 520 J- | 410 J- | 170 J- | 130 J- | 210 J- | 140 J- | 170 J- | 340 J- | 310 J- | 410 J- | 2600 J- | 11000 J- | 240 J- | 180 J- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit; reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | J2Landfill | J2Landfill | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | J2-SS-1 | J2-SS-2 | J2-SS-3 | NE-B-1 | NE-B-1 | NE-B-1 | NE-B-2 | NE-B-2 | NE-B-3 | NE-B-3 | NE-B-3 |
| | | | Sample Name | J2-SS-1_SS | J2-SS-2_SS | J2-SS-3_SS | NE-B-1_SS | NE-B-1_SUB | NE-B-1_SUB DUP | NE-B-2_SS | NE-B-2_SUB | NE-B-3_SS | NE-B-3_SUB | NE-B-3_SUB DUP |
| | | | Start Depth | 0 | 0 | 0 | 0 | 8.5 | 8.5 | 0 | 10 | 0 | 10 | 10 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 13.5 | 13.5 | 0.5 | 15 | 0.5 | 15 | 15 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/21/2013 | 11/21/2013 | 11/21/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 |
| | | | Parent Sample | | | | | | NE-B-1_SS_11/22/13 | | | | | NE-B-3_SUB_11/22/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 4300 J- | 6600 J- | 2700 J- | 18000 J+ | 3700 J+ | 4000 J+ | 420 J+ | 470 J+ | 5400 J+ | 330 J+ | 290 J+ |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 33 J- | 2.2 J- | 20 J | 8.6 J+ | 9.3 J+ | 11 J+ | 2.9 J+ | 4.5 J+ | 32 J+ | 3.1 J+ | 2.8 J+ |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 2900 J- | 2100 J- | 1700 J- | 220 J- | 690 J- | 610 J- | 85 J- | 120 J- | 1800 J- | 130 J- | 130 J- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
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**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-4 | NE-B-4 | NE-B-4 | NE-B-5 | NE-B-5 | NE-B-6 | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NE-B-7 |
| | | | Sample Name | NE-B-4_SS | NE-B-4_SUB | NE-B-4_SUB DUP | NE-B-5_SS | NE-B-5_SUB | NE-B-6 0-0.5 | NE-B-6 10.0-11.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 10.0-11.5 | NE-B-7 5.0-6.5 |
| | | | Start Depth | 0 | 1 | 1 | 0 | 1 | 0 | 10 | 5 | 0 | 10 | 5 |
| | | | End Depth | 0.5 | 6 | 6 | 0.5 | 6 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/4/2013 | 12/4/2013 | 12/4/2013 | 12/4/2013 | 12/4/2013 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 |
| | | | Parent Sample | | | NE-B-4_SUB_12/04/13 | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 6400 J | 610 J | 850 J | 1700 J | 76 J | 22000 | 8300 | 9400 | 5000 | 350 | 770 |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 38 J | 12 J | 17 J | 29 J | 2.7 J | 6.2 | 9.9 | 0.62 | 17 | 6.6 | 6.7 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 1400 J | 750 J | 1200 J | 460 J | 94 J | 170 | 100 | 690 | 540 | 410 | 260 |

**Notes:**
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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NS-B-1 | NS-B-1 | NS-B-2 | NS-B-2 | NS-B-3 | NS-B-3 | NS-B-4 | NS-B-4 | NS-B-5 | NS-SS-1 | NS-SS-5 |
| | | | Sample Name | NS-B-1_SS | NS-B-1_SUB | NS-B-2_SS | NS-B-2_SUB | NS-B-3_SS | NS-B-3_SUB | NS-B-4_SS | NS-B-4_SUB | NS-B-5 | NS-SS-1_SS | NS-SS-5_SS |
| | | | Start Depth | 0 | 10 | 0 | 3 | 0 | 10 | 0 | 10 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 15 | 0.5 | 8 | 0.5 | 15 | 0.5 | 15 | 15 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/13/2013 | 11/13/2013 | 11/13/2013 | 11/13/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 12/13/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 6700 | 690 | 2100 | 420 | 190 J+ | 200 | 18 | 820 | 510 J | 350 J- | 22 J- |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 140 | 25 | 32 | 6.8 | 5.6 | 3.3 | 0.57 | 32 | 8.5 J | 7.9 J- | 1.7 J- |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 330 | 160 | 500 | 140 | 200 | 160 | 64 | 210 | 160 J | 97 J- | 39 J- |

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U = analyte not detected above referenced laboratory limit
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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-1 | P-B-1 | P-B-10 | P-B-10 | P-B-11 | P-B-11 | P-B-12 | P-B-12 | P-B-2 | P-B-2 | P-B-3 | P-B-3 | P-B-4 | P-B-4 | P-B-5 | P-B-5 |
| | | | Sample Name | P-B-1_SS | P-B-1_SUB | P-B-10_SS | P-B-10_SUB | P-B-11_SS | P-B-11_SUB | P-B-12_DEEP | P-B-12_SHALLOW | P-B-2_SS | P-B-2_SUB | P-B-3_SS | P-B-3_SUB | P-B-4_SS | P-B-4_SUB | P-B-5_SS | P-B-5_SUB |
| | | | Start Depth | 0 | 10 | 0 | 2 | 0 | 5 | 0 | 18 | 0 | 7 | 0 | 4 | 0 | 10 | 0 | 10 |
| | | | End Depth | 0.5 | 15 | 0.5 | 5 | 0.5 | 6 | 0.5 | 23 | 0.5 | 12 | 0.5 | 9 | 0.5 | 15 | 0.5 | 15 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 11/14/2013 | 12/11/2013 | 12/11/2013 | 12/11/2013 | 12/11/2013 | 12/5/2013 | 12/5/2013 | 11/18/2013 | 11/18/2013 | 11/18/2013 | 11/18/2013 | 12/3/2013 | 12/3/2013 | 12/2/2013 | 12/2/2013 |
| | | | Parent Sample | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 260 | 400 | 5000 J- | 1600 J | 150 J | 310 J | 970 J | 1300 J | 20000 | 1700 | 8400 | 1200 | 1200 J | 2100 J | 22 J | 350 J |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 12 | 5.2 | 79 J- | 26 J- | 0.63 J- | 12 J- | 13 J | 16 J | **570** | 37 J+ | 100 | 26 J+ | 31 J | 48 J | 0.63 J | 11 J |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 170 | 250 | 2100 J- | 210 J- | 26 J- | 260 J- | 74 J | 590 J | 1500 | 520 | 3700 | 380 | 1400 J | 220 J | 360 J | 550 J |

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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-6 | P-B-6 | P-B-7 | P-B-7 | P-B-7 | PA-SS-1 | PA-SS-2 | PA-SS-2 | PA-SS-3 | PA-SS-4 | PA-SS-5 | PA-SS-6 | PA-SS-7 | PA-SS-8 |
| | | | Sample Name | P-B-6_SS | P-B-6_SUB | P-B-7_SS | P-B-7_SS DUP | P-B-7_SUB | PA-SS-1_SS | PA-SS-2_SS | PA-SS-2_SS DUP | PA-SS-3_SS | PA-SS-4_SS | PA-SS-5_SS | PA-SS-6_SS | PA-SS-7_SS | PA-SS-8_SS |
| | | | Start Depth | 0 | 3.5 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 8.5 | 0.5 | 0.5 | 14 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/15/2013 | 11/15/2013 | 12/2/2013 | 12/2/2013 | 12/2/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 |
| | | | Parent Sample | | | | P-B-7_SS_12/02/13 | | | | PA-SS-2_SS_12/13/13 | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 1300 | 4100 | 1100 J | 1500 J | 370 J | 3600 J | 270 J | 790 J | 110 J | 970 J | 1300 J | 3600 J | 31 J | 290 J |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 7.4 | 9.5 J+ | 19 J | 26 J | 7.6 J | 7.7 J | 1.1 J | 3 J | 0.83 J | 23 J | 21 J | 1.6 J | 0.22 J | 5.4 J |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 170 | 490 | 1000 J | 1300 J | 210 J | 160 J | 210 J | 270 J | 220 J | 570 J | 130 J | 260 J | 380 J | 3900 J |

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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PP-B-1 | PP-B-1 | PP-B-2 | PP-B-2 | PP-B-3 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | PP-B-4 |
| | | | Sample Name | PP-B-1 0-4 | PP-B-1 11-13 | PP-B-2 0-4 | PP-B-2 7-15 | PP-B-3 0-0.5 | PP-B-3 10.0-11.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 10.0-11.5 | PP-B-4 5.0-6.5 |
| | | | Start Depth | 0 | 11 | 0 | 7 | 0 | 10 | 5 | 0 | 10 | 5 |
| | | | End Depth | 4 | 13 | 4 | 15 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/12/2013 | 12/12/2013 | 12/12/2013 | 12/12/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 90 J | 290 J | 2100 J- | 1300 J | 12000 | 380 | 1600 | 1100 | 190 | 82 |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 0.22 J- | 2.1 J- | 11 J- | 5.3 J- | 23 | 3 | 7.6 | 3.1 | 3.1 | 2.4 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 36 J- | 24 J- | 470 J- | 740 J- | 1000 J | 160 J | 100 J | 260 J | 100 J | 22 J |

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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | SpentCausticLagoon |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | LS-B-1 | PP-B-1 | PP-B-1 | PP-B-2 | PP-B-2 | SW-B-1 | SW-B-2 | SW-B-3 | SW-B-4 | TR-B-1 | TR-B-2 | SC-SS-1 |
| | | | Sample Name | LS-B-1 | PP-B-1 0-4 | PP-B-1 11-13 | PP-B-2 0-4 | PP-B-2 7-15 | SW-B-1 | SW-B-2 | SW-B-3 | SW-B-4 | TR-B-1 | TR-B-2 | SC-SS-1_DUP |
| | | | Start Depth | 0 | 0 | 11 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 15 | 4 | 13 | 4 | 15 | 30 | 29 | 30 | 30 | 30 | 30 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/13/2013 | 12/12/2013 | 12/12/2013 | 12/12/2013 | 12/12/2013 | 12/16/2013 | 12/16/2013 | 12/17/2013 | 12/17/2013 | 12/13/2013 | 12/16/2013 | 12/6/2013 |
| | | | Parent Sample | | | | | | | | | | | | SC-SS-1_SS_12/06/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 370 J | 90 J | 290 J | 2100 J- | 1300 J | 39 J | 54 J | 98 J | 95 J | 280 J | 370 J | 17000 J |
| Fluoride | mg/kg | 41000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 2.6 J | 0.22 J- | 2.1 J- | 11 J- | 5.3 J- | 0.95 J- | 0.85 J- | 0.73 J- | 5.2 J- | 1.3 J | 8.1 J- | 1.4 J |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 160 J | 36 J- | 24 J- | 470 J- | 740 J- | 49 J- | 53 J- | 35 J- | 190 J- | 150 J | 130 J- | 12000 J |

**Notes:**
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* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | SpentCausticLagoon | SpentCausticLagoon | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | SC-SS-1 | SC-SS-2 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-1 | BD-1 | BD-10 | BD-10 | BD-10 | BD-10 | BD-10 | BD-11 |
| | | | Sample Name | SC-SS-1_SS | SC-SS-2_SS | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | | | | | | | | | |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 9 | 9 | 0 | 19 | 35 | 4 | 9 | 0 |
| | | | End Depth | 0.5 | 0.5 | 5 | 5 | 5 | 5 | 20 | 10 | 10 | 0.5 | 20 | 36 | 5 | 10 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/6/2013 | 12/6/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | SW-1 1E_08/15/13 | | | | BD-1-10_51001 | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | 1000 | 1600 | 1200 | 420 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | -- | -- | 82 U | 82 U | 76 U | 77 U | 2.3 U | 2.1 U | 2.2 U | 2 U | 2.1 U | 2.3 U | 2.1 U | 2.2 U | 2 U |
| Calcium carbonate | mg/kg | | | -- | -- | 120 | 100 U | 95 U | 420 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | 900 | 1000 | 890 | 96 U | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 13000 J | 11000 J | 230000 | 220000 | 180000 | 200000 | 490 | 130 | 120 | 2300 | 300 | 220 | 49 | 150 | 17 |
| Fluoride | mg/kg | 41000 | | -- | -- | 41 U | 41 U | 38 U | 39 U | 10 J- | 1.1 UJ- | 1.1 UJ- | 1.1 | 3.1 | 3.6 | 2.6 | 3.4 | 1.1 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 1.5 J | 2.5 J | **2500** | **2300** | **1100** | **1100** | 4.4 | 5.5 | 5 | **160** | 5.1 | 2.9 | 6.6 | 13 | 2 |
| pH | s.u. | | | -- | -- | 8.2 | 8.7 | 8.7 | 6.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 6500 J | 7500 J | 9200 | 6800 | 3400 | 14000 | 3100 | 97 | 90 | 760 | 280 | 420 | 63 | 2300 | 52 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-13 | BD-13 | BD-13 | BD-13 | BD-13 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 0.5 | 19 | 29 | 34 | 4 | 9 | 0 | 0.5 | 19 | 29 | 36 | 4 | 9 | 19 | 19 | 36 | 36 | 9 |
| | | | End Depth | 1.5 | 20 | 30 | 35 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 37 | 5 | 10 | 20 | 20 | 37 | 37 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | BD-13-20_51211 | | BD-13-37_51212 | | BD-13-10_51210 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.1 U | 2.1 U | 2.1 U | 2.3 U | 2.2 U | 2.2 U | 4.3 | 2.1 U | 2.1 U | 2.1 U | 2.2 U | 2.1 U | 2.2 U | 2.1 U | 2.3 U | 2.2 U | 2.2 U | 2 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 14 | 290 | 310 | 210 | 59 | 510 | 8700 | 690 | 120 | 110 | 160 | 890 | 1000 | 14 | 5.7 | 520 | 480 | 470 |
| Fluoride | mg/kg | 41000 | | 1 U | 2.7 | 4.5 | 2.1 | 1.9 | 4.1 | 1 U | 2.2 | 2.8 | 3.9 | 3.9 | 1 U | 2.6 | 3.2 | 3 | 2.7 | 2.7 | 2.8 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 2.1 U | 2.1 U | 2.8 | 2.9 | 11 | 15 | 56 | 12 | 2.3 | 2.1 U | 2.2 | 20 | 16 | 2.1 U | 2.3 U | 2.7 | 2.7 | 8 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 59 | 200 | 270 | 12000 | 870 | 370 | 1200 | 370 | 140 | 210 | 210 | 250 | 250 | 43 | 31 | 1600 | 1400 | 59 |

**Notes:**
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+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit; reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-13 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-3 | BD-3 | BD-3 | BD-3 | BD-4 | BD-4 | BD-5 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 9 | 0 | 0.5 | 19 | 36 | 4 | 9 | 0 | 0.5 | 19 | 37 | 4 | 9 | 18 | 27 | 4 | 8 | 14 | 21 | 19 |
| | | | End Depth | 10 | 0.5 | 1.5 | 20 | 37 | 5 | 10 | 0.5 | 1.5 | 20 | 38 | 5 | 10 | 19 | 28 | 5 | 9 | 15 | 22 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.1 U | 35 | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 23 | 2.1 U | 2.1 U | 2.1 U | 2 U | 2.1 U | 2.2 U | 2.1 U | 2 U | 2.1 U | 2.2 U | 2.6 U | 2.2 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 11 UJ | 7900 | 720 | 8.5 | 700 | 300 | 230 | 5200 | 460 | 21 | 20 | 280 | 700 | 120 | 52 | 55 | 47 | 15 | 370 | 550 |
| Fluoride | mg/kg | 41000 | | 2.8 | 0.99 U | 1.2 | 2.8 | 2.6 | 1.9 | 2.9 | 1 U | 2.7 | 3.6 | 2.9 | 1.6 | 2.5 | 2.8 J- | 4.3 J- | 1.4 J- | 2.9 J- | 4.6 | 10 | 7 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 6.4 | 77 | 21 | 2.1 U | 2.1 U | 12 | 2.1 U | 33 | 11 | 2.1 U | 2.1 U | 8.4 | 13 | 4 | 2.7 | 2.7 | 2.2 | 2.3 | 5.7 | 9 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 57 | 1700 | 710 | 34 | 260 | 72 | 76 | 1600 | 130 | 47 | 51 | 58 | 65 | 100 | 110 | 72 | 51 | 120 | 490 | 310 |

**Notes:**
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U = analyte not detected above referenced laboratory limit
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**bold = analyte concentration exceeds comparison level**
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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-5 | BD-5 | BD-5 | BD-6 | BD-6 | BD-6 | BD-6 | BD-6 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-8 | BD-8 | BD-8 | BD-8 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 27 | 4 | 9 | 0 | 19 | 22 | 4 | 9 | 0 | 0.5 | 19 | 24 | 4 | 9 | 0 | 0 | 0.5 | 0.5 |
| | | | End Depth | 28 | 5 | 10 | 0.5 | 20 | 23 | 5 | 10 | 0.5 | 1.5 | 20 | 25 | 5 | 10 | 0.5 | 0.5 | 1.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | BD-8-0.5_51317 | | BD-8-1.5_51193 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.2 U | 2.1 U | 2.1 U | 2 U | 2.1 U | 2.4 U | 2.1 U | 2.1 U | 2 U | 2.5 U | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 1.9 U | 1.9 U | 2.2 U | 2.2 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 660 | 290 | 97 | 11000 | 190 | 1200 | 9100 | 5200 | 12 | 1300 | 390 | 530 | 3900 | 1500 | 3000 | 1700 | 3800 | 3700 |
| Fluoride | mg/kg | 41000 | | 6.1 | 1.5 | 2.7 | 0.98 U | 4.3 | 7.7 | 1.2 | 2.4 | 1.5 | 3 | 5.6 | 3.5 | 1.9 | 2.7 | 1.1 | 1.2 | 1.1 U | 1.1 U |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 8.8 | 9.3 | 3 | **160** | 3.3 | 40 | **160** | 98 | 2 U | 7.6 | 20 | 15 | 21 | 47 | **210** | 73 | **550** | **530** |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 380 | 120 | 120 | 270 | 97 | 760 | 290 | 230 | 26 | 100 | 280 | 220 | 250 | 200 | 260 | 150 | 7600 | 7200 |

**Notes:**
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+/- = suspected high or low bias
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U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit; reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | BD-9 | BD-9 | BD-9 | BD-9 | NW-1 | NW-10 | NW-10 | NW-10 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 19 | 19 | 28 | 28 | 4 | 4 | 9 | 9 | 0 | 19 | 30 | 4 | 9 | 19 | 13 | 28 | 4 |
| | | | End Depth | 20 | 20 | 29 | 29 | 5 | 5 | 10 | 10 | 0.5 | 20 | 31 | 5 | 10 | 20 | 14 | 29 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/2/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 |
| | | | Parent Sample | BD-8-20_51195 | | BD-8-29_51321 | | BD-8-5_51197 | | BD-8-10_51194 | | | | | | | | | | NW-10-5_51093 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 2 U | 2.1 U | 2.4 U | 2.1 U | 2.1 U | 2.2 U | 2.2 U | 2.1 U | 2.1 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 1600 | 1500 | 330 | 300 | 1800 | 1800 | 1700 | 1400 | 75 | 290 | 1000 | 170 | 500 | 35 | 870 | 280 | 850 |
| Fluoride | mg/kg | 41000 | | 2.5 | 2.3 | 3.7 | 3.7 | 1.7 | 1.7 | 1.2 | 1.2 | 1.2 | 2.5 | 2 | 3.4 | 1.8 | 6.2 | 4.6 | 5.3 | 1.8 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 26 | 26 | 4.3 | 4 | 110 | 120 | 10 | 8 | 2.8 | 7.9 | 7.3 | 2.1 U | 6.3 | 2.2 U | 9.7 | 5.4 | 26 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 260 | 250 | 190 | 170 | 660 | 630 | 6300 | 5000 | 42 | 750 | 20000 | 71 | 3000 | 83 | 380 | 190 | 200 |

**Notes:**
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+/- = suspected high or low bias
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J = estimated concentration
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U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
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**bold = analyte concentration exceeds comparison level**
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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-10 | NW-11 | NW-11 | NW-11 | NW-11 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-13 | NW-13 | NW-13 | NW-13 | NW-14 | NW-14 | NW-14 | NW-14 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 4 | 19 | 25 | 4 | 9 | 0 | 0.5 | 19 | 26 | 4 | 9 | 19 | 28 | 4 | 9 | 19 | 21 | 4 | 4 |
| | | | End Depth | 5 | 20 | 26 | 5 | 10 | 0.5 | 1.5 | 20 | 27 | 5 | 10 | 20 | 29 | 5 | 10 | 20 | 22 | 5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/25/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/2/2011 | 5/2/2011 | 4/27/2011 | 4/27/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | NW-14-5_50969 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.1 U | 2.2 U | 2.1 U | 2.1 U | 2.1 U | 2 U | 2.1 U | 2.1 U | 2.2 U | 2.1 U | 2.1 U | 2.2 U | 2.1 U | 2.1 U | 2.2 U | 2.2 U | 2.2 U | 2.1 U | 2 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 870 | 1000 | 370 | 120 | 150 | 7700 | 1800 | 390 | 230 | 1100 | 830 | 860 | 680 | 210 | 1100 | 1300 | 1200 | 67 | 67 |
| Fluoride | mg/kg | 41000 | | 1.7 | 6.5 | 10 | 19 | 3.6 | 0.99 U | 1 U | 6.9 | 5.3 | 1.9 | 2.3 | 7.5 | 5.1 | 1.1 U | 8.7 | 4.1 | 4.5 | 11 | 11 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 27 | 23 | 6.9 | 8.3 | 11 | **160** | 37 | 7.4 | 5 | 21 | 6 | 11 | 7.2 | 11 | 43 | 32 | 30 | 6 | 5.9 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 230 | 1100 | 280 | 230 | 180 | 960 | 310 | 250 | 170 | 760 | 350 | 520 | 430 | 65 | 250 | 5300 | 2200 | 1400 | 1800 |

**Notes:**
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* LCS or LCSD exceeds the control limits
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**bold = analyte concentration exceeds comparison level**
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**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-14 | NW-15 | NW-15 | NW-15 | NW-15 | NW-16 | NW-16 | NW-16 | NW-16 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-18 | NW-18 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 9 | 19 | 29 | 4 | 9 | 19 | 28 | 4 | 9 | 19 | 19 | 28 | 4 | 4 | 9 | 9 | 0 | 0.5 |
| | | | End Depth | 10 | 20 | 30 | 5 | 10 | 20 | 29 | 5 | 10 | 20 | 20 | 29 | 5 | 5 | 10 | 10 | 0.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/19/2011 | 5/3/2011 |
| | | | Parent Sample | | | | | | | | | | NW-17-20_50984 | | | NW-17-5_51152 | | NW-17-10_50983 | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2 U | 2.2 U | 2.1 U | 2 U | 2.1 U | 2.1 U | 2.2 U | 2.2 U | 2.1 U | 2.1 U | 2.1 U | 2.2 U | 2.1 U | 2 U | 2.1 U | 2.1 U | 3.6 | 2.1 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 36 | 590 | 260 | 750 | 710 | 370 | 850 | 180 | 3.8 | 780 | 800 | 530 | 260 | 220 | 530 | 480 | 14000 | 430 |
| Fluoride | mg/kg | 41000 | | 3.1 | 6 | 5.6 | 3 | 2.6 | 3.5 | 4.8 | 4.2 | 3.3 | 4.5 | 4.2 | 5.2 | 1 U | 1 U | 9.4 | 8.6 | 1 U | 1 U |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 11 | 11 | 7.5 | 14 | 4.7 | 17 | 13 | 5.2 | 2.1 U | 9.9 | 11 | 15 | 2.1 U | 2 U | 2.8 | 2.7 | **190** | 16 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 5000 | 430 | 350 | 220 | 560 | 290 | 320 | 62 | 140 | 350 | 350 | 540 | 220 | 280 | 250 | 230 | 1600 | 170 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit; reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-18 | NW-18 | NW-18 | NW-18 | NW-19 | NW-19 | NW-19 | NW-19 | NW-19 | NW-19 | NW-2 | NW-3 | NW-3 | NW-3 | NW-3 | NW-4 | NW-4 | NW-4 | NW-4 | NW-4 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 19 | 28 | 4 | 9 | 0 | 0.5 | 19 | 29 | 4 | 9 | 19 | 10 | 20 | 27 | 4 | 0 | 0.5 | 10 | 20 | 28 |
| | | | End Depth | 20 | 29 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 5 | 10 | 20 | 11 | 21 | 28 | 5 | 0.5 | 1.5 | 11 | 21 | 29 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/19/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/19/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.1 U | 2.3 U | 2.1 U | 2.1 U | 35 | 9.3 | 2.1 U | 2.2 U | 2.1 U | 2.1 U | 2.4 U | 2.2 U | 2.1 U | 2.4 U | 2 U | 2 U | 2 U | 2.1 U | 2.2 U | 2.3 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 250 | 1000 | 930 | 530 | 6500 | 1900 | 600 | 420 | 460 | 550 | 12 | 170 | 230 | 56 | 220 | 13 | 1000 | 4300 | 1000 | 110 |
| Fluoride | mg/kg | 41000 | | 3.1 | 6.9 | 1.7 | 2.6 | 1 U | 1 U | 3.3 | 2 | 3.8 | 2 | 6.9 | 2.7 | 8.4 | 9.8 | 2 | 1.3 | 2.8 | 1.2 | 5.7 | 2.6 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 4 | 23 | 33 | 13 | 3.4 | 7.4 | 5.8 | 19 | 20 | 15 | 2.4 U | 2.4 | 5 | 2.4 U | 4.4 | 2 U | 120 | **160** | 19 | 3.6 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 270 | 480 | 160 | 210 | 810 | 130 | 300 | 17000 | 130 | 180 | 76 | 110 | 200 | 110 | 83 | 24 | 130 | 190 | 240 | 110 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-4 | NW-5 | NW-5 | NW-5 | NW-6 | NW-6 | NW-6 | NW-6 | NW-6 | NW-6 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-8 | NW-8 | NW-8 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 4 | 19 | 20 | 9 | 0 | 0.5 | 12 | 22 | 24 | 4 | 0 | 0.5 | 14 | 24 | 26 | 4 | 19 | 22 | 9 |
| | | | End Depth | 5 | 20 | 21 | 10 | 0.5 | 1.5 | 13 | 23 | 25 | 5 | 0.5 | 1.5 | 15 | 25 | 27 | 5 | 20 | 23 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/2/2011 | 4/26/2011 | 5/2/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.1 U | 2.2 U | 2.2 U | 2.1 U | 12 | 9.3 | 2.1 U | 2.3 U | 2.3 U | 2.2 U | 1.9 U | 2 U | 2.1 U | 2.1 U | 2.2 U | 2 U | 2.1 U | 2.2 U | 2.1 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 790 | 53 | 130 | 5.2 | 2600 | 2000 | 38 | 320 | 260 | 980 | 270 | 1400 | 400 | 200 | 130 | 520 | 520 | 360 | 46 |
| Fluoride | mg/kg | 41000 | | 1.7 | 8 | 6.7 | 6 | 1.7 | 2.5 | 4.1 | 6.8 | 5 | 1.7 | 0.97 U | 1 U | 6.7 | 5.8 | 5.6 | 1.9 | 4.2 | 5.1 | 3.4 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 97 | 2.7 | 3.4 | 2.1 U | 2 U | 3.8 | 2.1 U | 7.7 | 5.9 | 8.5 | 9.2 | 40 | 7.6 | 4.4 | 3.8 | 9.5 | 9.3 | 6.8 | 2.3 |
| pH | s.u. | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 130 | 140 | 210 | 83 | 1300 | 920 | 68 | 280 | 300 | 280 | 57 | 76 | 250 | 130 | 150 | 100 | 180 | 190 | 150 |

**Notes:**
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+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit; reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-4. Soil Summary - General Chemistry**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-9 | NW-9 | NW-9 | SW-5 | SW-5 |
| | | | Sample Name | | | | | |
| | | | Start Depth | 12 | 26 | 4 | 19 | 39 |
| | | | End Depth | 13 | 27 | 5 | 20 | 40 |
| | | | Depth Units | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/18/2011 | 5/18/2011 |
| | | | Parent Sample | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | |
| Alkalinity | mg/kg | | | -- | -- | -- | -- | -- |
| Bromide | mg/kg | | | 2.1 U | 2.1 U | 2.1 U | 2.1 U | 3.2 U |
| Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- |
| Carbonate Alkalinity as Calcium carbonate | mg/kg | | | -- | -- | -- | -- | -- |
| Chloride | mg/Kg | | | 270 | 87 | 1000 | 260 | 2600 |
| Fluoride | mg/kg | 41000 | | 3.4 | 4.7 | 2.8 | 3.5 | 9.5 |
| Nitrate as Nitrogen | mg/Kg | 100000 | **140** | 3.6 | 2.5 | 17 | 4.3 | 19 |
| pH | s.u. | | | -- | -- | -- | -- | -- |
| Sulfate | mg/Kg | | | 190 | 130 | 170 | 210 | 790 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | Boneyard | Boneyard | Boneyard | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | A9-B-2 | BY-SS-1 | BY-SS-2 | BY-SS-3 | BY-SS-3 | BY-SS-4 | DD-B-1 | DD-B-1 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 10.0-11.5 | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 10.0-11.5 | A9-B-2 5-6.5 | BY-SS-1_SS | BY-SS-2_SS | BY-SS-3_SS | BY-SS-3_SS DUP | BY-SS-4_SS | DD-B-1_SS | DD-B-1_SUB |
| | | | Start Depth | 0 | 0 | 10 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| | | | End Depth | 0.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 15 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 11/14/2013 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | | | | BY-SS-3_SS_11/20/13 | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **8200** | **7000** | **6700** | **7900** | **6100** | **7000** | **6300** | **7700** | **6900** | **11000** | **8600** | **6700** | **3100** | **7400** |
| Antimony | mg/Kg | 454 | **6** | 2.9 UJ- | 3.2 UJ- | 3 UJ- | 2.8 UJ- | 3 UJ- | 3.2 UJ- | 3 UJ- | 2.8 UJ- | 1.1 UJ- | 3 UJ- | 16 UJ- | 3.2 UJ- | 1.2 UJ- | 1.3 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 3.5 J | 5.1 | 5.3 | 4.3 J | 7 | 4.4 J | 4.3 J | 3.8 J | 5.2 | 3.5 J | 3.4 J | 2.7 J | 8.4 | 7.1 |
| Barium | mg/Kg | 100000 | **1640** | 170 | 140 | 120 | 140 | 150 | 140 | 110 | 170 J- | 150 J- | 210 J- | 290 J- | 130 J- | 930 J+ | 170 J+ |
| Beryllium | mg/Kg | 2230 | 60 | 0.71 U | 0.77 U | 0.72 U | 0.69 U | 0.73 U | 0.77 U | 0.72 U | 0.73 U | 0.52 J | 0.8 U | 4.3 U | 0.84 U | 0.63 J | 0.64 J |
| Cadmium | mg/Kg | 560 | 8 | 0.32 U | 0.35 U | 0.33 U | 0.31 U | 0.33 U | 0.35 U | 0.33 U | 0.43 U | 0.17 U | 0.47 U | 2.5 U | 0.5 U | 0.19 U | 0.21 U |
| Calcium | mg/Kg | | | 75000 | 67000 | 18000 | 21000 | 63000 | 32000 | 32000 | 20000 J | 16000 J | 24000 J | 87000 J | 16000 J | 6700 | 20000 |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 21 | 19 | 13 | 14 | 170 | 17 | 14 | 32 | 12 | 15 | 14 J | 13 | 3 | 13 |
| Cobalt | mg/Kg | 337 | **9.9** | 9.3 J | 9.4 J | **10 J** | 9.9 J | **11 J** | **10 J** | **10 J** | **16 J** | 9 | 9.2 J | 24 U | **11 J** | 3.1 J | 7 J |
| Copper | mg/Kg | 42200 | **915** | 15 J | 16 J | 17 J | 17 J | 34 | 18 J | 17 J | 64 | 22 | 21 | 19 J | 17 | 40 | 14 |
| Iron | mg/Kg | 100000 | **151** | **13000** | **9900** | **11000** | **12000** | **15000** | **11000** | **11000** | **16000** | **14000** | **15000** | **13000** | **12000** | **9700** | **12000** |
| Lead | mg/Kg | 800 | | 16 | 16 | 12 | 11 | 27 | 11 | 11 | 25 | 17 | 17 | 15 J | 10 | 27 | 7.8 |
| Magnesium | mg/Kg | 100000 | **19500** | 11000 | 9100 | 6300 | 7900 | 9300 | 7700 | 7600 | 10000 | 12000 | 12000 | **20000** | 5700 | 3300 | 8600 |
| Manganese | mg/Kg | **100000** | **26.1** | **510** | **430** | **300** | **330** | **630** | **210** | **230** | **1700** | **710** | **570** | **530** | **340** | **260** | **550** |
| Mercury | mg/Kg | 182 | **2.09** | 0.017 J | 0.052 J+ | 0.034 J+ | 0.019 J | 0.0097 U | 0.012 J | 0.013 J | 0.062 | 0.024 J | 0.019 J | 0.019 J | 0.012 J | 0.01 U | 0.019 J |
| Nickel | mg/Kg | 21800 | **140** | 18 J | 19 J | 18 J | 18 J | 33 J | 19 J | 19 J | 26 | 16 | 17 J | 15 J | 19 J | 2.8 J | 14 |
| Niobium | mg/Kg | **114** | **25.6** | 5.2 J | 15 J- | 1.9 UJ- | 2 UJ- | 19 J- | 1.9 UJ- | 1.9 UJ- | 10 J | 2.4 J | 2 J | 2.2 J | 2.9 J | 1.8 UJ | 2 UJ |
| Potassium | mg/Kg | | | 2200 J | 1900 J | 1400 J | 1400 J | 1400 J | 1500 J | 1200 J | 1500 J | 1900 J | 3300 J- | 8500 UJ- | 1700 UJ- | 760 J | 1700 J+ |
| Selenium | mg/Kg | 5680 | 6 | 2 U | 2.1 U | 2 U | 1.9 U | 2 U | 2.1 U | 2 U | 1.3 U | 0.5 U | 1.4 U | 7.3 U | 1.4 U | 0.55 UJ- | 0.79 J |
| Silver | mg/Kg | 5680 | 17 | 0.66 U | 0.72 U | 0.68 U | 0.64 U | 0.68 U | 0.72 U | 0.68 U | 1 U | 0.4 U | 1.1 U | 5.9 U | 1.2 U | 0.45 U | 0.49 U |
| Sodium | mg/Kg | | | 1800 | 1600 | 2500 | 1800 | 1200 | 2400 | 740 J | 670 J+ | 890 J+ | 4500 | 2900 J+ | 1700 J+ | 110 J | 370 |
| Thallium | mg/Kg | 79.5 | **8** | 0.74 U | 0.73 U | 0.76 U | 0.8 U | 0.73 U | 0.77 U | 0.78 U | 0.66 U | 0.66 U | 0.72 U | 0.77 U | 0.76 U | 0.73 U | 0.79 U |
| Titanium | mg/Kg | 100000 | 2920000 | 720 | 560 | 420 | 460 | 790 | 430 | 370 | 960 | 590 | 840 | 720 | 670 | 290 | 550 |
| Uranium | mg/Kg | 3400 | 270 | 1.2 J | 2.2 J | 1.5 | 1.7 | 3.7 | 1.9 | 1.4 | 1.5 | 1.3 | 0.73 | 0.76 | 0.75 | 2.6 | 1.7 |
| Vanadium | mg/Kg | **5680** | **6000** | 60 | 41 J | 27 J | 25 J | 540 | 25 J | 38 J | 58 J- | 34 J- | 37 | 35 J | 32 J- | 14 | 33 |
| Zinc | mg/Kg | 100000 | 12400 | 42 J | 39 J | 45 J | 43 J | 50 J+ | 48 J | 41 J | 62 | 50 | 47 | 56 J | 39 | 51 | 29 |

**Notes:**
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* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-10 | DD-B-10 | DD-B-10 | DD-B-2 | DD-B-2 | DD-B-3 | DD-B-3 | DD-B-4 | DD-B-4 | DD-B-5 | DD-B-5 | DD-B-6 | DD-B-6 |
| | | | Sample Name | DD-B-10_SS | DD-B-10_SUB | DD-B-10_SUB DUP | DD-B-2_SS | DD-B-2_SUB | DD-B-3_SS | DD-B-3_SUB | DD-B-4_SS | DD-B-4_SUB | DD-B-5_SS | DD-B-5_SUB | DD-B-6_SS | DD-B-6_SUB |
| | | | Start Depth | 0 | 10 | 10 | 0 | 10 | 0 | 10 | 0 | 5.5 | 0 | 9 | 0 | 10 |
| | | | End Depth | 0.5 | 15 | 15 | 0.5 | 15 | 0.5 | 15 | 0.5 | 10.5 | 0.5 | 14 | 0.5 | 15 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/4/2013 | 12/4/2013 | 12/4/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 12/2/2013 | 12/2/2013 | 11/13/2013 | 11/13/2013 | 12/3/2013 | 12/3/2013 |
| | | | Parent Sample | | | DD-B-10_SUB_12/04/13 | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **12000** | **18000** | **13000** | **9400** | **7300** | **7500** | **7900** | **12000** | **12000** | **9900** | **9500** | **11000** | **11000** |
| Antimony | mg/Kg | 454 | **6** | 3.1 UJ- | 3.3 UJ- | 3.2 UJ- | 1.3 UJ- | 1.3 UJ- | 1.3 UJ- | 1.4 UJ- | 3.5 UJ- | 3.2 UJ- | 3.2 UJ- | 3.3 UJ- | 3.4 UJ- | 3.3 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 4.3 J | 3.4 J | 5.2 | 4.6 J | 10 | 4.9 J | 6.8 | 4.8 J | 4.5 J | 4.3 J | 5.8 | 4.4 J | 4.2 J |
| Barium | mg/Kg | 100000 | **1640** | 220 J+ | 170 J+ | 200 J+ | 260 J+ | 130 J+ | 150 J+ | 200 J+ | 290 J+ | 170 J+ | 350 J- | 160 J- | 180 J+ | 140 J+ |
| Beryllium | mg/Kg | 2230 | 60 | 0.77 U | 0.86 U | 0.87 U | 0.96 J | 0.61 J | 0.68 J | 0.66 J | 0.92 U | 0.85 U | 0.83 U | 0.87 U | 0.88 U | 0.88 U |
| Cadmium | mg/Kg | 560 | 8 | 0.46 U | 0.51 U | 0.51 U | 0.35 J | 0.2 U | 0.2 U | 0.21 U | 0.54 U | 0.5 U | 0.54 J | 0.52 U | 0.52 U | 0.52 U |
| Calcium | mg/Kg | | | 20000 J+ | 28000 J+ | 27000 J+ | 27000 | 35000 | 8300 | 25000 | 28000 J | 20000 J | 21000 | 25000 | 16000 J | 26000 J |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 17 | 14 | 15 | 20 | 11 | 16 | 15 | 170 | 17 | 46 | 11 | 49 | 11 |
| Cobalt | mg/Kg | 337 | **9.9** | **10 J** | **11 J** | 9.4 J | **18** | 6.7 J | 9 J | 7.2 J | **14 J** | 8.9 J | **19 J** | 9.3 J | 9 J | 8.9 J |
| Copper | mg/Kg | 42200 | **915** | 23 | 21 | 17 | 33 | 13 | 20 | 14 | 89 | 18 | 44 | 16 | 19 | 17 |
| Iron | mg/Kg | 100000 | **151** | **18000** | **17000** | **17000** | **14000** | **12000** | **13000** | **13000** | **16000** | **18000** | **13000** | **13000** | **16000** | **15000** |
| Lead | mg/Kg | 800 | | 17 | 9.3 J+ | 10 J+ | 26 | 6.7 | 13 | 6.7 | 42 | 10 | 26 | 9.1 | 58 | 8.1 J+ |
| Magnesium | mg/Kg | 100000 | **19500** | 10000 J+ | 11000 J+ | 10000 J+ | 9200 | 8200 | 8000 | 10000 | 14000 J+ | 10000 J+ | 11000 | 8300 | 11000 J+ | 11000 J+ |
| Manganese | mg/Kg | **100000** | **26.1** | **720 J+** | **420** | **400 J+** | **3000** | **240** | **640** | **760** | **2000** | **360** | **2600** | **340** | **1200** | **330** |
| Mercury | mg/Kg | 182 | **2.09** | 0.027 J | 0.029 J | 0.011 U | 0.047 | 0.011 U | 0.016 J | 0.012 U | 0.22 | 0.017 J | 0.045 | 0.011 U | 0.026 J | 0.011 U |
| Nickel | mg/Kg | 21800 | **140** | 19 | 20 | 18 J | 18 | 12 | 16 | 14 | 30 | 18 J | 27 | 17 J | 32 | 18 J |
| Niobium | mg/Kg | **114** | **25.6** | 6.9 J | 2 UJ- | 1.7 UJ- | 4.1 J | 1.9 UJ | 1.9 UJ | 2 UJ | **160 J-** | 12 J | **50** | 1.8 U | 25 J- | 6.7 J |
| Potassium | mg/Kg | | | 3100 U | 3400 U | 3500 U | 2300 J+ | 1500 J+ | 2700 J+ | 1500 J+ | 2200 J | 2100 J | 2200 J | 1700 U | 3500 U | 3500 U |
| Selenium | mg/Kg | 5680 | 6 | 1.3 U | 1.5 U | 1.5 U | 1.6 J | 0.56 UJ- | 0.82 J | 0.89 J | 1.6 UJ- | 1.5 UJ- | 1.5 J | 1.5 U | 1.5 UJ- | 1.5 UJ- |
| Silver | mg/Kg | 5680 | 17 | 1.1 U | 1.2 U | 1.2 U | 0.48 U | 0.46 U | 0.47 U | 0.5 U | 5.2 J | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.2 U |
| Sodium | mg/Kg | | | 830 J | 6000 J | 1400 J | 190 J | 1100 | 230 | 520 | 890 J+ | 850 J+ | 470 J | 600 J+ | 750 J | 800 J |
| Thallium | mg/Kg | 79.5 | **8** | 0.7 U | 0.77 U | 0.78 U | 1.2 J | 0.74 U | 0.76 U | 0.81 U | 0.83 U | 0.77 U | 0.76 U | 0.72 U | 0.8 U | 0.79 U |
| Titanium | mg/Kg | 100000 | 2920000 | 610 | 740 | 540 | 1400 | 480 | 500 | 560 | 3000 | 1100 | 1100 | 670 | 920 | 810 |
| Uranium | mg/Kg | 3400 | 270 | 1.1 | 1.1 | 1.5 | 1.4 | 2 | 1.2 | 1.6 | 21 | 1.3 | 4.5 | 1.3 | 8.3 | 1.5 |
| Vanadium | mg/Kg | **5680** | **6000** | 48 | 45 | 44 | 40 | 34 | 32 | 35 | 320 | 56 | 77 | 30 | 150 | 43 |
| Zinc | mg/Kg | 100000 | 12400 | 47 J+ | 47 J+ | 41 J+ | 61 | 29 | 40 | 31 | 85 J+ | 45 J+ | 60 | 34 J+ | 52 J+ | 37 J+ |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn | FrancyMtn | FrancyMtn | FrancyMtn | HP1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-7 | DD-B-7 | DD-B-8 | DD-B-8 | DD-B-9 | DD-B-9 | FM-SS-1 | FM-SS-1 | FM-SS-2 | FM-SS-2 | FM-SS-3 | FM-SS-4 | HP1-1 |
| | | | Sample Name | DD-B-7_SS | DD-B-7_SUB | DD-B-8_SS | DD-B-8_SUB | DD-B-9_SS | DD-B-9_SUB | FM-SS-1_SS | FM-SS-1_SS DUP | FM-SS-2_SS | FM-SS-2_SS DUP | FM-SS-3_SS | FM-SS-4_SS | DUP |
| | | | Start Depth | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 15 | 0.5 | 15 | 0.5 | 15 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/6/2013 | 12/6/2013 | 12/4/2013 | 12/4/2013 | 12/3/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 7/10/2013 |
| | | | Parent Sample | | | | | | | | FM-SS-1_SS_11/20/13 | | FM-SS-2_SS_11/20/13 | | | HP1-1-1_07/10/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **12000** | **9800** | **12000** | **13000** | **9500** | **8900** | **9100** | **8400** | **8600** | **8700** | **5200** | **7900** | **7700 J-** |
| Antimony | mg/Kg | 454 | **6** | 3.4 UJ- | 3.4 UJ- | 3 UJ- | 3 UJ- | 3.3 UJ- | 3.2 UJ- | 2.8 UJ- | 3 UJ- | 3 UJ- | 3 UJ- | 3 UJ- | 3.1 UJ- | 0.78 J |
| Arsenic | mg/Kg | 283 | **20** | 5.1 J | 4.6 J | 3.8 J | 5.1 | 4.9 J | 5 | 3 J | 2.8 J | 2.9 J | 2.5 J | 1.4 J | 2.6 J | 4.8 J- |
| Barium | mg/Kg | 100000 | **1640** | 350 J- | 200 J- | 230 J+ | 240 J+ | 210 J+ | 130 J+ | 170 | 150 J- | 180 J- | 170 J- | 110 J- | 150 J- | 180 J- |
| Beryllium | mg/Kg | 2230 | 60 | 0.9 U | 0.9 U | 0.8 U | 0.86 U | 0.86 U | 0.84 U | 0.74 U | 0.79 U | 0.78 U | 0.78 U | 0.79 U | 0.83 U | 0.49 J |
| Cadmium | mg/Kg | 560 | 8 | 0.8 J | 0.53 U | 0.48 U | 0.51 U | 0.51 U | 0.49 U | 0.44 U | 0.47 U | 0.46 U | 0.46 U | 0.47 U | 0.49 U | 0.11 J |
| Calcium | mg/Kg | | | 30000 | 35000 | 20000 J+ | 27000 J+ | 19000 J | 26000 J | 22000 J | 20000 J | 17000 J | 16000 J | 18000 J | 13000 J | 24000 J- |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 70 | 12 | 19 | 15 | 38 | 13 | 68 | 59 | 49 | 35 | **290** | 98 | 11 J- |
| Cobalt | mg/Kg | 337 | **9.9** | **17 J** | 7.7 J | **11 J** | 9.7 J | 9.7 J | 7.4 J | 9.1 J | 8.6 J | **10 J** | **10 J** | 8.6 J | **10 J** | 7.8 J- |
| Copper | mg/Kg | 42200 | **915** | 200 | 18 | 26 | 19 | 48 | 16 | 19 | 17 | 19 | 18 | 54 | 19 | 16 J- |
| Iron | mg/Kg | 100000 | **151** | **17000** | **14000** | **17000** | **16000** | **13000** | **13000** | **13000** | **13000** | **14000** | **14000** | **7800** | **12000** | **16000 J-** |
| Lead | mg/Kg | 800 | | 37 | 9.4 | 22 | 12 J+ | 16 | 8.2 J+ | 18 | 17 | 14 | 12 | 26 | 17 | 9.1 J- |
| Magnesium | mg/Kg | 100000 | **19500** | 11000 | 7800 | 11000 J+ | 10000 J+ | 8400 J+ | 7900 J+ | 8500 | 7300 | 6700 | 7000 | 4400 | 6300 | 12000 J- |
| Manganese | mg/Kg | **100000** | **26.1** | **2800** | **340** | **690 J+** | **500 J+** | **800** | **270** | **500** | **460** | **510** | **550** | **330** | **480** | **480 J-** |
| Mercury | mg/Kg | 182 | **2.09** | 0.39 | 0.012 J | 0.022 J | 0.011 U | 0.038 | 0.013 J | 0.021 J | 0.031 | 0.029 J | 0.028 J | 0.086 | 0.055 | 0.027 J |
| Nickel | mg/Kg | 21800 | **140** | 43 | 15 J | 21 | 18 J | 17 J | 15 J | 18 | 17 J | 17 J | 18 | 15 J | 19 J | 15 J- |
| Niobium | mg/Kg | **114** | **25.6** | **60 J-** | 2 UJ- | **29 J-** | 2.6 J | **41 J-** | 8.9 J | **45 J-** | **46 J-** | **30 J-** | 24 J | **300 J-** | **66 J-** | 0.67 J |
| Potassium | mg/Kg | | | 3200 | 2200 J | 3200 U | 3400 U | 3400 U | 3300 U | 2400 J- | 2200 J | 2000 J | 2100 J | 1600 UJ- | 1700 UJ- | 1800 J |
| Selenium | mg/Kg | 5680 | 6 | 1.5 U | 1.5 U | 1.4 U | 1.5 U | 1.5 UJ- | 1.4 UJ- | 1.3 U | 1.4 U | 1.3 U | 1.3 U | 1.4 U | 1.4 U | 0.43 J |
| Silver | mg/Kg | 5680 | 17 | 1.8 J | 1.2 U | 1.1 U | 1.1 U | 1.2 U | 1.2 U | 1.2 J | 1.1 U | 1.1 U | 1.1 U | 17 | 2.1 J | 1.1 UJ- |
| Sodium | mg/Kg | | | 1200 J+ | 1000 J | 630 J | 960 J | 1900 J+ | 1100 J+ | 840 J+ | 810 J+ | 450 J | 450 J | 570 J+ | 820 J+ | 1600 J |
| Thallium | mg/Kg | 79.5 | **8** | 0.81 U | 0.81 U | 0.72 U | 0.78 U | 0.78 U | 0.75 U | 0.67 U | 0.71 U | 0.7 U | 0.7 U | 0.71 U | 0.75 U | 0.11 J- |
| Titanium | mg/Kg | 100000 | 2920000 | 2400 | 830 | 660 | 530 | 1200 | 720 | 1500 | 1500 | 1100 | 1000 | 3200 | 1500 | 560 J- |
| Uranium | mg/Kg | 3400 | 270 | 2.7 | 1.3 | 1.6 | 1.6 | 6 | 1.6 | 11 | 9.6 | 6.2 | 4 | 48 | 15 | 0.9 J- |
| Vanadium | mg/Kg | **5680** | **6000** | 140 | 40 | 56 | 44 | 71 | 37 | 160 J- | 140 J- | 94 J- | 71 J- | 470 J- | 140 J- | 34 J- |
| Zinc | mg/Kg | 100000 | 12400 | 180 | 38 | 53 J+ | 40 J+ | 45 J+ | 35 J+ | 38 | 33 | 43 | 40 | 29 | 52 | 30 J- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | J2Landfill | J2Landfill | J2Landfill |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | HP1-1 | HP1-1 | HP1-2 | HP1-2 | HP1-3 | HP1-3 | HP1-3 | HP1-4 | HP1-4 | HP1-4 | HP1-5 | HP1-5 | HP1-6 | HP1-6 | J2-SS-1 | J2-SS-2 | J2-SS-3 |
| | | | Sample Name | HP1-1-1 | HP1-1-2 | HP1-2-1 | HP1-2-2 | HP1-3-1 | HP1-3-2 | HP1-3-3 | DUP 2 | HP1-4-1 | HP1-4-2 | HP1-5-1 | HP1-5-2 | HP1-6-1 | HP1-6-2 | J2-SS-1_SS | J2-SS-2_SS | J2-SS-3_SS |
| | | | Start Depth | 0 | 1.8 | 0 | 2 | 0 | 1.1 | 2 | 0 | 0 | 1.9 | 0 | 1.9 | 0 | 2 | 0 | 0 | 0 |
| | | | End Depth | 1 | 2.3 | 1 | 2.5 | 1 | 1.5 | 2.5 | 0 | 1 | 2.5 | 1 | 2.5 | 1 | 2.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/21/2013 | 11/21/2013 |
| | | | Parent Sample | | | | | | | | HP1-4-2_07/10/13 | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **7900 J-** | **7500 J-** | **8200 J-** | **7600 J-** | **6800 J-** | **7500 J-** | **7800 J-** | **7300 J-** | **7900 J-** | **8500 J-** | **6600 J-** | **7300 J-** | **7300 J-** | **8300 J-** | **8300** | **6800** | **6900** |
| Antimony | mg/Kg | 454 | **6** | 0.49 J | 0.69 J | 0.95 J | 0.74 J | 0.32 J | 0.75 J | 0.69 J | 0.67 J | 0.85 J | 0.57 J | 0.77 J | 0.54 J | 0.53 J | 0.79 J | 15 UJ- | 3 UJ- | 2.9 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 5.1 J- | 5 J- | 4.5 J- | 5.3 J- | 3.4 J- | 4.9 J- | 4.4 J- | 4.1 J- | 4.1 J- | 4.2 J- | 3.4 J- | 4.8 J- | 3.6 J- | 4.1 J- | 5 | 3.9 J | 4.4 J |
| Barium | mg/Kg | 100000 | **1640** | 190 J- | 130 J- | 200 J- | 160 J- | 180 J- | 160 J- | 160 J- | 170 J- | 210 J- | 200 J- | 140 J- | 170 J- | 140 J- | 170 J- | 290 J- | 140 J- | 140 J- |
| Beryllium | mg/Kg | 2230 | 60 | 0.48 J | 0.42 J | 0.47 J- | 0.47 J | 0.44 J | 0.45 J | 0.51 J- | 0.49 J- | 0.48 J- | 0.54 J- | 0.44 J- | 0.48 J- | 0.49 J- | 0.5 J- | 4 U | 0.78 U | 0.75 U |
| Cadmium | mg/Kg | 560 | 8 | 0.12 J | 0.1 J | 0.1 J | 0.11 J | 0.083 J | 0.21 J | 0.085 J | 0.1 J | 0.12 J | 0.11 J | 0.1 J | 0.12 J | 0.099 J | 0.11 J | 2.4 U | 0.46 U | 0.45 U |
| Calcium | mg/Kg | | | 32000 J- | 30000 J- | 23000 J- | 39000 J- | 16000 J- | 17000 J- | 21000 J- | 38000 J- | 16000 J- | 29000 J- | 30000 J- | 44000 J- | 28000 J- | 20000 J- | 63000 J | 22000 J | 38000 J |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 11 J- | 9.1 J- | 18 J- | 10 J- | 10 J- | 13 J- | 11 J- | 9.1 J- | 11 J- | 9.5 J- | 26 J- | 9.1 J- | 9.9 J- | 10 J- | **270** | 19 | 18 |
| Cobalt | mg/Kg | 337 | **9.9** | 7.6 J- | 6.5 J- | 8 J- | 7.1 J- | 6.8 J- | 8.4 J- | 7.1 J- | 6.3 J- | 7.8 J- | 7.8 J- | 8.5 J- | 7.1 J- | 7 J- | 7.4 J- | 22 U | **12 J** | **10 J** |
| Copper | mg/Kg | 42200 | **915** | 16 J- | 13 J- | 27 J- | 18 J- | 17 J- | 20 J- | 15 J- | 15 J- | 22 J- | 16 J- | 15 J- | 15 J- | 14 J- | 16 J- | 67 | 31 | 42 |
| Iron | mg/Kg | 100000 | **151** | **15000 J-** | **15000 J-** | **17000 J-** | **14000 J-** | **15000 J-** | **16000 J-** | **14000 J-** | **14000 J-** | **17000 J-** | **16000 J-** | **14000 J-** | **14000 J-** | **14000 J-** | **16000 J-** | **13000** | **10000** | **12000** |
| Lead | mg/Kg | 800 | | 8.6 J- | 7 J- | 15 J- | 6.7 J- | 11 J- | 15 J- | 7.2 J- | 7 J- | 27 J- | 8.5 J- | 11 J- | 7 J- | 8.5 J- | 7 J- | 31 | 12 | 19 |
| Magnesium | mg/Kg | 100000 | **19500** | 12000 J- | 11000 J- | 12000 J- | 13000 J- | 10000 J- | **30000 J-** | 14000 J- | 11000 J- | 12000 J- | 13000 J- | 6800 J- | 8200 J- | 12000 J- | 11000 J- | 16000 | 6100 | 12000 |
| Manganese | mg/Kg | **100000** | **26.1** | **360 J-** | **380 J-** | **650 J-** | **360 J-** | **480 J-** | **1300 J-** | **340 J-** | **290 J-** | **610 J-** | **380 J-** | **410 J-** | **330 J-** | **300 J-** | **300 J-** | **2300** | **1000** | **790** |
| Mercury | mg/Kg | 182 | **2.09** | 0.021 J | 0.018 J | 0.034 J | 0.023 J | 0.033 J | 0.13 J- | 0.026 J | 0.021 J | 0.04 J | 0.02 J | 0.031 J | 0.018 J | 0.023 J | 0.019 J | 0.15 | 0.036 | 0.042 |
| Nickel | mg/Kg | 21800 | **140** | 15 J- | 13 J- | 17 J- | 15 J- | 14 J- | 16 J- | 14 J- | 12 J- | 15 J- | 14 J- | 42 J- | 14 J- | 14 J- | 15 J- | 63 J | 18 | 19 |
| Niobium | mg/Kg | **114** | **25.6** | 0.79 J | 0.43 J | 2.3 J | 0.49 J | 0.65 J | 1 J | 0.53 J | 0.45 J | 0.71 J | 0.44 J | 0.59 J | 0.42 J | 0.41 J | 0.46 J | **150 J-** | 7.5 J | 8.9 J |
| Potassium | mg/Kg | | | 2000 J | 1600 J | 3100 J | 2300 J | 2000 J | 2100 J | 2300 J | 1400 J | 2300 J | 1500 J | 2300 J | 2000 J | 1900 J | 1600 J | 8000 UJ- | 1600 UJ- | 1500 J |
| Selenium | mg/Kg | 5680 | 6 | 0.5 J | 0.5 UJ- | 0.34 J | 0.52 UJ- | 0.59 J | 0.45 J | 0.36 J | 0.4 UJ- | 0.45 UJ- | 0.64 J | 0.43 UJ- | 0.41 UJ- | 0.44 UJ- | 0.43 J | 6.9 U | 1.3 U | 1.3 U |
| Silver | mg/Kg | 5680 | 17 | 1.1 UJ- | 1 UJ- | 0.84 UJ- | 1 UJ- | 0.92 UJ- | 1 UJ- | 1 UJ- | 0.8 UJ- | 0.9 UJ- | 0.94 UJ- | 0.86 UJ- | 0.83 UJ- | 0.88 UJ- | 0.91 UJ- | 5.6 U | 1.1 U | 1 U |
| Sodium | mg/Kg | | | 1700 J | 1200 J | 660 J | 600 J | 590 J | 700 J | 630 J | 900 J | 720 J | 1000 J | 11000 J | 11000 J | 1100 J | 1800 J | 1200 J | 6700 J+ | 820 J+ |
| Thallium | mg/Kg | 79.5 | **8** | 0.12 J- | 0.12 J- | 0.17 J- | 0.15 J- | 0.097 J- | 0.14 J- | 0.12 J- | 0.099 J- | 0.2 J- | 0.1 J- | 0.089 J- | 0.11 J- | 0.1 J- | 0.097 J- | 0.72 U | 0.7 U | 0.68 U |
| Titanium | mg/Kg | 100000 | 2920000 | 590 J- | 410 J- | 460 J- | 380 J- | 420 J- | 410 J- | 360 J- | 360 J- | 400 J- | 360 J- | 370 J- | 320 J- | 360 J- | 400 J- | 4500 | 840 | 1200 |
| Uranium | mg/Kg | 3400 | 270 | 0.87 J- | 0.98 J- | 0.82 J- | 1.3 J- | 0.62 J- | 0.99 J- | 0.8 J- | 0.98 J- | 0.67 J- | 0.96 J- | 1.4 J- | 0.94 J- | 1 J- | 1.3 J- | 13 | 1.3 | 1.2 |
| Vanadium | mg/Kg | **5680** | **6000** | 33 J- | 33 J- | 39 J- | 32 J- | 30 J- | 31 J- | 30 J- | 30 J- | 33 J- | 33 J- | 28 J- | 29 J- | 29 J- | 34 J- | 820 J- | 46 J- | 42 J- |
| Zinc | mg/Kg | 100000 | 12400 | 29 J- | 27 J- | 36 J- | 30 J- | 33 J- | 81 J- | 29 J- | 25 J- | 45 J- | 29 J- | 32 J- | 26 J- | 27 J- | 28 J- | 85 J | 44 | 43 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-1 | NE-B-1 | NE-B-1 | NE-B-2 | NE-B-2 | NE-B-3 | NE-B-3 | NE-B-3 | NE-B-4 | NE-B-4 | NE-B-4 |
| | | | Sample Name | NE-B-1_SS | NE-B-1_SUB | NE-B-1_SUB DUP | NE-B-2_SS | NE-B-2_SUB | NE-B-3_SS | NE-B-3_SUB | NE-B-3_SUB DUP | NE-B-4_SS | NE-B-4_SUB | NE-B-4_SUB DUP |
| | | | Start Depth | 0 | 8.5 | 8.5 | 0 | 10 | 0 | 10 | 10 | 0 | 1 | 1 |
| | | | End Depth | 0.5 | 13.5 | 13.5 | 0.5 | 15 | 0.5 | 15 | 15 | 0.5 | 6 | 6 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 12/4/2013 | 12/4/2013 | 12/4/2013 |
| | | | Parent Sample | | | NE-B-1_SS_11/22/13 | | | | | NE-B-3_SUB_11/22/13 | | | NE-B-4_SUB_12/04/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **5700** | **11000** | **8800** | **7800** | **9100** | **8100** | **7100** | **6800** | **9100** | **11000** | **11000** |
| Antimony | mg/Kg | 454 | **6** | 3.2 UJ- | 3.4 UJ- | 3.3 UJ- | 3.3 UJ- | 3.6 UJ- | 3.4 UJ- | 3.4 UJ- | 3.4 UJ- | 3.2 UJ- | 3.2 UJ- | 3.1 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 4.6 J | 4.2 J | 6 J+ | 5.4 J+ | 6.2 J+ | 5.4 J+ | 5.8 J+ | 5.2 J | 6.7 | 2.8 J | 4.4 J |
| Barium | mg/Kg | 100000 | **1640** | 72 J+ | 180 J+ | 150 J+ | 140 J+ | 140 J+ | 130 J+ | 110 J+ | 110 J+ | 210 J+ | 180 | 220 J+ |
| Beryllium | mg/Kg | 2230 | 60 | 0.85 U | 0.9 U | 0.87 U | 0.86 U | 0.94 U | 0.89 U | 0.9 U | 0.9 U | 0.83 U | 0.84 U | 0.85 U |
| Cadmium | mg/Kg | 560 | 8 | 0.5 U | 0.53 U | 0.51 U | 0.51 U | 0.56 U | 0.53 U | 0.53 U | 0.53 U | 0.49 U | 0.49 U | 0.5 U |
| Calcium | mg/Kg | | | 17000 | 25000 | 29000 | 18000 | 27000 | 20000 | 29000 | 28000 | 26000 J+ | 25000 J+ | 30000 J+ |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 7.8 | 12 | 11 | 10 | 11 | 15 | 11 | 11 | 18 | 12 | 13 |
| Cobalt | mg/Kg | 337 | **9.9** | 8.2 J | 8.9 J | 9 J | 9.8 J | 9 J | 9.8 J | 9.5 J | 9.3 J | 8.4 J | 7.4 J | 9.5 J |
| Copper | mg/Kg | 42200 | **915** | 17 | 17 | 16 | 18 | 17 | 24 | 15 | 16 | 39 | 17 | 16 |
| Iron | mg/Kg | 100000 | **151** | **9300** | **15000** | **12000** | **12000** | **13000** | **13000** | **10000** | **9600** | **16000** | **14000** | **14000** |
| Lead | mg/Kg | 800 | | 7 | 10 | 8.5 | 8.6 | 8.1 | 11 | 8.1 | 7.4 | 79 | 11 J+ | 12 J+ |
| Magnesium | mg/Kg | 100000 | **19500** | 9700 | 9900 | 8800 | 5900 | 7500 | 9200 | 6300 | 5900 | 14000 J+ | 9600 J+ | 10000 J+ |
| Manganese | mg/Kg | **100000** | **26.1** | **210 J+** | **350 J+** | **320 J+** | **320 J+** | **280 J+** | **360 J+** | **220 J+** | **230 J+** | **1600 J+** | **350 J+** | **540 J+** |
| Mercury | mg/Kg | 182 | **2.09** | 0.011 J | 0.011 J | 0.011 U | 0.011 J | 0.012 J | 0.022 J | 0.012 J | 0.012 J | 0.022 J | 0.011 J | 0.011 J |
| Nickel | mg/Kg | 21800 | **140** | 16 J | 17 J | 16 J | 15 J | 16 J | 20 J | 16 J | 16 J | 21 | 16 J | 16 J |
| Niobium | mg/Kg | **114** | **25.6** | 1.9 UJ- | 2 UJ- | 2 UJ- | 2.7 J | 2.1 UJ- | 2.2 J | 2 UJ- | 2 UJ- | 3.7 J | 1.8 UJ- | 1.9 UJ- |
| Potassium | mg/Kg | | | 1700 U | 2100 J | 1700 J | 1700 U | 1900 U | 2000 J | 1800 U | 1800 U | 3300 U | 3300 U | 3400 U |
| Selenium | mg/Kg | 5680 | 6 | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.6 U | 1.5 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U | 1.4 U |
| Silver | mg/Kg | 5680 | 17 | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.3 U | 1.2 U | 1.3 U | 1.2 U | 1.2 U | 1.2 U | 1.1 U |
| Sodium | mg/Kg | | | 400 J | 960 J+ | 690 J+ | 750 J+ | 690 J+ | 940 J+ | 540 J+ | 500 J | 1000 J | 860 J | 1200 J |
| Thallium | mg/Kg | 79.5 | **8** | 0.76 U | 0.81 U | 0.78 U | 0.78 U | 0.85 U | 0.8 U | 0.81 U | 0.81 U | 0.75 U | 0.75 U | 0.76 U |
| Titanium | mg/Kg | 100000 | 2920000 | 620 | 930 | 710 | 720 | 770 | 790 | 570 | 540 | 550 | 490 | 480 |
| Uranium | mg/Kg | 3400 | 270 | 1.3 J+ | 0.95 J+ | 1.2 J+ | 1.3 J+ | 1.8 J+ | 1.3 J+ | 1.3 J+ | 1.4 J+ | 1.3 | 0.78 | 1.2 |
| Vanadium | mg/Kg | **5680** | **6000** | 22 J | 36 | 29 | 31 | 31 | 30 | 26 J | 23 J | 43 | 37 | 36 |
| Zinc | mg/Kg | 100000 | 12400 | 36 | 39 | 37 | 36 | 40 | 45 | 38 | 37 | 99 J+ | 40 J+ | 38 J+ |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | NorthStorageArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-5 | NE-B-5 | NE-B-6 | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NE-B-7 | NS-B-1 | NS-B-1 | NS-B-2 |
| | | | Sample Name | NE-B-5_SS | NE-B-5_SUB | NE-B-6 0-0.5 | NE-B-6 10.0-11.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 10.0-11.5 | NE-B-7 5.0-6.5 | NS-B-1_SS | NS-B-1_SUB | NS-B-2_SS |
| | | | Start Depth | 0 | 1 | 0 | 10 | 5 | 0 | 10 | 5 | 0 | 10 | 0 |
| | | | End Depth | 0.5 | 6 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 0.5 | 15 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/4/2013 | 12/4/2013 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/13/2013 | 11/13/2013 | 11/13/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **12000** | **12000** | **7700** | **7600** | **6700** | **9500** | **7600** | **7600** | **4600** | **7100** | **6200** |
| Antimony | mg/Kg | 454 | **6** | 3.4 UJ- | 3 UJ- | 3.1 UJ- | 2.9 UJ- | 3 UJ- | 3 UJ- | 2.9 UJ- | 3.3 UJ- | 3 UJ- | 3.1 UJ- | 3.4 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 4.7 J | 4.9 J | 5.8 | 5.9 | 5 | 4.9 | 5.4 | 5.1 J | 7.5 | 5.4 | 20 |
| Barium | mg/Kg | 100000 | **1640** | 210 J+ | 220 J+ | 130 J+ | 100 J+ | 120 J+ | 180 J+ | 170 J+ | 170 J+ | 1300 J- | 150 J- | 1200 J- |
| Beryllium | mg/Kg | 2230 | 60 | 0.85 U | 0.84 U | 0.76 U | 0.7 U | 0.73 U | 0.74 U | 0.7 U | 0.79 U | 0.8 U | 0.82 U | 0.91 U |
| Cadmium | mg/Kg | 560 | 8 | 0.5 U | 0.5 U | 0.34 U | 0.32 U | 0.33 U | 0.33 U | 0.32 U | 0.36 U | 0.47 U | 0.48 U | 0.54 U |
| Calcium | mg/Kg | | | 22000 J+ | 32000 J+ | 32000 | 32000 | 27000 | 26000 | 46000 | 31000 | 27000 | 29000 | 14000 |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 20 | 16 | 17 | 16 | 14 | 23 | 16 | 17 | 9 | 12 | **770** |
| Cobalt | mg/Kg | 337 | **9.9** | 9.2 J | 8.6 J | **11 J** | **10 J** | **11 J** | **12 J** | **11 J** | **13 J** | 8.3 J | 8.4 J | **15 J** |
| Copper | mg/Kg | 42200 | **915** | 140 | 19 | 20 J | 13 J | 16 J | 47 | 18 J | 17 J | 43 | 13 | 33 |
| Iron | mg/Kg | 100000 | **151** | **16000** | **16000** | **12000** | **11000** | **12000** | **17000** | **11000** | **12000** | **11000** | **11000** | **12000** |
| Lead | mg/Kg | 800 | | 59 | 11 J+ | 14 | 11 | 14 | 22 | 11 | 11 | 27 | 8 | 58 |
| Magnesium | mg/Kg | 100000 | **19500** | 13000 J+ | 10000 J+ | 15000 | 8600 | 9400 | 13000 | 7400 | 7300 | 7000 | 8500 | 7900 |
| Manganese | mg/Kg | **100000** | **26.1** | **1200 J+** | **440 J+** | **420** | **250** | **340** | **800** | **270** | **300** | **420** | **250** | **880** |
| Mercury | mg/Kg | 182 | **2.09** | 0.065 | 0.014 J | 0.012 J | 0.012 U | 0.018 J | 0.063 J+ | 0.011 U | 0.012 U | 0.012 J | 0.011 U | 0.27 |
| Nickel | mg/Kg | 21800 | **140** | 28 | 18 J | 18 J | 18 J | 18 J | 24 J | 20 J | 20 J | 7.8 J | 14 J | 30 |
| Niobium | mg/Kg | **114** | **25.6** | 6.4 J | 1.8 UJ- | 3 J | 1.9 UJ- | 1.9 UJ- | 3.2 J | 2 UJ- | 2.1 UJ- | 2.4 J | 1.9 U | **140** |
| Potassium | mg/Kg | | | 3400 U | 3400 U | 1600 J | 1700 J | 1600 J | 2800 J | 1300 J | 1700 J | 1600 U | 1600 U | 1800 U |
| Selenium | mg/Kg | 5680 | 6 | 1.4 U | 1.4 U | 2.1 U | 1.9 U | 2 U | 2 U | 1.9 U | 2.2 U | 1.4 U | 1.4 U | 1.7 J |
| Silver | mg/Kg | 5680 | 17 | 1.2 U | 1.1 U | 0.71 U | 0.65 U | 0.68 U | 0.69 U | 0.65 U | 0.74 U | 1.1 U | 1.1 U | 1.3 U |
| Sodium | mg/Kg | | | 1300 J | 850 J | 680 J | 920 J | 360 J | 1300 | 770 J | 730 J | 510 J+ | 760 J+ | 1200 J+ |
| Thallium | mg/Kg | 79.5 | **8** | 0.76 U | 0.76 U | 0.77 U | 0.75 U | 0.77 U | 0.68 U | 0.79 U | 0.82 U | 0.74 U | 0.76 U | 0.88 U |
| Titanium | mg/Kg | 100000 | 2920000 | 1100 | 520 | 660 | 460 | 640 | 930 | 530 | 570 | 520 | 570 | 2100 |
| Uranium | mg/Kg | 3400 | 270 | 1.1 | 1.6 | 1.7 | 1.3 | 1.2 | 0.9 | 1.8 | 1.3 | 2.2 | 1.7 | 9.3 |
| Vanadium | mg/Kg | **5680** | **6000** | 43 | 45 | 31 J | 28 J | 32 J | 45 J | 29 J | 29 J | 23 J | 27 | 1400 |
| Zinc | mg/Kg | 100000 | 12400 | 110 J+ | 48 J+ | 54 J+ | 43 J | 47 J | 76 J+ | 48 J+ | 50 J | 52 | 29 J+ | 54 J+ |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NS-B-2 | NS-B-3 | NS-B-3 | NS-B-4 | NS-B-4 | NS-B-5 | NS-SS-1 | NS-SS-2 | NS-SS-3 | NS-SS-4 | NS-SS-5 | P-B-1 |
| | | | Sample Name | NS-B-2_SUB | NS-B-3_SS | NS-B-3_SUB | NS-B-4_SS | NS-B-4_SUB | NS-B-5 | NS-SS-1_SS | NS-SS-2_SS | NS-SS-3_SS | NS-SS-4_SS | NS-SS-5_SS | P-B-1_SS |
| | | | Start Depth | 3 | 0 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 8 | 0.5 | 15 | 0.5 | 15 | 15 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/13/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 11/14/2013 | 12/13/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 |
| | | | Parent Sample | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **8500** | **8100** | **8500** | **4900** | **7900** | **8700** | **7400** | **6500** | **6500** | **7000** | **7800** | **6000** |
| Antimony | mg/Kg | 454 | **6** | 3.2 UJ- | 1.5 J | 1.3 UJ- | 1.2 J | 1.2 UJ- | 3.3 UJ- | 3.1 UJ- | 16 UJ- | **40 J** | 2.9 UJ- | 2.9 UJ- | 1.3 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 7.9 | 18 | 8.8 | 9.5 | 6.5 | 7.1 | 8.6 | 2.9 J | **200** | 5.4 | 3.1 J | 6.5 |
| Barium | mg/Kg | 100000 | **1640** | 260 J- | 580 J+ | 160 J+ | 370 J+ | 170 J+ | 160 | 400 J- | 420 J- | **6100 J-** | 350 J- | 130 J- | 540 J+ |
| Beryllium | mg/Kg | 2230 | 60 | 0.85 U | 0.83 J | 0.69 J | 0.85 J | 0.65 J | 0.87 U | 0.81 U | 4.3 U | 8 U | 0.76 U | 0.77 U | 0.72 J |
| Cadmium | mg/Kg | 560 | 8 | 0.5 U | 0.2 U | 0.21 U | 0.18 U | 0.19 U | 0.52 U | 0.48 U | 2.5 U | 4.7 U | 0.45 U | 0.46 U | 0.2 U |
| Calcium | mg/Kg | | | 27000 | 18000 | 37000 | 13000 | 40000 | 31000 J+ | 14000 J | 12000 J | 170000 J | 24000 J | 14000 J | 16000 |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 80 | 56 | 14 | 9.4 | 13 | 19 | **290** | **640** | **950** | 23 | 15 | 8.5 |
| Cobalt | mg/Kg | 337 | **9.9** | 8.2 J | **14** | 6.8 J | 6.2 J | 8.2 J | **11 J** | **11 J** | 24 U | **64 J** | **10 J** | 9.8 J | 6.6 J |
| Copper | mg/Kg | 42200 | **915** | 16 | 29 | 13 | 60 | 13 | 20 | 26 | 86 | 120 | 34 | 19 | 40 |
| Iron | mg/Kg | 100000 | **151** | **11000** | **15000** | **13000** | **13000** | **13000** | **12000** | **12000** | **10000** | **19000** | **13000** | **11000** | **13000** |
| Lead | mg/Kg | 800 | | 15 | 45 | 6.8 | 15 | 8 | 13 | 32 | 69 | 520 | 22 | 11 | 22 |
| Magnesium | mg/Kg | 100000 | **19500** | 8300 | 8400 | 9800 | 5300 | 9100 | 9100 J+ | 6800 | 4900 | **21000** | 7300 | 5500 | 6500 |
| Manganese | mg/Kg | **100000** | **26.1** | **370** | **1900** | **270** | **400** | **340** | **290** | **950** | **1000** | **33000** | **780** | **460** | **450** |
| Mercury | mg/Kg | 182 | **2.09** | 0.029 J | 0.055 | 0.012 U | 0.022 J | 0.011 U | 0.017 J | 0.058 | 0.18 | 0.7 | 0.023 J | 0.019 J | 0.012 J |
| Nickel | mg/Kg | 21800 | **140** | 16 J | 18 | 13 | 9.9 | 13 | 19 J | 23 | 77 J | 63 J | 17 J | 16 J | 10 |
| Niobium | mg/Kg | **114** | **25.6** | 15 | 3.8 J | 2 UJ | 1.7 UJ | 1.8 UJ | 2 R | 21 J | **280 J-** | **38 J-** | 13 J- | 3.7 J | 1.9 UJ |
| Potassium | mg/Kg | | | 1700 J | 2300 J+ | 1600 J+ | 1200 J+ | 1500 J+ | 1700 J | 1700 J | 8500 UJ- | 16000 UJ- | 1800 J | 2000 J | 2000 J+ |
| Selenium | mg/Kg | 5680 | 6 | 1.5 U | 1.3 J | 0.61 UJ- | 0.53 J | 0.56 UJ- | 1.5 U | 1.4 U | 7.3 U | 14 U | 1.3 U | 1.3 U | 0.58 UJ- |
| Silver | mg/Kg | 5680 | 17 | 1.2 U | 0.47 U | 0.49 U | 0.42 U | 0.45 U | 1.2 U | 1.1 U | 14 J | 11 U | 1 U | 1.1 U | 0.47 U |
| Sodium | mg/Kg | | | 1200 J+ | 260 | 1100 | 310 | 770 | 3100 J+ | 430 J | 3000 J+ | 2300 J | 430 J | 440 J | 320 |
| Thallium | mg/Kg | 79.5 | **8** | 0.72 U | 1 J | 0.8 U | 0.68 U | 0.73 U | 0.78 U | 0.73 U | 0.76 U | **42** | 0.68 U | 0.7 U | 0.76 U |
| Titanium | mg/Kg | 100000 | 2920000 | 810 | 780 | 600 | 370 | 510 | 620 | 1000 | 5400 | 3800 | 720 | 650 | 480 |
| Uranium | mg/Kg | 3400 | 270 | 2.5 | 1.8 | 2.2 | 2.3 | 1.9 | 2.3 | 4.3 | 26 | 4.5 | 1.3 | 1 | 1.5 |
| Vanadium | mg/Kg | **5680** | **6000** | 170 | 52 | 36 | 27 | 35 | 30 | 500 J- | 1100 J- | 600 J- | 54 J- | 37 J- | 28 |
| Zinc | mg/Kg | 100000 | 12400 | 33 J+ | 50 | 30 | 30 | 29 | 45 J+ | 45 | 50 U | 700 | 52 | 38 | 42 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-1 | P-B-10 | P-B-10 | P-B-11 | P-B-11 | P-B-12 | P-B-12 | P-B-2 | P-B-2 | P-B-3 | P-B-3 | P-B-4 | P-B-4 | P-B-5 | P-B-5 | P-B-6 | P-B-6 |
| | | | Sample Name | P-B-1_SUB | P-B-10_SS | P-B-10_SUB | P-B-11_SS | P-B-11_SUB | P-B-12_DEEP | P-B-12_SHALLOW | P-B-2_SS | P-B-2_SUB | P-B-3_SS | P-B-3_SUB | P-B-4_SS | P-B-4_SUB | P-B-5_SS | P-B-5_SUB | P-B-6_SS | P-B-6_SUB |
| | | | Start Depth | 10 | 0 | 2 | 0 | 5 | 0 | 18 | 0 | 7 | 0 | 4 | 0 | 10 | 0 | 10 | 0 | 3.5 |
| | | | End Depth | 15 | 0.5 | 5 | 0.5 | 6 | 0.5 | 23 | 0.5 | 12 | 0.5 | 9 | 0.5 | 15 | 0.5 | 15 | 0.5 | 8.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 12/11/2013 | 12/11/2013 | 12/11/2013 | 12/11/2013 | 12/5/2013 | 12/5/2013 | 11/18/2013 | 11/18/2013 | 11/18/2013 | 11/18/2013 | 12/3/2013 | 12/3/2013 | 12/2/2013 | 12/2/2013 | 11/15/2013 | 11/15/2013 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **7400** | **6400** | **17000** | **8900** | **24000** | **11000** | **11000** | **4000** | **2900** | **7200** | **4600** | **13000** | **11000** | **11000** | **9700** | **9000** | **7000** |
| Antimony | mg/Kg | 454 | **6** | 1.3 UJ- | 3.4 UJ- | 3.3 UJ- | 3.2 UJ- | 3.3 UJ- | 3.1 UJ- | 3 UJ- | 1.3 UJ- | 1.2 UJ- | 1.8 J | 1.2 UJ- | 3.4 UJ- | 2.9 UJ- | 3.2 UJ- | 3.1 UJ- | 1.2 UJ- | 1.2 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 6.5 | 6.4 | 5.5 | 5.7 | 5.3 | 6.3 | 14 | 7.2 | 5.1 | 6.8 | 4.4 J | 5.6 | 4.2 J | 4.2 J | 4.1 J | 3.4 J | 6.9 |
| Barium | mg/Kg | 100000 | **1640** | 140 J+ | 160 | 190 | 160 | 170 | 200 J- | 310 J- | 220 J | 280 J | 310 J | 180 J | 260 J+ | 240 J+ | 180 J+ | 150 J+ | 180 J | 160 J |
| Beryllium | mg/Kg | 2230 | 60 | 0.63 J | 0.89 UJ- | 0.87 UJ- | 0.84 UJ- | 1.9 J | 0.82 U | 0.79 U | 0.57 J | 0.69 J | 0.7 J | 0.58 J | 0.9 U | 0.77 U | 0.85 U | 0.82 U | 0.54 J | 1.6 U |
| Cadmium | mg/Kg | 560 | 8 | 0.2 U | 0.53 U | 0.52 U | 0.5 U | 0.51 U | 0.49 U | 0.47 U | 0.2 U | 0.18 J | 0.2 U | 0.18 U | 0.53 U | 0.46 U | 0.5 U | 0.49 U | 0.19 U | 0.19 U |
| Calcium | mg/Kg | | | 21000 | 26000 J+ | 4700 J+ | 17000 J+ | 4400 J+ | 41000 | 20000 | 20000 | 9200 | 22000 | 20000 | 28000 J | 26000 J+ | 30000 J | 26000 J | 16000 | 15000 |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 11 | 210 | **1600** | 76 | 170 | 19 | 230 | 19 | 11 | 19 | 10 | 56 | 11 | 14 | 11 | 9.2 | 10 |
| Cobalt | mg/Kg | 337 | **9.9** | 7.4 J | 8 J | **12 J** | **13 J** | **27** | 8 J | 8.8 J | **11** | 8.6 J | 9.8 J | 8 J | **11 J** | 7.6 J | 8.6 J | 8.3 J | **11** | 9 J |
| Copper | mg/Kg | 42200 | **915** | 15 | 34 | 130 | **1000** | 89 | 16 | 55 | 25 J+ | 19 J+ | 56 | 22 J+ | 25 | 27 | 19 | 16 | 21 J+ | 52 |
| Iron | mg/Kg | 100000 | **151** | **13000** | **11000** | **17000** | **12000** | **14000** | **14000** | **14000** | **13000 J-** | **13000 J-** | **17000 J-** | **13000 J-** | **18000** | **16000** | **17000** | **16000** | **13000 J-** | **12000 J-** |
| Lead | mg/Kg | 800 | | 7 | 30 | 45 | 21 | 7.9 J+ | 9.1 | 110 | 29 | 41 | 27 | 11 | 21 | 17 | 10 | 16 | 11 | 35 |
| Magnesium | mg/Kg | 100000 | **19500** | 8500 | 6200 J | 6900 J | 6400 J | 7600 J | 9800 | 10000 | 14000 J- | 9500 J- | 12000 J- | 7600 J- | 12000 J+ | 9800 J+ | 11000 J+ | 9200 J+ | 8600 J- | 7900 J- |
| Manganese | mg/Kg | **100000** | **26.1** | **280** | **770 J-** | **120 J-** | **1300 J-** | **170 J-** | **500** | **2300** | **1300 J** | **1700 J** | **730 J** | **460 J** | **1200** | **600** | **470** | **420** | **580 J** | **1300 J** |
| Mercury | mg/Kg | 182 | **2.09** | 0.019 J | **6** | 0.015 J | 0.052 | 0.012 J | 0.011 U | 0.06 | 0.032 J | 0.025 J | 0.019 J | 0.011 J | 0.023 J | 0.017 J | 0.014 J | 0.011 U | 0.014 J | 0.056 |
| Nickel | mg/Kg | 21800 | **140** | 13 | 28 | **200** | 24 | **320** | 28 | 29 | 16 | 14 | 16 | 14 | 23 | 15 J | 18 J | 17 J | 16 | 20 |
| Niobium | mg/Kg | **114** | **25.6** | 1.9 UJ | **83 J-** | **66 J-** | **41 J-** | 2 UJ- | 2.8 J | **37 J-** | 3.8 J | 1.7 R | 2.6 J | 1.7 R | 15 J | 1.7 UJ- | 1.9 UJ- | 1.9 UJ- | 2.2 J | 4.7 J |
| Potassium | mg/Kg | | | 1200 J+ | 3500 U | 3500 U | 3400 U | 3500 U | 2300 J | 3100 | 3400 U | 1500 U | 3400 U | 3100 U | 3600 U | 3100 U | 2200 J | 2400 J | 3300 U | 3200 U |
| Selenium | mg/Kg | 5680 | 6 | 0.59 UJ- | 1.5 UJ- | 1.5 UJ- | 1.4 UJ- | 1.5 UJ- | 1.4 U | 1.3 U | 0.59 J | 1.1 J | 1 J | 0.53 U | 1.5 UJ- | 1.3 U | 1.4 UJ- | 1.4 UJ- | 0.56 U | 0.55 U |
| Silver | mg/Kg | 5680 | 17 | 0.47 U | 1.6 J | 1.2 U | 1.2 U | 1.2 U | 1.1 U | 1.2 J | 0.47 U | 0.42 U | 0.47 U | 0.43 U | 1.2 U | 1.1 U | 1.2 U | 1.1 U | 0.45 U | 0.45 U |
| Sodium | mg/Kg | | | 690 | 940 J | 490 J | 470 U | 480 U | 820 J | 1100 J+ | 690 J | 280 J | 970 J | 430 U | 1300 J+ | 790 J | 1100 J+ | 1100 J+ | 650 J | 3200 |
| Thallium | mg/Kg | 79.5 | **8** | 0.77 U | 0.8 U | 0.79 U | 0.76 U | 0.78 U | 0.74 U | 0.71 U | 0.77 U | 0.69 U | 0.76 U | 0.69 U | 0.81 U | 0.69 U | 0.76 U | 0.74 U | 0.73 U | 0.9 J |
| Titanium | mg/Kg | 100000 | 2920000 | 490 | 1700 | 1600 | 1100 | 540 | 740 | 1500 | 870 J- | 1000 J- | 840 J- | 530 J- | 2300 | 1100 | 980 | 840 | 560 J- | 2600 J- |
| Uranium | mg/Kg | 3400 | 270 | 2.2 | 9.3 | 32 | 3.8 | 16 | 1.6 | 6.3 | 1.6 | 0.95 | 1.4 | 0.93 | 3.3 | 0.85 | 1.1 | 0.79 | 1 | 1.1 |
| Vanadium | mg/Kg | **5680** | **6000** | 33 | 460 J- | 4200 J- | 150 J- | 3300 J- | 89 | 520 | 51 | 41 | 47 | 32 | 170 | 42 | 44 | 39 | 33 | 33 |
| Zinc | mg/Kg | 100000 | 12400 | 29 | 43 J+ | 86 J+ | 51 J+ | 130 J+ | 36 | 120 | 62 | 78 | 130 | 39 | 52 J+ | 49 J+ | 44 J+ | 41 J+ | 37 | 72 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-7 | P-B-7 | P-B-7 | PA-SS-1 | PA-SS-2 | PA-SS-2 | PA-SS-3 | PA-SS-4 | PA-SS-5 | PA-SS-6 | PA-SS-7 | PA-SS-8 | PP-B-1 | PP-B-1 |
| | | | Sample Name | P-B-7_SS | P-B-7_SS DUP | P-B-7_SUB | PA-SS-1_SS | PA-SS-2_SS | PA-SS-2_SS DUP | PA-SS-3_SS | PA-SS-4_SS | PA-SS-5_SS | PA-SS-6_SS | PA-SS-7_SS | PA-SS-8_SS | PP-B-1 0-4 | PP-B-1 11-13 |
| | | | Start Depth | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| | | | End Depth | 0.5 | 0.5 | 14 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 4 | 13 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/2/2013 | 12/2/2013 | 12/2/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/12/2013 | 12/12/2013 |
| | | | Parent Sample | | P-B-7_SS_12/02/13 | | | | PA-SS-2_SS_12/13/13 | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **10000** | **11000** | **11000** | **8100** | **5600** | **6700** | **5200** | **7000** | **6300** | **5300** | 1100 | **8100** | **6400** | **9200** |
| Antimony | mg/Kg | 454 | **6** | 3.1 R | 3.3 UJ- | 3 UJ- | 3 UJ- | 3.4 UJ- | 3.3 UJ- | 3.3 UJ- | 3.3 UJ- | 3.3 UJ- | 3.2 UJ- | 3.1 UJ- | 3.1 UJ- | 3.3 UJ- | 3.4 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 4 J | 4 J | 3.9 J | 4.8 | 4.4 J | 4.4 J | 4.4 J | 5.4 | 8.6 | 6.1 | 6.1 | 7.3 | 3.3 J | 5.9 |
| Barium | mg/Kg | 100000 | **1640** | 220 J+ | 300 J+ | 180 J+ | 310 | 130 | 110 | 120 | 120 | 300 | 110 | 35 | 240 | 97 J+ | 200 |
| Beryllium | mg/Kg | 2230 | 60 | 0.83 U | 0.88 U | 0.79 U | 0.79 U | 0.89 U | 0.88 U | 0.87 U | 0.87 U | 0.86 U | 0.84 U | 0.83 U | 0.83 U | 0.86 UJ- | 0.9 UJ- |
| Cadmium | mg/Kg | 560 | 8 | 0.49 U | 0.52 U | 0.47 U | 0.47 U | 0.63 J | 0.52 U | 0.52 U | 0.51 U | 3.2 | 0.5 U | 0.49 U | 0.49 U | 0.51 U | 0.54 U |
| Calcium | mg/Kg | | | 29000 J | 30000 J | 22000 J | 40000 J+ | 49000 J+ | 58000 J+ | 74000 J+ | 82000 J+ | 38000 J+ | 93000 J+ | 250000 J+ | 110000 J+ | 22000 J+ | 21000 J+ |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 14 | 21 | 12 | 28 | 15 | 14 | 100 | 15 | 29 | 15 | 6.2 | 14 | 7 J+ | 13 J+ |
| Cobalt | mg/Kg | 337 | **9.9** | **11 J** | **10 J** | 7.6 J | **11 J** | 8.9 J | 8.8 J | 9.7 J | 8.8 J | 9.4 J | 7 J | 4.6 U | 5.5 J | 6.3 J | 7.6 J |
| Copper | mg/Kg | 42200 | **915** | 21 | 19 | 17 | 270 | 61 J | 31 J | 70 | 21 | 51 | 20 | 3.6 U | 21 | 12 J | 14 |
| Iron | mg/Kg | 100000 | **151** | **18000** | **17000** | **16000** | **12000** | **9100** | **10000** | **19000** | **10000** | **9800** | **9100** | **1800** | **11000** | **7800** | **13000** |
| Lead | mg/Kg | 800 | | 18 | 18 | 8.9 | 74 | 22 | 28 | 82 | 13 | 120 | 31 | 3.4 J | 13 | 7.6 J+ | 8.7 J+ |
| Magnesium | mg/Kg | 100000 | **19500** | 11000 J+ | 11000 J+ | 9500 J+ | 18000 J+ | 11000 J+ | 16000 J+ | 19000 J+ | **31000 J+** | 6900 J+ | **29000 J+** | **64000 J+** | 18000 J+ | 6400 J | 8000 J |
| Manganese | mg/Kg | **100000** | **26.1** | **890** | **890** | **380** | **520** | **770 J** | **390 J** | **630** | **260** | **930** | **590** | **77** | **440** | **330 J-** | **290 J-** |
| Mercury | mg/Kg | 182 | **2.09** | 0.016 J | 0.021 J | 0.011 J | 0.042 | 0.032 J | 0.083 | 0.25 | 0.015 J | 0.073 | 0.046 | 0.025 J | 0.015 J | 0.02 J | 0.026 J |
| Nickel | mg/Kg | 21800 | **140** | 18 J | 31 | 16 J | 33 | 20 J | 18 J | 42 | 18 J | 69 | 21 | 6.2 J | 14 J | 13 J | 15 J |
| Niobium | mg/Kg | **114** | **25.6** | 4 J | 3 J | 1.8 UJ- | 4 J | 9.7 J | 4.7 J | **72 J-** | 2 R | 2.4 J | 3.5 J | 1.9 R | 4.7 J | 2.9 J | 2 UJ- |
| Potassium | mg/Kg | | | 2200 J | 2200 J | 2300 J | 2600 J+ | 1800 U | 1900 J | 1700 U | 1700 J | 2100 J | 1700 U | 1700 U | 1800 J | 3400 U | 3600 U |
| Selenium | mg/Kg | 5680 | 6 | 1.4 UJ- | 1.5 UJ- | 1.3 UJ- | 1.4 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.4 U | 1.4 U | 1.4 U | 1.5 UJ- | 1.5 UJ- |
| Silver | mg/Kg | 5680 | 17 | 1.1 U | 1.2 U | 1.1 U | 1.1 U | 1.2 U | 1.2 U | 1.5 J | 1.2 U | 1.2 U | 1.2 U | 1.1 U | 1.1 U | 1.2 U | 1.3 U |
| Sodium | mg/Kg | | | 2000 J+ | 2200 J+ | 890 J+ | 3200 J+ | 990 J+ | 1500 J | 1200 J | 980 J | 3600 J+ | 890 J+ | 2300 U | 1100 J+ | 730 J | 690 J |
| Thallium | mg/Kg | 79.5 | **8** | 0.75 U | 0.79 U | 0.71 U | 0.71 U | 0.8 U | 0.79 U | 0.79 U | 0.78 U | 0.78 U | 0.75 U | 0.74 U | 0.75 U | 0.78 U | 0.81 U |
| Titanium | mg/Kg | 100000 | 2920000 | 2000 | 2000 | 880 | 600 | 530 | 620 | 1900 | 560 | 620 | 560 | 41 | 510 | 440 | 630 |
| Uranium | mg/Kg | 3400 | 270 | 1.1 | 1.1 | 0.86 | 1.6 | 0.97 | 1.2 | 4.5 | 1.2 | 1.3 | 1.2 | 0.88 | 1.3 | 0.62 | 1.6 |
| Vanadium | mg/Kg | **5680** | **6000** | 52 | 52 | 41 | 29 | 36 | 46 | 190 | 28 | 23 J | 30 | 12 J | 31 | 23 J | 35 J- |
| Zinc | mg/Kg | 100000 | 12400 | 45 J+ | 43 J+ | 37 J+ | 92 J+ | 64 J+ | 77 J+ | 110 J+ | 43 J+ | 150 J+ | 82 J+ | 13 J | 53 J+ | 28 J+ | 33 J+ |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PP-B-2 | PP-B-2 | PP-B-3 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | PP-B-4 | LS-B-1 | PP-B-1 | PP-B-1 |
| | | | Sample Name | PP-B-2 0-4 | PP-B-2 7-15 | PP-B-3 0-0.5 | PP-B-3 10.0-11.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 10.0-11.5 | PP-B-4 5.0-6.5 | LS-B-1 | PP-B-1 0-4 | PP-B-1 11-13 |
| | | | Start Depth | 0 | 7 | 0 | 10 | 5 | 0 | 10 | 5 | 0 | 0 | 11 |
| | | | End Depth | 4 | 15 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 15 | 4 | 13 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/12/2013 | 12/12/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 12/13/2013 | 12/12/2013 | 12/12/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **10000** | **9900** | **4600** | **6600** | **6000** | **6100** | **7300** | **4900** | **7800** | **6400** | **9200** |
| Antimony | mg/Kg | 454 | **6** | 3.2 UJ- | 3.3 UJ- | 2.8 UJ- | 3.2 UJ- | 3.2 UJ- | 2.7 UJ- | 2.9 UJ- | 2.9 UJ- | 3.3 UJ- | 3.3 UJ- | 3.4 UJ- |
| Arsenic | mg/Kg | 283 | **20** | 4.6 J | 5.4 | 8.4 | 4.9 J | 4.5 J | 5.4 | 7.1 | 4.5 | 7.7 | 3.3 J | 5.9 |
| Barium | mg/Kg | 100000 | **1640** | 180 | 170 | 93 | 140 | 140 | 130 | 170 | 89 | 530 | 97 J+ | 200 |
| Beryllium | mg/Kg | 2230 | 60 | 0.85 UJ- | 0.87 UJ- | 0.68 U | 0.77 U | 0.77 U | 0.66 U | 0.7 U | 0.7 U | 0.87 U | 0.86 UJ- | 0.9 UJ- |
| Cadmium | mg/Kg | 560 | 8 | 0.5 U | 0.52 U | 0.31 U | 0.35 U | 0.35 U | 0.3 U | 0.32 U | 0.32 U | 0.52 U | 0.51 U | 0.54 U |
| Calcium | mg/Kg | | | 24000 J+ | 29000 J+ | 130000 | 24000 | 38000 | 37000 | 51000 | 24000 | 38000 J+ | 22000 J+ | 21000 J+ |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 12 J+ | 12 J+ | 12 | 13 | 11 | 14 | 15 | 11 | 17 | 7 J+ | 13 J+ |
| Cobalt | mg/Kg | 337 | **9.9** | **10 J** | 7.2 J | 6.4 J | 9.7 J | 9.3 J | **10 J** | **10 J** | **12 J** | 9.7 J | 6.3 J | 7.6 J |
| Copper | mg/Kg | 42200 | **915** | 58 | 15 | 14 J | 14 J | 14 J | 19 J | 14 J | 20 J | 30 | 12 J | 14 |
| Iron | mg/Kg | 100000 | **151** | **16000** | **13000** | **7200** | **11000** | **11000** | **10000** | **11000** | **11000** | **12000** | **7800** | **13000** |
| Lead | mg/Kg | 800 | | 12 J+ | 9 J+ | 8.5 J | 9.4 J | 9.5 J | 14 | 10 | 11 | 17 | 7.6 J+ | 8.7 J+ |
| Magnesium | mg/Kg | 100000 | **19500** | 12000 J | 9900 J | 14000 | 7200 | 7100 | 7200 | 7900 | 5700 | 7600 J+ | 6400 J | 8000 J |
| Manganese | mg/Kg | **100000** | **26.1** | **500 J-** | **310 J-** | **240** | **320** | **300** | **410** | **330** | **290** | **330** | **330 J-** | **290 J-** |
| Mercury | mg/Kg | 182 | **2.09** | 0.021 J | 0.02 J | 0.011 U | 0.016 J | 0.034 J+ | 0.014 J | 0.014 J | 0.014 J | 0.015 J | 0.02 J | 0.026 J |
| Nickel | mg/Kg | 21800 | **140** | 19 J | 15 J | 13 J | 16 J | 17 J | 20 J | 18 J | 22 J | 18 J | 13 J | 15 J |
| Niobium | mg/Kg | **114** | **25.6** | 1.9 J | 2 UJ- | 1.8 UJ- | 1.9 UJ- | 2 J | 2.1 J | 1.7 UJ- | 1.7 UJ- | 2 R | 2.9 J | 2 UJ- |
| Potassium | mg/Kg | | | 3400 U | 3500 U | 990 J | 1100 J | 1500 J | 1600 J | 1200 J | 1100 J | 1700 U | 3400 U | 3600 U |
| Selenium | mg/Kg | 5680 | 6 | 1.5 UJ- | 1.5 UJ- | 1.9 U | 2.1 U | 2.1 U | 1.8 U | 1.9 U | 1.9 U | 1.5 U | 1.5 UJ- | 1.5 UJ- |
| Silver | mg/Kg | 5680 | 17 | 1.2 U | 1.2 U | 0.63 U | 0.72 U | 0.72 U | 0.62 U | 0.66 U | 0.65 U | 1.2 U | 1.2 U | 1.3 U |
| Sodium | mg/Kg | | | 2600 J+ | 2400 J+ | 2000 | 610 J | 620 J | 1400 | 610 J | 360 J | 930 J+ | 730 J | 690 J |
| Thallium | mg/Kg | 79.5 | **8** | 0.77 U | 0.78 U | 0.71 U | 0.76 U | 0.76 U | 0.73 U | 0.7 U | 0.67 U | 0.79 U | 0.78 U | 0.81 U |
| Titanium | mg/Kg | 100000 | 2920000 | 630 | 660 | 260 | 410 | 370 | 440 | 400 | 350 | 570 | 440 | 630 |
| Uranium | mg/Kg | 3400 | 270 | 1.1 | 1.3 | 1.4 | 1.1 | 0.93 | 1.2 | 1.7 | 1 | 2.3 | 0.62 | 1.6 |
| Vanadium | mg/Kg | **5680** | **6000** | 38 J- | 35 J- | 23 J | 28 J | 22 J | 24 J | 28 J | 21 J | 30 | 23 J | 35 J- |
| Zinc | mg/Kg | 100000 | 12400 | 40 J+ | 35 J+ | 33 J | 39 J | 36 J | 68 J+ | 41 J | 45 J | 48 J+ | 28 J+ | 33 J+ |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | SpentCausticLagoon | SpentCausticLagoon | SpentCausticLagoon | SW1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PP-B-2 | PP-B-2 | SW-B-1 | SW-B-2 | SW-B-3 | SW-B-4 | TR-B-1 | TR-B-2 | SC-SS-1 | SC-SS-1 | SC-SS-2 | SW-B-1Comp |
| | | | Sample Name | PP-B-2 0-4 | PP-B-2 7-15 | SW-B-1 | SW-B-2 | SW-B-3 | SW-B-4 | TR-B-1 | TR-B-2 | SC-SS-1_DUP | SC-SS-1_SS | SC-SS-2_SS | SW-1 1E |
| | | | Start Depth | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 4 | 15 | 30 | 29 | 30 | 30 | 30 | 30 | 0.5 | 0.5 | 0.5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/12/2013 | 12/12/2013 | 12/16/2013 | 12/16/2013 | 12/17/2013 | 12/17/2013 | 12/13/2013 | 12/16/2013 | 12/6/2013 | 12/6/2013 | 12/6/2013 | 8/15/2013 |
| | | | Parent Sample | | | | | | | | | SC-SS-1_SS_12/06/13 | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **10000** | **9900** | **12000** | **12000** | **13000** | **12000** | **8200** | **11000** | **12000** | **12000** | **8600** | **6200 J+** |
| Antimony | mg/Kg | 454 | **6** | 3.2 UJ- | 3.3 UJ- | 3.2 UJ- | 3.2 UJ- | 3.1 UJ- | 3.3 UJ- | 2.9 UJ- | 3.4 UJ- | 3.3 UJ- | 3 UJ- | 3.6 UJ- | **10 J+** |
| Arsenic | mg/Kg | 283 | **20** | 4.6 J | 5.4 | 6.8 | 5.4 | 4.4 J | 6.7 | 9.4 | 7.3 | 4.7 J | 4.7 J | 4.1 J | 3.6 J- |
| Barium | mg/Kg | 100000 | **1640** | 180 | 170 | 250 | 230 | 210 | 210 | 150 | 220 | 200 J- | 230 J- | 270 J- | 70 |
| Beryllium | mg/Kg | 2230 | 60 | 0.85 UJ- | 0.87 UJ- | 0.84 U | 0.83 U | 0.82 U | 0.86 U | 0.76 U | 0.89 U | 0.86 U | 0.8 U | 1.9 U | 44 U |
| Cadmium | mg/Kg | 560 | 8 | 0.5 U | 0.52 U | 0.49 U | 0.49 U | 0.49 U | 0.51 U | 0.45 U | 0.53 U | 0.51 U | 0.48 U | 0.56 J | 0.53 J |
| Calcium | mg/Kg | | | 24000 J+ | 29000 J+ | 24000 J | 21000 J | 23000 J | 27000 J | 25000 J+ | 25000 J | 25000 | 33000 | 30000 | 120000 |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | 12 J+ | 12 J+ | 20 | 14 | 18 | 13 | 20 | 11 | 24 | 33 | 42 | **1600** |
| Cobalt | mg/Kg | 337 | **9.9** | **10 J** | 7.2 J | **10 J** | 9.1 J | 9.8 J | 9.6 J | **12 J** | 9.7 J | **11 J** | **12 J** | **23 J** | 7.3 J |
| Copper | mg/Kg | 42200 | **915** | 58 | 15 | 19 | 21 | 26 | 18 | 23 | 18 | 26 | 27 | 74 | 45 |
| Iron | mg/Kg | 100000 | **151** | **16000** | **13000** | **15000** | **16000** | **18000** | **17000** | **11000** | **16000** | **16000** | **18000** | **13000** | **13000** |
| Lead | mg/Kg | 800 | | 12 J+ | 9 J+ | 11 J+ | 10 J+ | 11 J+ | 10 J+ | 12 | 11 J+ | 18 | 27 | 38 | 27 U |
| Magnesium | mg/Kg | 100000 | **19500** | 12000 J | 9900 J | 9100 | 8900 | 11000 | 10000 | 8100 J+ | 12000 | 11000 | 11000 | 11000 | **69000 J** |
| Manganese | mg/Kg | **100000** | **26.1** | **500 J-** | **310 J-** | **500** | **430** | **520** | **410** | **260** | **520** | **1200** | **1400** | **3100** | **380 J-** |
| Mercury | mg/Kg | 182 | **2.09** | 0.021 J | 0.02 J | 0.015 J | 0.015 J | 0.021 J | 0.016 J | 0.011 J | 0.015 J | 0.027 J | 0.015 J | 0.026 J | 0.083 |
| Nickel | mg/Kg | 21800 | **140** | 19 J | 15 J | 20 | 18 J | 19 | 17 J | 22 | 16 J | 18 J | 19 | 40 | **230 J-** |
| Niobium | mg/Kg | **114** | **25.6** | 1.9 J | 2 UJ- | 2.3 J | 1.9 UJ | 6.4 J | 1.9 UJ | 1.7 R | 2 UJ | 8.2 J | 7.8 J | **37 J-** | -- |
| Potassium | mg/Kg | | | 3400 U | 3500 U | 1800 J | 1800 J | 2200 J | 1800 J | 1700 J | 2100 J | 1900 J | 2100 J | 1900 U | 1300 J+ |
| Selenium | mg/Kg | 5680 | 6 | 1.5 UJ- | 1.5 UJ- | 1.4 U | 1.4 U | 1.4 U | 1.5 U | 1.3 U | 1.5 U | 1.5 U | 1.4 U | 1.6 U | 0.89 UJ- |
| Silver | mg/Kg | 5680 | 17 | 1.2 U | 1.2 U | 1.2 U | 1.2 U | 1.1 U | 1.2 U | 1.1 U | 1.2 U | 1.2 U | 1.1 U | 1.3 U | 89 U |
| Sodium | mg/Kg | | | 2600 J+ | 2400 J+ | 1000 J+ | 840 J+ | 670 J+ | 810 J+ | 980 J+ | 830 J+ | 27000 J+ | 29000 J+ | 23000 J+ | 14000 J+ |
| Thallium | mg/Kg | 79.5 | **8** | 0.77 U | 0.78 U | 0.75 U | 0.75 U | 0.74 U | 0.77 U | 0.69 U | 0.8 U | 0.77 U | 0.72 U | 0.85 U | 89 U |
| Titanium | mg/Kg | 100000 | 2920000 | 630 | 660 | 870 | 830 | 1100 | 910 | 580 | 860 | 1100 | 1200 | 6900 | -- |
| Uranium | mg/Kg | 3400 | 270 | 1.1 | 1.3 | 2.1 | 1.6 | 1.3 | 1.5 | 2.3 | 2 | 1.9 | 1.7 | 1.5 | -- |
| Vanadium | mg/Kg | **5680** | **6000** | 38 J- | 35 J- | 68 | 48 | 52 | 44 | 35 | 42 | 71 | 83 | 110 | 5100 |
| Zinc | mg/Kg | 100000 | 12400 | 40 J+ | 35 J+ | 38 J+ | 39 J+ | 48 J+ | 42 J+ | 47 J+ | 37 J+ | 100 | 98 | 430 | 32 J- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-5. Soil Summary - Metals**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | NW-11 | NW-24 | NW-24 | NW-8 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | SW-1 Dup. | SW-1 2E | SW-1 3E | NW-11 | Duplicate Beta Ditch | NW-24 | NW-8 | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 0 | 0 | 0 | 2 | 2 | 2 | 5 | 0 | 0 | 0 | 0 |
| | | | End Depth | 5 | 5 | 5 | 2 | 2 | 2 | 5 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/15/2013 | 8/15/2013 | 8/15/2013 | 9/4/2013 | 8/23/2013 | 8/23/2013 | 8/23/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | SW-1 1E_08/15/13 | | | | NW-24_08/23/13 | | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Aluminum | mg/Kg | 100000 | **1500** | **5500 J+** | **7700 J+** | **5900 J+** | -- | -- | -- | -- | -- | -- | -- | -- |
| Antimony | mg/Kg | 454 | **6** | 170 U | **27 J** | 160 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Arsenic | mg/Kg | 283 | **20** | 2.5 J | 4.3 J- | 3.8 J- | -- | -- | -- | -- | -- | -- | -- | -- |
| Barium | mg/Kg | 100000 | **1640** | 75 | 96 | 190 | -- | -- | -- | -- | -- | -- | -- | -- |
| Beryllium | mg/Kg | 2230 | 60 | 44 U | 39 U | 41 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Cadmium | mg/Kg | 560 | 8 | 0.59 J | 0.56 J | 0.75 J | -- | -- | -- | -- | -- | -- | -- | -- |
| Calcium | mg/Kg | | | 96000 | 140000 | 81000 | -- | -- | -- | -- | -- | -- | -- | -- |
| Chromium (Cr III assumed) | mg/Kg | **100000** | | **2400** | **2700** | **3400** | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt | mg/Kg | 337 | **9.9** | **14 J** | **24 J** | **27 J** | -- | -- | -- | -- | -- | -- | -- | -- |
| Copper | mg/Kg | 42200 | **915** | 51 | 39 | 88 | -- | -- | -- | -- | -- | -- | -- | -- |
| Iron | mg/Kg | 100000 | **151** | **18000** | **20000** | **27000** | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead | mg/Kg | 800 | | 26 U | 23 U | 25 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Magnesium | mg/Kg | 100000 | **19500** | **59000 J** | 17000 J | **42000 J** | -- | -- | -- | -- | -- | -- | -- | -- |
| Manganese | mg/Kg | **100000** | **26.1** | **420 J-** | **1300 J-** | **1500 J-** | -- | -- | -- | -- | -- | -- | -- | -- |
| Mercury | mg/Kg | 182 | **2.09** | 0.069 | 0.093 | 0.084 | -- | -- | -- | -- | -- | -- | -- | -- |
| Nickel | mg/Kg | 21800 | **140** | **210 J-** | **320 J-** | **290 J-** | -- | -- | -- | -- | -- | -- | -- | -- |
| Niobium | mg/Kg | **114** | **25.6** | -- | -- | -- | **34 J** | 12 | 14 | 2 | 16 J- | 1.9 UJ- | 1.8 UJ- | 1.9 UJ- |
| Potassium | mg/Kg | | | 1400 J+ | 1100 J+ | 1300 J+ | -- | -- | -- | -- | -- | -- | -- | -- |
| Selenium | mg/Kg | 5680 | 6 | 0.87 UJ- | 0.78 UJ- | 0.6 J | -- | -- | -- | -- | -- | -- | -- | -- |
| Silver | mg/Kg | 5680 | 17 | 87 U | 78 U | 82 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Sodium | mg/Kg | | | 14000 J+ | 13000 J+ | 18000 J+ | -- | -- | -- | -- | -- | -- | -- | -- |
| Thallium | mg/Kg | 79.5 | **8** | 87 U | 78 U | 82 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Titanium | mg/Kg | 100000 | 2920000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium | mg/Kg | 3400 | 270 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vanadium | mg/Kg | **5680** | **6000** | **7700** | **7100** | **8700** | -- | -- | -- | -- | -- | -- | -- | -- |
| Zinc | mg/Kg | 100000 | 12400 | 31 J- | 56 J- | 60 J- | -- | -- | -- | -- | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifi
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-1 | DD-B-4 | DD-B-4 | DD-B-8 | DD-B-8 | DD-B-9 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-1_SUB | DD-B-4_SS | DD-B-4_SUB | DD-B-8_SS | DD-B-8_SUB | DD-B-9_SS |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 5.5 | 0 | 10 | 0 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 15 | 0.5 | 10.5 | 0.5 | 15 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 11/14/2013 | 12/2/2013 | 12/2/2013 | 12/4/2013 | 12/4/2013 | 12/3/2013 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | BY-SS-3_SS_11/20/13 | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | 1.77 | 1.5 | 2.29 | 1.84 | 2.16 | 1.65 | 1.78 | 1.83 | 1.75 | 2.1 | 1.68 | 2.08 | 1.96 | 2.05 |
| Bismuth-210M | pCi/g | | | 0.0253 U | 0.0102 U | -0.0351 U | -0.0136 U | -0.0594 U | 0.0403 U | 0.0126 U | -0.0502 U | -0.0166 U | 0.0433 U | 0.00754 U | 0.0195 U | 0.0568 U | -0.0218 U |
| Bismuth-212 | pCi/g | | | 1.54 | 1.8 | 2.65 | 2.36 | 2.94 | 2.17 | 1.79 | 2.3 | 1.34 | 4.12 | 2.98 | 2.63 | 1.88 | 1.17 |
| Bismuth-214 | pCi/g | | | 0.981 | 1.19 | 1.26 | 0.916 | 1.26 | 1.04 | 0.961 | 0.969 | 1.35 | 4.57 | 1.11 | 1.61 | 1.15 | 3.67 |
| Cesium-134 | pCi/g | | | 0.0237 U | 0.00301 U | 0.0486 U | -0.0863 U | -0.0329 U | -0.0127 U | 0.0267 U | 0.0595 U | 0.0289 U | 0.0172 U | 0.0512 U | 0.0424 U | -0.00405 U | 0.00604 U |
| Cesium-137 | pCi/g | | | 0.0132 U | -0.0468 U | -0.016 U | 0.0161 U | -0.00471 U | 0.0096 U | -0.0103 U | -0.00436 U | -0.0205 U | 0.0337 U | 0.000363 U | -0.0292 U | 0.000455 U | 0.00659 U |
| Cobalt-57 | pCi/g | | | 0.0495 | 0.024 U | -0.00572 U | 0.00942 U | 0.0118 U | 0.0255 U | -0.00142 U | -0.00238 U | 0.0176 U | 0.00948 U | -0.00979 U | 0.0375 U | 0.00063 U | -0.0462 U |
| Cobalt-60 | pCi/g | | | 0.0102 U | 0.00561 U | 0.00226 U | -0.000597 U | 0 U | -0.00167 U | -0.00825 U | 0.00695 U | -0.0207 U | 0 U | 0.0216 U | 0.0195 U | 0.0348 U | 0.0107 U |
| GROSS ALPHA | pCi/g | | | 28.9 | 23.2 | 25.4 | 36.6 | 29.9 | 27.5 | 27.1 | 28.6 | 29.5 | 126 | 31.8 | 27.5 | 20.7 | 88.5 |
| GROSS BETA | pCi/g | | | 23.6 J+ | 15.5 J+ | 29.5 J+ | 18.1 J+ | 26 J+ | 27.9 J+ | 28.3 J+ | 50.3 | 27.6 | 48.8 J+ | 30 J+ | 33.8 J+ | 26.6 J+ | 45.9 J+ |
| Lead-212 | pCi/g | | | 1.54 | 1.7 | 2 | 1.48 | 2.24 | 1.62 | 1.71 | 1.9 | 1.66 | 2.14 | 1.6 | 1.81 | 1.91 | 1.95 |
| Lead-214 | pCi/g | | | 1.32 | 1.25 | 1.14 | 1.07 | 1.14 | 0.943 J+ | 1.14 J+ | 1.11 | 1.4 | 4.75 | 1.13 | 1.8 | 1.45 | 4.06 |
| Potassium-40 | pCi/g | | | 19.7 | 20 | 25 | 19.2 | 28.2 | 22.5 | 25.3 | 37.8 | 24.4 | 20 | 24.8 | 24 | 22.4 | 24.3 |
| Protactinium-231 | pCi/g | | | 1.17 U | 1.02 U | 1.41 U | 0.699 U | 0.998 U | 0.648 U | 0.744 U | 0.657 U | 1.2 U | 0.891 U | 0.931 U | 0.7 U | 0.798 U | 0.91 U |
| Protactinium-234m | pCi/g | | | -0.09 U | 0.125 U | -0.0884 U | -0.116 U | 0.0631 U | -0.0258 U | -0.00861 U | -0.11 U | -0.124 U | 0.0946 U | 0.075 U | 0.00436 U | -0.126 U | 0.127 U |
| Radium-224 | pCi/g | | | -5.1 U | 1.9 U | 2.1 | -3.69 U | 1.97 U | 1.75 | 2.13 | 2.14 | 2.2 U | 1.16 U | 1.61 U | 0.988 U | -5.43 U | 2.76 |
| Radium-226 | pCi/g | **0.023** | | **1.33** | **1.29** | **1.21** | **1.38** | **1.14** | **0.953** | **1.03** | **1.01** | **1.34** | **5.23 J+** | **1.13 J+** | **2.01 J+** | **1.55 J+** | **4.94 J+** |
| Radium-228 | pCi/g | **0.041** | | **0.638** | **1.22** | **1.22** | **1.44** | **1.13** | **1.08** | **1.11** | **1.42** | **1.49** | **1.33 J+** | **1.54 J+** | **1.13** | **1.12** | **1.05 J+** |
| Thallium-208 | pCi/g | | | 0.595 | 0.558 | 0.596 | 0.586 | 0.69 | 0.523 | 0.726 | 0.621 | 0.623 | 0.834 | 0.583 | 0.631 | 0.671 | 0.661 |
| Thorium | pCi/g | | | 1.62 | 1.45 | 1.65 | 2.04 | 1.61 | 1.21 | 1.68 | 1.9 | 1.58 | 1.49 | 1.35 | 1.86 | 1.64 | 1.59 |
| Thorium-227 | pCi/g | | | 0.0262 U | -0.514 U | 0.356 U | 0 U | 0.132 U | 0.173 U | 0.648 | -0.0553 U | -1.29 U | -0.384 U | -0.0412 U | 0.101 U | 0.0453 U | 0.201 U |
| Thorium-228 | pCi/g | **0.025** | | **1.78** | **1.45** | **2.01** | **2.54** | **1.68** | **1.54 J+** | **1.96 J+** | **1.77** | **1.52** | **1.9** | **1.31** | **1.97 J+** | **1.56 J+** | **1.65** |
| Thorium-230 | pCi/g | **8.3** | | 1.34 J+ | 1.03 J+ | 1.36 J+ | 2.86 J+ | 1.05 J+ | 0.759 | 0.874 | 1.03 J+ | 1.65 J+ | 5.58 J+ | 0.834 J+ | 1.5 J+ | 1.26 J+ | 2.65 J+ |
| Thorium-234 | pCi/g | | | 0.0445 U | 0.86 U | 1.17 U | 0.796 U | 1.19 U | 0.938 U | 1.24 U | 0.72 U | 1.36 U | 6.47 | 0.942 U | 1.16 U | 0.897 U | 3.59 |
| Uranium-234 | pCi/g | 110 | | 1.03 J+ | 0.694 J+ | 1.14 J+ | 1.23 J+ | 1.13 J+ | 0.709 | 0.893 | 1.13 | 1.32 | 6.78 | 1.08 | 1.05 | 1.32 | 3.84 |
| Uranium-235 | pCi/g | **0.35** | | 0.0922 | 0.0668 | 0.0922 | 0.101 | 0.116 | 0.0739 U | 0.0366 U | 0.0465 U | 0.0479 U | **0.401** | 0.0684 | 0.07 | 0.0255 U | 0.21 |
| Uranium-238 | pci/g | **1.4** | | 0.994 | 0.738 | 0.778 | 1.28 | 1.16 | 0.747 | 0.961 | 0.834 | 0.931 | **6.79** | 1.17 | 1.27 | 1.14 | **3.16** |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn | FrancyMtn | FrancyMtn | FrancyMtn | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | J2Landfill |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-9 | FM-SS-1 | FM-SS-1 | FM-SS-2 | FM-SS-2 | FM-SS-3 | FM-SS-4 | HP1-1 | HP1-1 | HP1-3 | HP1-4 | HP1-4 | HP1-5 | HP1-6 | J2-SS-2 |
| | | | Sample Name | DD-B-9_SUB | FM-SS-1_SS | FM-SS-1_SS DUP | FM-SS-2_SS | FM-SS-2_SS DUP | FM-SS-3_SS | FM-SS-4_SS | HP1-1-2 | HP1-2-2 | HP1-3-3 | DUP 2 | HP1-4-2 | HP1-5-2 | HP1-6-2 | J2-SS-2_SS |
| | | | Start Depth | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 2 | 2 | 0 | 1.9 | 1.9 | 2 | 0 |
| | | | End Depth | 15 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.5 | 2.5 | 0 | 2.5 | 2.5 | 2.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 |
| | | | Parent Sample | | | FM-SS-1_SS_11/20/13 | | FM-SS-2_SS_11/20/13 | | | | | | HP1-4-2_07/10/13 | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | 2.06 | 1.91 | 2.01 | 1.83 | 1.81 | 3.05 | 2.05 | 1.56 J+ | 1.44 J+ | 1.67 J+ | 1.53 J+ | 1.72 J+ | 1.72 J+ | 1.9 J+ | 2.46 |
| Bismuth-210M | pCi/g | | | 0.0475 U | 0.0513 U | -0.0451 U | 0.00664 U | 0.0196 U | 0.0261 U | 0.0123 U | -- | -- | -- | -- | -- | -- | -- | 0.0433 U |
| Bismuth-212 | pCi/g | | | 1.68 U | 3.09 | 3.53 | 2.78 | 2.91 | 4.46 | 2.57 | 1.21 U | 2.22 | 1.52 U | 3.16 J | 0.686 U | 1.97 | 1.42 U | 1.57 U |
| Bismuth-214 | pCi/g | | | 1.12 | 2.34 | 2.57 | 1.48 | 1.74 | 11.3 | 3.28 | 0.714 J- | 1.01 J- | 0.623 J- | 0.678 J- | 0.648 J- | 0.936 J- | 0.904 J- | 3.62 |
| Cesium-134 | pCi/g | | | -0.052 U | 0.0287 U | 0.0241 U | 0.0559 U | 0.0235 U | 0.0621 U | -0.0365 U | 0.0683 U | 0.075 U | 0.0261 U | 0 U | -0.0261 U | -0.0857 U | -0.0126 U | 0.0751 U |
| Cesium-137 | pCi/g | | | 0.0292 U | -0.053 U | -0.0198 U | 0.00232 U | 0.00411 U | 0.00278 U | -0.00306 U | 0 U | 0.00835 U | -0.0536 U | -0.059 U | -0.051 U | 0.0422 U | -0.0385 U | 0.00216 U |
| Cobalt-57 | pCi/g | | | 0.0126 U | 0.00656 U | 0.0164 U | 0.0127 U | -0.0105 U | 0.0104 U | 0.0144 U | -0.0067 U | -0.0238 U | -0.0176 U | 0.0171 U | 0.00037 U | -0.00131 U | -0.00329 U | 0.0119 U |
| Cobalt-60 | pCi/g | | | 0.0552 U | 0.0111 U | 0.011 U | 0.0376 U | -0.0174 U | 0.0591 U | 0.013 U | 0.0248 U | 0.0586 U | -0.0381 U | 0.00515 U | -0.0993 U | -0.0226 U | 0.0156 U | 0.00763 U |
| GROSS ALPHA | pCi/g | | | 26.6 | 74.2 | 84.6 | 37.1 | 39 | 348 | 97.1 | -- | -- | -- | -- | -- | -- | -- | 39.2 |
| GROSS BETA | pCi/g | | | 32.3 J+ | 49.1 J+ | 50.8 J+ | 35.6 J+ | 35.3 J+ | 153 J+ | 32.9 J+ | -- | -- | -- | -- | -- | -- | -- | 36.4 J+ |
| Lead-212 | pCi/g | | | 1.89 | 1.99 | 1.9 | 1.66 | 1.9 | 2.89 | 1.79 | 1.8 | 1.43 | 1.47 | 1.19 | 1.55 | 1.41 | 1.54 | 2.23 |
| Lead-214 | pCi/g | | | 1.39 | 2.71 J+ | 3.2 J+ | 1.66 J+ | 1.77 J+ | 11.3 J+ | 3.57 J+ | 1.04 J- | 0.937 J- | 0.919 J- | 0.908 J- | 1.16 J- | 0.961 J- | 0.855 J- | 3.33 J+ |
| Potassium-40 | pCi/g | | | 22.5 | 21.8 | 21.5 | 24.3 | 23.5 | 16.2 | 25.5 | 18.8 | 24.6 | 24.6 | 19.6 | 22 | 18.2 | 22.5 | 26.1 |
| Protactinium-231 | pCi/g | | | 0.475 U | 1.47 U | 0.828 U | 0.649 U | 1.18 U | -3.01 U | 0.933 U | -- | -- | -- | -- | -- | -- | -- | 1.16 U |
| Protactinium-234m | pCi/g | | | -0.118 U | 0.0502 U | -0.139 U | 0.0401 U | 0.00766 U | -0.281 U | -0.125 U | 21.6 U | 1.21 U | 12.5 U | -1.6 U | 5.96 U | 2.94 U | 20 U | 0.0608 U |
| Radium-224 | pCi/g | | | 2.54 | 2.43 U | 2.45 | 2.29 U | 2.35 | 3.2 U | 1.46 U | 1.8 | 1.43 | 1.47 | 1.19 | 1.55 | 1.41 | 1.54 | 2.85 U |
| Radium-226 | pCi/g | **0.023** | | **0.99 J+** | **2.97** | **3.15** | **1.47** | **1.76** | **14.7** | **3.08** | **0.781** | **0.752** | **1.04** | **0.787** | **1.14** | **0.759** | **0.762** | **3.31** |
| Radium-228 | pCi/g | **0.041** | | **1.37 J+** | **1.39** | **1.22** | **1.12** | **0.63** | **1.94** | **1.27** | -- | -- | -- | -- | -- | -- | -- | **1.23** |
| Thallium-208 | pCi/g | | | 0.551 | 0.6 | 0.725 | 0.636 | 0.633 | 1.06 | 0.675 | 0.518 | 0.513 | 0.458 | 0.454 | 0.471 | 0.509 | 0.551 | 0.852 |
| Thorium | pCi/g | | | 1.36 | 1.64 | 1.57 | 1.88 | 1.7 | 2.23 | 1.64 | -- | -- | -- | -- | -- | -- | -- | 1.79 |
| Thorium-227 | pCi/g | | | 0.082 U | 0.389 U | 0.00531 U | 0.157 U | 0.103 U | 1.43 | 0.188 U | -0.951 U | 0.402 U | -0.751 U | 0.121 U | 0.418 U | -0.2 U | 0.099 U | -1.33 U |
| Thorium-228 | pCi/g | **0.025** | | **1.59** | **1.96 J+** | **1.84 J+** | **1.74 J+** | **1.8 J+** | **2.77 J+** | **1.79 J+** | **1.79** | **1.78** | **1.75** | **1.84** | **1.79** | **1.87** | **1.79** | **1.89 J+** |
| Thorium-230 | pCi/g | **8.3** | | 1.25 J+ | 4.89 J+ | 4.76 J+ | 2.58 J+ | 2.46 J+ | **28.3 J+** | 6.12 J+ | 1.37 | 1.38 | 1.14 | 1.21 | 1.23 | 1.18 | 1.24 | 1.46 |
| Thorium-234 | pCi/g | | | 1.01 U | 3.56 | 4.15 | 2.84 | 2.85 | 22 | 3.94 | 1.33 U | 1.81 U | 1.02 U | 1.41 U | 2.24 U | 0.683 U | 1.5 U | 4.15 |
| Uranium-234 | pCi/g | 110 | | 0.977 | 4.48 | 4.41 | 2.47 | 2.06 | 28.6 | 5.98 | 1.18 | 1.27 | 1.03 | 1.28 | 1.14 | 1.22 | 1.37 | 1.22 |
| Uranium-235 | pCi/g | **0.35** | | 0.0131 U | 0.221 | 0.282 | 0.177 | 0.0594 U | **1.55** | 0.311 | 0.0499 LT | 0.0606 LT | 0.0477 LT | 0.0754 LT | 0.0538 LT | 0.049 LT | 0.0505 LT | 0.0564 U |
| Uranium-238 | pci/g | **1.4** | | 1.03 | **4.52** | **4.04** | **2.41** | **2.15** | **28.3** | **6** | 1.07 J+ | 1.13 J+ | 1.04 J+ | 1.31 J+ | 1.05 J+ | 1.15 J+ | 1.29 J+ | 1.13 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-3 | NE-B-3 | NE-B-3 | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NS-B-1 | NS-B-1 | NS-B-2 | NS-B-2 | NS-B-3 |
| | | | Sample Name | NE-B-3_SS | NE-B-3_SUB | NE-B-3_SUB DUP | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 5.0-6.5 | NS-B-1_SS | NS-B-1_SUB | NS-B-2_SS | NS-B-2_SUB | NS-B-3_SS |
| | | | Start Depth | 0 | 10 | 10 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 3 | 0 |
| | | | End Depth | 0.5 | 15 | 15 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 15 | 0.5 | 8 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/22/2013 | 11/22/2013 | 11/22/2013 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/13/2013 | 11/13/2013 | 11/13/2013 | 11/13/2013 | 11/14/2013 |
| | | | Parent Sample | | | NE-B-3_SUB_11/22/13 | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | 2.05 | 1.69 | 1.75 | 1.57 | 1.7 | 1.72 | 1.72 | 1.78 | 1.93 | 2.6 | 1.92 | 1.46 |
| Bismuth-210M | pCi/g | | | 0.0438 U | -0.0442 U | 0.0547 U | 0.00202 U | 0.0568 U | 0.0327 U | 0 U | -0.0422 U | 0.0292 U | -0.00195 U | 0.0144 U | 0.0452 U |
| Bismuth-212 | pCi/g | | | 3.17 | 1.17 | 1.47 | 3.02 | 2.04 | 1.97 | 2.2 | 2.14 | 2.83 | 3.46 | 2.65 | 2.33 |
| Bismuth-214 | pCi/g | | | 1.43 | 0.972 | 1.35 | 1.56 | 0.822 | 1.18 | 1.01 | 1.04 | 1.43 | 3.89 | 1.44 | 1.3 |
| Cesium-134 | pCi/g | | | -0.0456 U | 0.00356 U | -0.008 U | 0.0302 U | 0.0366 U | 0.0372 U | 0.0659 U | -0.0612 U | 0.051 U | 0.0832 U | 0.0366 U | 0.0505 U |
| Cesium-137 | pCi/g | | | 0.0317 U | -0.0106 U | 0.00258 U | -0.000803 U | 0.0108 U | 0.0369 U | -0.0242 U | -0.0106 U | 0.00207 U | -0.00321 U | 0.00234 U | 0 U |
| Cobalt-57 | pCi/g | | | -0.00516 U | 0.00619 U | 0.000551 U | -0.00529 U | -0.0174 U | 0.0381 U | 0.0196 U | -0.0175 U | 0.0106 U | 0.0669 U | 0.0175 U | 0.0173 U |
| Cobalt-60 | pCi/g | | | 0.01 U | 0 U | 0.0151 U | -0.0212 U | -0.00246 U | 0.00216 U | 0.0102 U | 0.013 U | -0.0045 U | -0.0152 U | 0 U | 0.0172 U |
| GROSS ALPHA | pCi/g | | | 35.1 | 24.1 | 27.8 | 24.5 | 26.9 | 29.3 | 18.9 | 31.3 | 23 | 108 | 28.7 | 29.7 |
| GROSS BETA | pCi/g | | | 32.5 | 29.5 | 29.5 | 22.5 J+ | 28.4 J+ | 29.2 J+ | 25.8 J+ | 38.5 | 29.2 | 55.8 | 25.1 | 33.3 |
| Lead-212 | pCi/g | | | 1.75 | 1.79 | 1.54 | 1.82 | 1.41 | 1.63 | 1.62 | 1.8 | 1.44 | 2.46 | 2.01 | 1.88 |
| Lead-214 | pCi/g | | | 1.44 | 1.18 | 1.15 | 1.86 | 0.979 | 1.25 | 0.993 | 1.24 | 1.17 | 4.2 | 1.54 | 1.38 |
| Potassium-40 | pCi/g | | | 23.8 | 26 | 27.4 | 20.7 | 23.9 | 21.5 | 22 | 35.3 | 22.4 | 21.4 | 20.7 | 25.6 |
| Protactinium-231 | pCi/g | | | -0.625 U | 0.647 U | -1.56 U | 0.603 U | 0.979 U | 0.798 U | 1.28 U | 0.862 U | 1.37 U | 2.38 | 1.56 U | 1.27 U |
| Protactinium-234m | pCi/g | | | -0.0393 U | 0.0768 U | -0.139 U | 0.0418 U | -0.0237 U | -0.0114 U | 0.213 | 0.0279 U | -0.0109 U | 0.012 U | 0.203 U | -0.131 U |
| Radium-224 | pCi/g | | | 1.93 U | 2.2 | -4.14 U | 1.88 U | 1.93 | 1.18 U | 1.41 U | 2.07 U | 2.09 U | 2.67 U | 2.07 U | 1.75 U |
| Radium-226 | pCi/g | **0.023** | | **1 J+** | **0.931 J+** | **0.929 J+** | **1.41** | **1.27** | **1.17** | **1.02** | **1.12** | **1.28** | **5.04** | **1.35** | **1.29** |
| Radium-228 | pCi/g | **0.041** | | **1.51** | **1.03** | **1** | **0.991** | **0.995** | **1.08** | **1.09** | **1.85** | **1.1** | **1.8** | **0.894** | **1.69** |
| Thallium-208 | pCi/g | | | 0.656 | 0.623 | 0.568 | 0.555 | 0.583 | 0.464 | 0.518 | 0.684 | 0.59 | 0.883 | 0.599 | 0.712 |
| Thorium | pCi/g | | | 1.66 | 1.55 | 1.66 | 1.51 | 1.68 | 1.8 | 1.62 | 1.61 | 1.53 | 2.86 | 1.44 | 1.7 |
| Thorium-227 | pCi/g | | | -0.816 U | 0.0674 U | 0.0872 U | 0.119 U | -0.0267 U | 0.457 U | -0.444 U | 0.593 | -0.477 U | 0.154 U | 0.234 U | 0.639 |
| Thorium-228 | pCi/g | **0.025** | | **1.63** | **1.8** | **1.64** | **1.47** | **1.78** | **1.7** | **1.78** | **2.09** | **2.04** | **2.87 J+** | **1.52 J+** | **1.95** |
| Thorium-230 | pCi/g | **8.3** | | 1.01 J+ | 1.17 J+ | 1.18 J+ | 1.01 J+ | 1.07 J+ | 1.45 J+ | 1 J+ | 1.38 J+ | 1.06 J+ | 5.19 J+ | 1.41 J+ | 1.14 J+ |
| Thorium-234 | pCi/g | | | 0.914 U | 1.91 U | 0.67 U | 0.675 U | 0.554 U | 1.3 | 0.741 U | 2.22 | 0.641 U | 2.88 | 0.921 U | 2.07 U |
| Uranium-234 | pCi/g | 110 | | 0.777 J+ | 1.05 J+ | 1.11 J+ | 0.862 J+ | 0.757 J+ | 0.92 J+ | 0.657 J+ | 0.863 | 1.33 | 5.35 J+ | 1.54 J+ | 0.945 |
| Uranium-235 | pCi/g | **0.35** | | 0.043 | 0.0592 | 0.0368 | 0.036 U | 0.0222 U | -0.00291 U | 0.0397 U | 0.0359 U | 0.0568 U | 0.256 | 0.0707 | 0.0797 |
| Uranium-238 | pci/g | **1.4** | | 1.01 | 1.01 | 0.992 | 0.87 | 0.591 | 0.995 | 0.762 | 0.818 | 0.981 | **4.98** | 1.31 | 0.966 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | NorthStorageArea | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NS-B-3 | NS-B-4 | NS-B-4 | NS-B-5 | NS-SS-1 | NS-SS-5 | P-B-10 | P-B-10 | P-B-12 | P-B-12 | P-B-3 | P-B-3 | PA-SS-1 | PA-SS-7 |
| | | | Sample Name | NS-B-3_SUB | NS-B-4_SS | NS-B-4_SUB | NS-B-5 | NS-SS-1_SS | NS-SS-5_SS | P-B-10_SS | P-B-10_SUB | P-B-12_DEEP | P-B-12_SHALLOW | P-B-3_SS | P-B-3_SUB | PA-SS-1_SS | PA-SS-7_SS |
| | | | Start Depth | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 2 | 0 | 18 | 0 | 4 | 0 | 0 |
| | | | End Depth | 15 | 0.5 | 15 | 15 | 0.5 | 0.5 | 0.5 | 5 | 0.5 | 23 | 0.5 | 9 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 11/14/2013 | 11/14/2013 | 12/13/2013 | 11/20/2013 | 11/20/2013 | 12/11/2013 | 12/11/2013 | 12/5/2013 | 12/5/2013 | 11/18/2013 | 11/18/2013 | 12/13/2013 | 12/13/2013 |
| | | | Parent Sample | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | 1.17 | 2.64 | 1.74 | 1.87 | 2.01 | 1.69 | 2.62 | 2.83 | 2.04 | 2.08 | 1.81 | 1.95 | 1.73 | 0.162 |
| Bismuth-210M | pCi/g | | | 0.018 U | -0.0471 U | 0.0276 U | 0.0371 U | 0.0498 U | 0.0269 U | -0.0349 U | 0.071 U | 0.00754 U | -0.00941 U | 0.0303 U | -0.043 U | -0.0678 U | 0.00203 U |
| Bismuth-212 | pCi/g | | | 1.21 U | 2.59 | 2.57 | -0.00252 U | 3.62 | 1.63 | 2.44 | 3.81 | 2.06 | 3.44 | 2.53 | 2.72 | 1.1 | -0.0167 U |
| Bismuth-214 | pCi/g | | | 1.38 | 1.46 | 1.14 | 1.37 J+ | 2.01 | 1.05 | 2.47 | 4.67 | 1.4 | 1.88 | 1.37 | 1.31 | 1.14 J+ | 0.362 J+ |
| Cesium-134 | pCi/g | | | 0.0376 U | 0.0677 | 0.0105 U | -0.00297 U | 0.0751 U | 0.0166 U | 0.0509 U | 0.0233 U | 0.0445 U | 0.0252 U | 0.0297 U | 0.0347 U | 0.0252 U | -0.0275 U |
| Cesium-137 | pCi/g | | | 0.0196 U | 0 U | 0.000314 U | -0.0214 U | -4.06E-05 U | -0.0374 U | -0.0178 U | -0.0431 U | -0.0316 U | -0.0123 U | -0.00228 U | -0.0127 U | 0.0191 U | 0.00272 U |
| Cobalt-57 | pCi/g | | | 0.0192 U | -0.00153 U | -0.00784 U | 0.000855 U | 0.0199 U | 0.0322 U | 0.029 U | 0.0288 U | -0.0094 U | 0.0179 U | 0.00414 U | 0.00933 U | 0.0131 U | -0.00078 U |
| Cobalt-60 | pCi/g | | | 0.00146 U | 0.00727 U | 0.0075 U | 0.00355 U | 0 U | 0.0123 U | 0.00697 U | 0.0155 U | 0.00931 U | 0.0269 U | 0.00391 U | 0.0027 U | -0.00847 U | -0.0125 U |
| GROSS ALPHA | pCi/g | | | 22.5 | 36.4 | 24.5 | 28 | 61.5 | 26.9 | 115 | 209 | 22.4 | 54.9 | 20.8 | 23.1 | 27.7 | 7.27 |
| GROSS BETA | pCi/g | | | 27 | 37.1 | 27.3 | 29.3 J+ | 39 J+ | 29.4 J+ | 52.9 J+ | 82.9 J+ | 26.7 J+ | 44 J+ | 29.8 | 22.5 | 27.1 J+ | 5.79 J+ |
| Lead-212 | pCi/g | | | 1.85 | 2.41 | 1.81 | 1.83 | 2.11 | 1.77 | 2.56 | 2.58 | 1.59 | 2.19 | 1.89 | 1.82 | 1.46 | 0.0948 |
| Lead-214 | pCi/g | | | 1.56 | 1.51 | 1 | 1.48 | 2.3 J+ | 1.05 J+ | 2.45 | 5.09 | 1.31 | 1.96 | 1.35 | 1.22 | 1.18 | 0.385 |
| Potassium-40 | pCi/g | | | 22.4 | 28 | 21.9 | 22.8 | 25.8 | 26.5 | 24.3 | 23.6 | 24.1 | 26.3 | 24.7 | 23.3 | 25 | 2.23 |
| Protactinium-231 | pCi/g | | | 1.04 U | 1.46 U | 0.776 U | 1.2 U | 0.753 U | 0.55 U | 1.58 U | 1.43 U | 0.678 U | 1.21 U | 0.38 U | 0.808 U | 0.579 U | -0.0421 U |
| Protactinium-234m | pCi/g | | | 0.0251 U | 0.0946 U | -0.134 U | -0.139 U | 0.0674 U | 0.0431 U | -0.171 U | -0.215 U | -0.0405 U | -0.209 U | 0.0831 U | -0.0877 U | -0.068 U | 0.000885 U |
| Radium-224 | pCi/g | | | 1.92 U | 2.94 | -5.64 U | 1.85 U | 2.73 | 2.25 U | 3.07 | 3.05 U | 1.79 U | 1.15 U | 1.84 U | 2.29 | 1.64 U | -0.5 U |
| Radium-226 | pCi/g | **0.023** | | **1.29** | **1.15** | **1.06** | **1.48 J+** | **2.59** | **0.911** | **3.35 J+** | **4.62 J+** | **1.53 J+** | **2.31 J+** | **1.14** | **1.16** | **1.27 J+** | **0.631 J+** |
| Radium-228 | pCi/g | **0.041** | | **1.46** | **1.52** | **1.28** | **1.22** | **0.939** | **0.894** | **2 J+** | **2.3 J+** | **1.29** | **1.9** | **1.28** | **1.42** | **0.998** | 0.369 U |
| Thallium-208 | pCi/g | | | 0.419 | 0.72 | 0.586 | 0.631 | 0.749 | 0.57 | 0.872 | 1.03 | 0.592 | 0.78 | 0.64 | 0.607 | 0.503 | 0.0166 U |
| Thorium | pCi/g | | | 1.78 | 2.25 | 1.87 | 1.63 | 2.11 | 1.94 | 2.94 J+ | 3.27 J+ | 1.47 | 2.09 | 1.45 | 2.13 | 1.39 | 0.128 |
| Thorium-227 | pCi/g | | | -0.00377 U | 0.0139 U | 0.382 | 0.152 U | 0.077 U | 6.19 | -0.327 U | -2.59 U | 0.0211 U | 0.242 U | 0.521 | 0.151 U | 0.102 U | 0.0159 U |
| Thorium-228 | pCi/g | **0.025** | | **1.59** | **2.27** | **2.04** | **1.63** | **2.12 J+** | **1.98 J+** | **3.08 J+** | **3.31 J+** | **1.97 J+** | **2.33 J+** | **1.84** | **2.35** | **1.79** | **0.147** |
| Thorium-230 | pCi/g | **8.3** | | 1.62 J+ | 1.26 J+ | 1.5 J+ | 1.71 J+ | 2.85 J+ | 1.88 J+ | 4.57 J+ | **11.8 J+** | 1.66 J+ | 3.16 J+ | 0.983 J+ | 1.31 J+ | 1.62 J+ | 0.728 J+ |
| Thorium-234 | pCi/g | | | 3.73 | 1.05 U | 1.09 U | 2.27 U | 2.98 | 1.11 U | 3.85 | 6.79 | 1.06 U | 1.56 U | 0.809 U | 2.29 | 1.86 U | 0.485 U |
| Uranium-234 | pCi/g | 110 | | 1.31 | 1.1 | 1.11 | 1.29 | 2.68 | 0.968 | 4.01 | 10.8 | 1.1 | 2.52 | 0.986 | 1.18 | 1.07 | 0.559 |
| Uranium-235 | pCi/g | **0.35** | | 0.0632 | 0.0492 U | 0.0834 | 0.154 | 0.103 | 0.0503 | 0.221 | **0.415** | 0.024 U | 0.0643 U | 0.0502 U | 0.0516 U | 0.0375 U | 0.0111 U |
| Uranium-238 | pci/g | **1.4** | | 1.16 | 1.29 | 1.05 | 1.07 J+ | **2.84** | 0.894 | **4.2** | **10.6** | 1.3 | **2.92** | 1.11 | 1.23 | 0.923 J+ | 0.404 J+ |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
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**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PP-B-1 | PP-B-1 | PP-B-2 | PP-B-2 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | LS-B-1 | PP-B-1 | PP-B-1 |
| | | | Sample Name | PP-B-1 0-4 | PP-B-1 11-13 | PP-B-2 0-4 | PP-B-2 7-15 | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 5.0-6.5 | LS-B-1 | PP-B-1 0-4 | PP-B-1 11-13 |
| | | | Start Depth | 0 | 11 | 0 | 7 | 0 | 5 | 0 | 5 | 0 | 0 | 11 |
| | | | End Depth | 4 | 13 | 4 | 15 | 0.5 | 6.5 | 0.5 | 6.5 | 15 | 4 | 13 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/12/2013 | 12/12/2013 | 12/12/2013 | 12/12/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 12/13/2013 | 12/12/2013 | 12/12/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | 1.58 | 1.82 | 0.948 | 2.02 | 0.312 U | 1.88 | 1.83 | 1.68 | 1.81 | 1.58 | 1.82 |
| Bismuth-210M | pCi/g | | | 0.0117 U | 0.0113 U | 0.0201 U | 0.000371 U | -0.000748 U | 0.0195 U | 0.00432 U | 0.0072 U | -0.0148 U | 0.0117 U | 0.0113 U |
| Bismuth-212 | pCi/g | | | 2.05 | 0.837 U | 1.31 U | 1.3 | 0.557 U | 2.99 | 2.8 | 1.19 | 1.29 | 2.05 | 0.837 U |
| Bismuth-214 | pCi/g | | | 1.12 | 1.08 | 1.06 | 0.908 | 0.829 | 0.875 | 1.02 | 1.32 | 1.05 J+ | 1.12 | 1.08 |
| Cesium-134 | pCi/g | | | 0.012 U | 0.0342 U | 0.0287 U | 0.012 U | 0.0211 U | 0.0425 U | 0.0393 | 0.0127 U | -0.0287 U | 0.012 U | 0.0342 U |
| Cesium-137 | pCi/g | | | 0 U | -0.0159 U | -0.0199 U | -0.0101 U | 0.00418 U | -0.0166 U | 0.0196 U | -0.0208 U | 0.0214 U | 0 U | -0.0159 U |
| Cobalt-57 | pCi/g | | | -0.0175 U | 0.0219 U | 0.0123 U | 0.000472 U | 0.0253 U | 0.0101 U | -0.011 U | -0.0108 U | 0.0356 U | -0.0175 U | 0.0219 U |
| Cobalt-60 | pCi/g | | | -0.0163 U | 0.00908 U | -0.0393 U | 0.0274 U | 0.0119 U | -0.0134 U | -0.000507 U | 0.012 U | 0.0141 U | -0.0163 U | 0.00908 U |
| GROSS ALPHA | pCi/g | | | 24.9 | 25.1 | 19.5 | 25.2 | 17.2 | 21.3 | 26.9 | 28.5 | 28.7 | 24.9 | 25.1 |
| GROSS BETA | pCi/g | | | 29.2 J+ | 26.2 J+ | 25 J+ | 27.3 J+ | 16.3 J+ | 23.9 J+ | 29.3 J+ | 26.4 J+ | 30.7 J+ | 29.2 J+ | 26.2 J+ |
| Lead-212 | pCi/g | | | 1.77 | 1.83 | 1.6 | 1.91 | 0.524 | 1.68 | 1.59 | 1.86 | 1.83 | 1.77 | 1.83 |
| Lead-214 | pCi/g | | | 1.17 | 1.27 | 1.36 | 1.16 | 0.623 | 0.988 | 1.11 | 1.05 | 1.24 | 1.17 | 1.27 |
| Potassium-40 | pCi/g | | | 25.8 | 23.7 | 21.6 | 23.7 | 7.06 | 23.5 | 23.4 | 25.2 | 24.5 | 25.8 | 23.7 |
| Protactinium-231 | pCi/g | | | 0.809 U | 0.703 U | -1.87 U | 0.716 U | 0.241 U | 0.843 U | 1.18 U | 0.804 U | 1.13 U | 0.809 U | 0.703 U |
| Protactinium-234m | pCi/g | | | 0.00852 U | 0.0808 U | 0.109 U | 0.0656 U | 0.0986 U | 0.0673 U | -0.0975 U | 0.078 U | 0.0197 U | 0.00852 U | 0.0808 U |
| Radium-224 | pCi/g | | | 1.82 U | 0.797 U | 2.72 | 2.09 | 0.884 U | 2.27 | 2.04 U | 1.79 U | 1.67 U | 1.82 U | 0.797 U |
| Radium-226 | pCi/g | **0.023** | | **1.12 J+** | **1.06 J+** | **1.1 J+** | **0.914 J+** | **0.595** | **1.09** | **0.991** | **0.914** | **1.42 J+** | **1.12 J+** | **1.06 J+** |
| Radium-228 | pCi/g | **0.041** | | **1.53 J+** | **1.18 J+** | **1.26 J+** | **1.16 J+** | 0.155 U | **1.26** | **1.14** | **1.07** | **1.32** | **1.53 J+** | **1.18 J+** |
| Thallium-208 | pCi/g | | | 0.579 | 0.632 | 0.677 | 0.668 | 0.211 | 0.582 | 0.581 | 0.632 | 0.612 | 0.579 | 0.632 |
| Thorium | pCi/g | | | 1.74 J+ | 1.78 J+ | 1.41 J+ | 1.78 J+ | 0.433 | 1.83 | 1.21 | 1.46 | 1.5 | 1.74 J+ | 1.78 J+ |
| Thorium-227 | pCi/g | | | -0.00857 U | 0.122 U | 0 U | 0.124 U | 0.00142 U | 0.149 U | 0.269 U | -1.04 U | 0.0645 U | -0.00857 U | 0.122 U |
| Thorium-228 | pCi/g | **0.025** | | **2.16 J+** | **1.86 J+** | **1.71 J+** | **1.91 J+** | **0.467 F** | **1.82 F** | **1.54 F** | **1.84 F** | **1.53** | **2.16 J+** | **1.86 J+** |
| Thorium-230 | pCi/g | **8.3** | | 1.5 J+ | 1.2 J+ | 1.11 J+ | 1.39 J+ | 0.92 J+ | 0.966 J+ | 0.762 J+ | 0.961 J+ | 1.08 J+ | 1.5 J+ | 1.2 J+ |
| Thorium-234 | pCi/g | | | 1.42 U | 0.825 U | 2.23 U | 1.59 U | -0.0187 U | 0.988 U | 0.991 U | 1.07 U | 0.839 U | 1.42 U | 0.825 U |
| Uranium-234 | pCi/g | 110 | | 1.1 | 1.38 | 1.15 | 1 | 0.559 J+ | 0.812 J+ | 0.759 J+ | 0.837 J+ | 1.27 | 1.1 | 1.38 |
| Uranium-235 | pCi/g | **0.35** | | 0.107 | 0.103 | 0.0464 | 0.0524 U | 0.0422 | 0.0549 U | -0.0083 U | 0.032 U | 0.134 | 0.107 | 0.103 |
| Uranium-238 | pci/g | **1.4** | | 1.13 | 1.08 | 1.27 | 1 | 0.533 | 0.939 | 0.912 | 0.822 | 1.19 J+ | 1.13 | 1.08 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | Radiochem_loc's | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PP-B-2 | PP-B-2 | SW-B-1 | SW-B-2 | SW-B-3 | SW-B-4 | TR-B-1 | TR-B-2 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-1 | BD-1 |
| | | | Sample Name | PP-B-2 0-4 | PP-B-2 7-15 | SW-B-1 | SW-B-2 | SW-B-3 | SW-B-4 | TR-B-1 | TR-B-2 | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | | | |
| | | | Start Depth | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 9 | 9 |
| | | | End Depth | 4 | 15 | 30 | 29 | 30 | 30 | 30 | 30 | 5 | 5 | 5 | 5 | 20 | 10 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/12/2013 | 12/12/2013 | 12/16/2013 | 12/16/2013 | 12/17/2013 | 12/17/2013 | 12/13/2013 | 12/16/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | | | | | | | | | | SW-1 1E_08/15/13 | | | | BD-1-10_51001 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | 0.948 | 2.02 | 2.23 | 2.14 | 1.34 | 1.73 | 2.25 | 1.79 | 8.9 J+ | 8.19 J+ | 20.8 J+ | 14.2 J+ | -- | -- | -- |
| Bismuth-210M | pCi/g | | | 0.0201 U | 0.000371 U | -0.00352 U | 0.0121 U | 0.0129 U | 0.00519 U | -0.0244 U | -0.00484 U | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | 1.31 U | 1.3 | 1.64 | 0.858 U | 3.19 | 2.19 | 0.916 U | 2.36 | 6.75 J+ | 6.52 J+ | 17.5 J+ | 14 J+ | -- | -- | -- |
| Bismuth-214 | pCi/g | | | 1.06 | 0.908 | 1.24 | 1.15 | 1.3 | 1.11 | 1.56 J+ | 1.45 | 3.16 J | 2.53 J | 3.87 J | 5.85 J | -- | -- | -- |
| Cesium-134 | pCi/g | | | 0.0287 U | 0.012 U | 0.00443 U | 0.039 U | 0.0371 U | 0.0584 | 0.0218 U | 0.0375 | 0.144 U | 0.0783 U | 0.253 J+ | 0.0542 U | -- | -- | -- |
| Cesium-137 | pCi/g | | | -0.0199 U | -0.0101 U | -0.0221 U | -0.0115 U | -0.024 U | -0.0124 U | -0.0316 U | -0.00542 U | -0.0585 U | 0.0041 U | -0.147 U | -0.0519 U | -- | -- | -- |
| Cobalt-57 | pCi/g | | | 0.0123 U | 0.000472 U | 0.00332 U | -0.00412 U | 0.00301 U | 0.0344 U | 0.0013 U | 0.0188 U | 0.0629 U | 0.0126 U | -0.0159 U | 0.038 U | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -0.0393 U | 0.0274 U | -0.0125 U | -0.00684 U | -0.0223 U | 0.00609 U | 0 U | -0.00271 U | -0.0266 U | 0.0191 U | -0.0888 U | -0.0342 U | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | 19.5 | 25.2 | 23.1 J+ | 27.6 J+ | 23.9 J+ | 24.6 J+ | 25.3 | 27.1 J+ | 136 | 103 | 196 | 201 | -- | -- | -- |
| GROSS BETA | pCi/g | | | 25 J+ | 27.3 J+ | 26.2 J+ | 25.4 J+ | 35.8 J+ | 31.1 J+ | 32.6 J+ | 21.3 J+ | 76.7 J- | 60.8 J- | 105 J- | 90.4 J- | -- | -- | -- |
| Lead-212 | pCi/g | | | 1.6 | 1.91 | 1.6 | 1.74 | 1.8 | 1.68 | 1.83 | 1.84 | 7.93 J+ | 6.28 J+ | 15 J+ | 12.9 J+ | -- | -- | -- |
| Lead-214 | pCi/g | | | 1.36 | 1.16 | 1.47 | 1.26 | 1.35 | 1.16 | 1.62 | 1.15 | 3.99 J | 2.79 J | 5.48 J | 6.83 J | -- | -- | -- |
| Potassium-40 | pCi/g | | | 21.6 | 23.7 | 25.5 | 22.4 | 23.8 | 25.9 | 25.8 | 25.5 | 1.52 U | 1.2 U | 1.74 U | 2.02 U | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -1.87 U | 0.716 U | 0.492 U | 1.78 | 0.578 U | 1.08 U | 1.16 U | 0.73 U | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | 0.109 U | 0.0656 U | -0.112 U | 0.0015 U | -0.122 U | 0.0161 U | 0.0216 U | 0.239 | 29.8 J+ | 34.1 J+ | 45.6 J+ | 41.1 J+ | -- | -- | -- |
| Radium-224 | pCi/g | | | 2.72 | 2.09 | -4.23 U | 1.51 U | 1.94 U | 1.51 U | 1.45 U | 1.75 U | 7.93 J+ | 6.28 J+ | 15 J+ | 12.9 J+ | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **1.1 J+** | **0.914 J+** | **1.31 J+** | **1.12 J+** | **1.73 J+** | **1.06 J+** | **1.55 J+** | **1.02 J+** | **10.6** | **9.06** | **12.9** | **19.9** | **1.88** | **1.14** | **1.13** |
| Radium-228 | pCi/g | **0.041** | | **1.26 J+** | **1.16 J+** | **1.05** | **1.17** | **1** | **0.727** | **1.16** | **1.2** | **8.42** | **7.2** | **17.7** | **12.4** | 1.78 U | **2.33** | 1.78 U |
| Thallium-208 | pCi/g | | | 0.677 | 0.668 | 0.609 | 0.592 | 0.619 | 0.601 | 0.827 | 0.728 | 2.3 J+ | 1.89 J+ | 5 J+ | 3.8 J+ | -- | -- | -- |
| Thorium | pCi/g | | | 1.41 J+ | 1.78 J+ | 2.16 | 1.25 | 1.74 | 1.93 | 2.18 | 1.57 | 10.7 | 8.71 | 23.1 | 14.8 | -- | -- | -- |
| Thorium-227 | pCi/g | | | 0 U | 0.124 U | -1.41 U | 0.139 U | -0.7 U | 5.44 | -0.848 U | 0.535 | 5.97 U | 1.22 J+ | 2.79 U | 7.79 U | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **1.71 J+** | **1.91 J+** | **2.09** | **1.52** | **1.7** | **1.46** | **1.83** | **1.5** | **9.01** | **7.02** | **19.7** | **14.1** | **1.86** | **1.71** | **1.58** |
| Thorium-230 | pCi/g | **8.3** | | 1.11 J+ | 1.39 J+ | 1.39 J+ | 1.35 J+ | 1.42 J+ | 1.23 J+ | 1.64 J+ | 1.07 J+ | **25.2** | **23.2** | **34.5** | **28** | 3.27 | 1.31 | 1.52 |
| Thorium-234 | pCi/g | | | 2.23 U | 1.59 U | 0.611 U | 0.478 U | 0.944 U | 0.742 U | 3.72 | 1 U | 27.3 J+ | 22.8 J+ | 45.1 J+ | 31.5 J+ | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 1.15 | 1 | 1.21 | 1.09 | 1.12 | 1.16 | 1.4 | 1.25 | 21.5 | 20.8 | 31 | 23.7 | 2.6 | 1.39 | 1.29 |
| Uranium-235 | pCi/g | **0.35** | | 0.0464 | 0.0524 U | 0.0936 | 0.0755 | 0.109 | 0.0234 U | 0.0294 U | 0.0681 | **0.918** | **0.882** | **1.51** | **1.31** | 0.193 | 0.0759 | 0.0691 |
| Uranium-238 | pci/g | **1.4** | | 1.27 | 1 | 1.16 J+ | 1.16 J+ | 1.1 J+ | 1 J+ | 1.12 J+ | 0.913 J+ | **22.6** | **20.5** | **31.2** | **25** | **2.42** | 1.19 | 1.16 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-10 | BD-10 | BD-10 | BD-10 | BD-10 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-13 | BD-13 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 0 | 19 | 35 | 4 | 9 | 0 | 0.5 | 19 | 29 | 34 | 4 | 9 | 0 | 0.5 | 19 | 29 | 36 | 4 | 9 | 19 | 19 |
| | | | End Depth | 0.5 | 20 | 36 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 35 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 37 | 5 | 10 | 20 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | | | BD-13-20_51211 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **1.25** | **0.93** | **0.723** | **0.702** | **0.645** | **0.752** | **0.564** | **0.848** | **0.899** | **2.17** | **0.685** | **0.646** | **1.07** | **0.849** | **0.894** | **1.43** | **1.2** | **0.94** | **0.621** | **0.733** | **0.523** |
| Radium-228 | pCi/g | **0.041** | | **1.79** | **2.15** | **1.11** | **1.64** | **1.65** | **1.58** | **1.83** | **1.88** | **1.39** | **1.7** | **1.52** | **1.84** | **1.74** | **1.86** | **1.64** | **1.11** | **1.92** | **2.11** | **1.46** | **2.2** | **1.31** |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **2.15** | **1.93** | **1.7** | **2.17** | **1.89** | **2.46** | **2.06** | **1.72** | **1.78** | **1.65 J-** | **2.38** | **2.15 J-** | **1.87** | **2.11** | **1.95** | **1.67** | **1.97** | **2.07** | **1.59** | **1.76** | **2.13** |
| Thorium-230 | pCi/g | **8.3** | | 1.31 | 1.45 | 1.88 | 1.17 | 1.32 | 1.38 | 1.25 | 1.3 | 1.38 | 1.68 J- | 1.3 | 1.09 J- | 1.14 | 1.01 | 1.79 | 1.53 | 1.39 | 1.32 | 1.09 | 1.33 | 1.21 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 1.19 | 1.31 | 2.21 | 0.908 | 1.01 | 0.96 | 1.05 | 1.31 | 1.37 | 1.71 | 0.881 | 0.97 | 0.938 | 1.05 | 1.1 | 1.41 | 1.13 | 1.09 | 1.05 | 1.21 | 1.12 |
| Uranium-235 | pCi/g | **0.35** | | 0.0391 U | 0.0619 | 0.0779 | 0.0597 | 0.0368 | 0.0848 | 0.0597 | 0.1 | 0.0271 U | 0.0719 | 0.056 | 0.0236 U | 0.0621 | 0.0102 U | 0.079 | 0.0203 U | 0.076 | 0.0371 | 0.0751 | 0.0999 | 0.0376 |
| Uranium-238 | pci/g | **1.4** | | 1.09 | 1.17 | **2** | 1 | 0.921 | 1.17 | 1.09 | 1.16 | 1.24 | **1.62** | 1.04 | 0.847 | 1.03 | 1.06 | 1.16 | 1.19 | 1.24 | 1.05 | 0.933 | 1.12 | 1.07 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
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U = analyte not detected above referenced laboratory lim
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**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-13 | BD-13 | BD-13 | BD-13 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-3 | BD-3 | BD-3 | BD-3 | BD-4 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 36 | 36 | 9 | 9 | 0 | 0.5 | 19 | 36 | 4 | 9 | 0 | 0.5 | 19 | 37 | 4 | 9 | 18 | 27 | 4 | 8 | 14 |
| | | | End Depth | 37 | 37 | 10 | 10 | 0.5 | 1.5 | 20 | 37 | 5 | 10 | 0.5 | 1.5 | 20 | 38 | 5 | 10 | 19 | 28 | 5 | 9 | 15 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/4/2011 |
| | | | Parent Sample | BD-13-37_51212 | | BD-13-10_51210 | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **1.15** | **0.967** | **0.711** | **0.488** | **0.675** | **0.706** | **0.845** | **1.09** | **1.09** | **1.42** | **1.09** | **1.02** | **0.536** | **0.503** | **1.29** | **0.78** | **1.59** | **1.93** | **0.81** | **0.721** | **1.37** |
| Radium-228 | pCi/g | **0.041** | | **1.58** | **1.38** | **1.83** | **1.3** | **1.76 J-** | **1.73** | **1.45** | **1.67** | **1.77** | **2.25** | **1.53** | **1.79** | **1.5** | **1.39** | **1.86** | **1.37** | **2.76** | 1.9 U | 1.31 U | 2.52 U | 1.23 U |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **1.75** | **1.7** | **1.98** | **1.94** | **1.02** | **1.65** | **2.06** | **1.69** | **1.79** | **1.99** | **1.22** | **1.85** | **1.83** | **1.76** | **2.02** | **1.8** | **1.91** | **1.86** | **1.96** | **1.95** | **2.18** |
| Thorium-230 | pCi/g | **8.3** | | 1.47 | 1.34 | 1.18 | 0.882 | 0.985 | 1.13 | 1.42 | 1.35 | 0.755 | 1.23 | 0.831 | 1.06 | 0.915 | 1.49 | 1.13 | 0.986 | 1.29 | 3.01 | 1.07 | 1.14 | 1.87 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 1.13 | 1.18 | 1.07 | 1.06 | 1.03 | 1.01 | 1.42 | 1.11 | 0.987 | 0.893 | 0.708 | 1.08 | 1.16 | 1.13 | 0.981 | 0.938 | 1.07 | 1.96 | 0.991 | 0.948 | 1.24 |
| Uranium-235 | pCi/g | **0.35** | | 0.0506 | 0.0685 | 0.0703 | 0.0529 | 0.0296 U | 0.0614 | 0.0812 | 0.061 | 0.089 | 0.069 | 0.0291 U | 0.0562 | 0.0603 | 0.011 U | 0.039 U | 0.0576 | 0.0718 | 0.0618 | 0.0159 U | 0.0529 U | 0.0664 |
| Uranium-238 | pci/g | **1.4** | | 1.02 | 1.04 | 0.945 | 0.984 | 0.917 | 0.943 | 1.07 | 0.965 | 1.01 | 1.08 | 0.907 | 1.21 | 1.17 | 1.13 | 1.1 | 1.04 | 1.08 | **1.68** | 1.03 | 1.19 | 1.12 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-4 | BD-5 | BD-5 | BD-5 | BD-5 | BD-6 | BD-6 | BD-6 | BD-6 | BD-6 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-8 | BD-8 | BD-8 | BD-8 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 21 | 19 | 27 | 4 | 9 | 0 | 19 | 22 | 4 | 9 | 0 | 0.5 | 19 | 24 | 4 | 9 | 0 | 0 | 0.5 | 0.5 |
| | | | End Depth | 22 | 20 | 28 | 5 | 10 | 0.5 | 20 | 23 | 5 | 10 | 0.5 | 1.5 | 20 | 25 | 5 | 10 | 0.5 | 0.5 | 1.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | BD-8-0.5_51317 | | BD-8-1.5_51193 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **3.1** | **1** | **1.89** | **0.893** | **0.912** | **1.35** | **0.941** | **2.76** | **0.864** | **0.811** | **1.33** | **0.783** | **0.95** | **1.32** | **0.949** | **1.1** | **0.771** | **1.34** | **0.96** | **1.42** |
| Radium-228 | pCi/g | **0.041** | | 0.934 U | 1.42 U | **2.07** | **2.56** | **2.12** | **1.97** | **2.83** | 1.19 U | **2.71** | 0.878 U | **2.13** | **2.49** | **1.6** | **1.58** | **1.92** | 0.201 U | **1.67** | **1.82** | **1.04** | **1.36** |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **1.32** | **2.33** | **1.76** | **2** | **1.91** | **2.48** | **2.31** | **0.757** | **1.76** | **1.95** | **2.07** | **1.79** | **1.68** | **1.82** | **1.52** | **2.17** | **1.93** | **1.91** | **1.96** | **1.76** |
| Thorium-230 | pCi/g | **8.3** | | 4.9 | 2.39 | 2.84 | 1.14 | 1.57 | 1.44 | 1.46 | 8.16 | 1.38 | 1.45 | 1.07 | 1.25 | 1.29 | 1.64 | 1.12 | 1.17 | 1.29 | 1.01 | 1.05 | 1.1 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 2.45 | 1.36 | 2.5 | 1.15 | 1.37 | 1.1 | 1.42 | 4.14 | 1.04 | 1.27 | 0.828 | 1.05 | 1.17 | 1.25 | 0.993 | 1.31 | 1.21 | 1.15 | 0.91 | 0.869 |
| Uranium-235 | pCi/g | **0.35** | | 0.0923 | 0.0959 | 0.135 | 0.0667 | 0.111 | 0.0189 U | 0.0881 | 0.175 | 0.039 U | 0.0862 | 0.0668 | 0.045 U | 0.0618 | 0.0736 | 0.0467 | 0.0858 | 0.0581 | 0.027 U | 0.0384 | 0.0357 U |
| Uranium-238 | pci/g | **1.4** | | **1.85** | 1.29 | **2.18** | 1.19 | 1.04 | 1.13 | **1.45** | **3.53** | 1.12 | 1.3 | 0.861 | 1.09 | 1.17 | **1.47** | 0.915 | 1.18 | 1.16 | 1.21 | 0.991 | 1.13 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
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**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | BD-9 | BD-9 | BD-9 | BD-9 | NW-1 | NW-10 | NW-10 | NW-10 | NW-10 | NW-11 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 19 | 19 | 28 | 28 | 4 | 4 | 9 | 9 | 0 | 19 | 30 | 4 | 9 | 19 | 13 | 28 | 4 | 4 | 19 |
| | | | End Depth | 20 | 20 | 29 | 29 | 5 | 5 | 10 | 10 | 0.5 | 20 | 31 | 5 | 10 | 20 | 14 | 29 | 5 | 5 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/2/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/26/2011 |
| | | | Parent Sample | BD-8-20_51195 | | BD-8-29_51321 | | BD-8-5_51197 | | BD-8-10_51194 | | | | | | | | | | NW-10-5_51093 | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **1.49** | **1.17** | **1.05** | **1.22** | **0.57** | **0.552** | **0.954** | **1.17** | **1.58** | **1.22** | **1.87** | **1.26** | **0.949** | **2.63** | **0.795** | **0.904** | **0.621** | **0.834** | **1.28** |
| Radium-228 | pCi/g | **0.041** | | **2.39** | **2.05** | **1.99** | 1.18 U | **2.46** | **1.43** | **2.01** | **2.16** | **1.95** | **2.19** | **1.63** | **2.18** | **1.9** | 1.6 U | **2.36** | **2.63** | **2.59** | 1.72 U | **1.78** |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **1.65** | **1.66** | **1.84** | **1.94** | **1.87** | **1.9** | **1.99** | **1.72** | **1.3** | **1.59** | **1.07** | **2.18** | **2.32** | **1.38** | **2.17** | **1.97** | **1.98** | **2.02** | **1.66** |
| Thorium-230 | pCi/g | **8.3** | | 1.26 | 1.42 | 1.49 | 1.62 | 1.32 | 1.07 | 1.14 | 0.957 | 1.13 | 1.19 | 3.53 | 1.23 | 1.4 | 2.59 | 1.52 | 1.64 | 1.11 | 1.04 | 1.5 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 1.17 | 1.09 | 1.47 | 1.35 | 0.905 | 1 | 1.13 | 1.04 | 0.903 | 1.31 | 2.74 | 1.08 | 1.21 | 2.86 | 1.5 | 1.33 | 0.835 | 0.865 | 1.75 |
| Uranium-235 | pCi/g | **0.35** | | 0.0659 | 0.058 | 0.0592 | 0.0658 | 0.0175 U | 0.0488 | 0.0595 | 0.0889 | 0.0574 | 0.0279 U | 0.0699 | 0.0831 | 0.0455 | 0.16 | 0.0643 | 0.0513 | 0.0543 | 0.0888 | 0.0828 |
| Uranium-238 | pci/g | **1.4** | | 1.16 | 1.16 | 1.31 | 1.36 | 0.972 | 1.04 | 1.19 | 1.21 | 1.02 | 1.28 | **2.08** | 1.05 | 1.18 | **2.53** | **1.41** | 1.37 | 0.995 | 1.04 | **1.47** |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
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**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-11 | NW-11 | NW-11 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-13 | NW-13 | NW-13 | NW-13 | NW-14 | NW-14 | NW-14 | NW-14 | NW-14 | NW-15 | NW-15 | NW-15 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 25 | 4 | 9 | 0 | 0.5 | 19 | 26 | 4 | 9 | 19 | 28 | 4 | 9 | 19 | 21 | 4 | 4 | 9 | 19 | 29 | 4 |
| | | | End Depth | 26 | 5 | 10 | 0.5 | 1.5 | 20 | 27 | 5 | 10 | 20 | 29 | 5 | 10 | 20 | 22 | 5 | 5 | 10 | 20 | 30 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/2/2011 | 5/2/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | NW-14-5_50969 | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **2.05** | **0.477** | **0.884** | **0.527** | **1.08** | **0.762** | **1.01** | **0.81** | **0.746** | **1.23** | **1** | **0.631** | **0.803** | **1.51** | **1.74** | **0.839** | **0.91** | **1.09** | **1.14** | **1.07** | **0.885** |
| Radium-228 | pCi/g | **0.041** | | **2.48** | 1.6 U | **2.05** | **2.36** | **2.29** | 1.48 U | **2.1** | **1.91** | **2.41** | **3.59** | **3.17** | 1.4 U | **2.41** | **1.52** | **2.01** | **2.37** | **2.3** | **2.25** | **2.62** | **2.03** | **2.53** |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **2.01 J-** | **1.83** | **1.85** | **1.91** | **2.18** | **2.06** | **1.7** | **1.8** | **1.79** | **1.48** | **1.62** | **1.91** | **1.82** | **1.86** | **2.28** | **2.04** | **1.79** | **1.77** | **1.64** | **1.88** | **1.76** |
| Thorium-230 | pCi/g | **8.3** | | 1.93 J- | 1.12 | 1.35 | 1.12 | 1.29 | 1.34 | 1.76 | 1.08 | 1.42 | 1.34 | 1.34 | 0.948 | 1.18 | 1.62 J+ | 1.72 J+ | 1.3 | 1.15 | 1.4 | 1.6 | 1.69 | 0.894 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 1.69 | 0.963 | 1.54 | 1.12 | 0.904 | 1.3 | 1.52 | 0.957 | 1.26 | 1.37 | 1.66 | 1.08 | 1.15 | 1.34 | 1.45 | 1.13 | 1.03 | 1.3 | 1.77 | 1.68 | 1.11 |
| Uranium-235 | pCi/g | **0.35** | | 0.065 | 0.0827 | 0.0538 | 0.0551 | 0.0626 | 0.0534 | 0.0819 | 0.028 U | 0.03 U | 0.0575 | 0.0466 | 0.0447 U | 0.0328 U | 0.0485 | 0.0755 | 0.00565 U | 0.0523 | 0.0522 U | 0.0759 | 0.0917 | 0.0167 U |
| Uranium-238 | pci/g | **1.4** | | **1.55** | 1.13 | 1.31 | 1.07 | 0.969 | 1.31 | **1.82** | 1.07 | 1.16 | 1.19 | 1.37 | 1.21 | 0.986 | 1.22 | 1.34 | 1.27 | 1.09 | 1.18 | **1.46** | **1.55** | 1.1 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-15 | NW-16 | NW-16 | NW-16 | NW-16 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-18 | NW-18 | NW-18 | NW-18 | NW-18 | NW-18 | NW-19 | NW-19 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 9 | 19 | 28 | 4 | 9 | 19 | 19 | 28 | 4 | 4 | 9 | 9 | 0 | 0.5 | 19 | 28 | 4 | 9 | 0 | 0.5 |
| | | | End Depth | 10 | 20 | 29 | 5 | 10 | 20 | 20 | 29 | 5 | 5 | 10 | 10 | 0.5 | 1.5 | 20 | 29 | 5 | 10 | 0.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/27/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | | | | | | NW-17-20_50984 | | | NW-17-5_51152 | | NW-17-10_50983 | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **0.625** | **1.11** | **0.778** | **0.659** | **0.813** | **0.899** | **0.92** | **1.14** | **0.832** | **0.714** | **0.926** | **0.883** | **0.96** | **0.937** | **1.18** | **1.02** | **1.12** | **0.6** | **0.911** | **0.737** |
| Radium-228 | pCi/g | **0.041** | | **1.67** | **1.73** | **1.8** | **2.06** | **2.24** | **0.921** | **1.33** | **1.68** | **1.88** | **1.76** | **1.34** | **2.13** | **2.21** | **1.54** | 1.64 U | **1.92** | **1.92** | 1.48 U | 1.72 U | 0.784 U |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **1.95** | **1.81** | **1.84** | **1.81** | **1.95** | **2.04** | **1.83** | **1.54** | **1.93** | **1.85** | **1.68** | **1.75** | **1.85** | **1.96** | **1.53** | **1.19 J-** | **1.76** | **1.92** | **1.98** | **2.09** |
| Thorium-230 | pCi/g | **8.3** | | 1.23 | 1.74 J+ | 1.69 J+ | 1.01 J+ | 1.23 J+ | 1.67 | 1.31 | 1.66 | 1.11 | 0.952 | 1.13 | 1.34 | 1.04 | 0.924 | 1.64 | 2.17 J- | 0.97 | 1.27 | 1.06 | 0.968 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 1.25 | 1.55 | 1.45 | 0.902 | 1.21 | 1.47 | 1.24 | 1.51 | 0.977 | 0.99 | 1.07 | 1.13 | 0.925 | 0.869 | 1.55 | 2.02 | 1.23 | 1.16 | 0.915 | 0.982 |
| Uranium-235 | pCi/g | **0.35** | | 0.0778 | 0.101 | 0.0736 | 0.0277 U | 0.0635 | 0.0992 | 0.0797 | 0.0747 | 0.0387 U | 0.107 | 0.0809 | 0.0346 U | 0.0657 | 0.0503 | 0.12 | 0.108 | 0.056 | 0.104 | 0.0302 U | 0.0569 |
| Uranium-238 | pci/g | **1.4** | | 1.18 | 1.32 | 1.38 | 1 | 1.05 | 1.4 | 1.1 | **1.45** | 0.91 | 0.865 | 0.99 | 1.1 | 1.05 | 0.968 | **1.47** | **1.97** | 1.05 | 1.19 | 1.03 | 1.07 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
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**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
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**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-19 | NW-19 | NW-19 | NW-19 | NW-2 | NW-3 | NW-3 | NW-3 | NW-3 | NW-4 | NW-4 | NW-4 | NW-4 | NW-4 | NW-4 | NW-5 | NW-5 | NW-5 | NW-6 | NW-6 | NW-6 | NW-6 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 19 | 29 | 4 | 9 | 19 | 10 | 20 | 27 | 4 | 0 | 0.5 | 10 | 20 | 28 | 4 | 19 | 20 | 9 | 0 | 0.5 | 12 | 22 |
| | | | End Depth | 20 | 30 | 5 | 10 | 20 | 11 | 21 | 28 | 5 | 0.5 | 1.5 | 11 | 21 | 29 | 5 | 20 | 21 | 10 | 0.5 | 1.5 | 13 | 23 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 4/26/2011 | 5/2/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **1.33** | **1.71** | **1.4** | **0.86** | **3.34** | **0.778** | **0.954** | **2.03** | **0.661** | **1.2** | **1** | **0.759** | **0.979** | **3.04** | **0.681** | **1.8** | **1.12** | **1.17** | **1.11** | **0.492** | **1.44** | **1.75** |
| Radium-228 | pCi/g | **0.041** | | 1.47 U | 0.565 U | **2.25** | 1.63 U | **1.79** | **2.75** | **3.2** | 1.73 U | **1.8** | **2.18** | 1.75 U | 1.27 U | 1.97 U | 1.17 U | **2.38** | **2.43** | **2.25** | **2.11** | **1.76** | **1.61** | 1.28 U | 1.54 U |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **1.74** | **2** | **1.76** | **1.8** | **1.43** | **2.07** | **1.69** | **1.2** | **2.07** | **1.51** | **2.08** | **1.85** | **2.01** | **1.64** | **1.92** | **1.92** | **1.9** | **1.58** | **1.62** | **1.57** | **1.98** | **1.63** |
| Thorium-230 | pCi/g | **8.3** | | 1.73 | 1.56 | 0.866 | 1.08 | 5.6 J+ | 1.3 | 1.56 | 3.87 | 1.13 | 0.892 | 1.17 | 1.55 | 2.02 | 4.24 | 1.14 | 2.28 | 1.94 J+ | 1.09 | 0.975 | 1.07 | 1.48 | 2.89 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 1.37 | 1.27 | 1.03 | 1 | 3.5 | 1.35 | 1.43 | 2.81 | 0.903 | 0.95 | 0.914 | 1.41 | 1.54 | 2.84 | 0.93 | 1.74 | 1.72 | 1.53 | 0.835 | 0.912 | 1.46 | 2.34 |
| Uranium-235 | pCi/g | **0.35** | | 0.0638 | 0.0764 | 0.0547 | 0.0915 | 0.178 | 0.0589 | 0.0533 | 0.134 | 0.0436 | 0.0816 | 0.0834 | 0.036 U | 0.0795 | 0.0612 | 0.0448 | 0.0337 U | 0.0731 | 0.101 | 0.0711 | 0.0178 U | 0.0431 | 0.128 |
| Uranium-238 | pci/g | **1.4** | | 1.14 | 1.28 | 0.8 | 1.07 | **3.29** | 1.18 | 1.33 | **2.56** | 0.987 | 0.936 | 0.91 | 1.29 | 1.35 | **2.7** | 1.04 | **1.64** | **1.56** | 1.24 | 1.02 | 0.931 | 1.39 | **2.37** |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-6. Soil Summary - Radionuclides**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-6 | NW-6 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-8 | NW-8 | NW-8 | NW-9 | NW-9 | NW-9 | SW-5 | SW-5 |
| | | | Sample Name | | | | | | | | | | | | | | | | |
| | | | Start Depth | 24 | 4 | 0 | 0.5 | 14 | 24 | 26 | 4 | 19 | 22 | 9 | 12 | 26 | 4 | 19 | 39 |
| | | | End Depth | 25 | 5 | 0.5 | 1.5 | 15 | 25 | 27 | 5 | 20 | 23 | 10 | 13 | 27 | 5 | 20 | 40 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/18/2011 | 5/18/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| Actinium-228 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-210M | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bismuth-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-134 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cesium-137 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-57 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cobalt-60 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS ALPHA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| GROSS BETA | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-212 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lead-214 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Potassium-40 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-231 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Protactinium-234m | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-224 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Radium-226 | pCi/g | **0.023** | | **1.88** | **0.906** | **0.992** | **0.669** | **0.802** | **0.853** | **1** | **0.582** | **1.54** | **2.29** | **0.819** | **1.08** | **1.33** | **0.457** | **1.18** | **0.902** |
| Radium-228 | pCi/g | **0.041** | | **2.62** | 1.17 U | **1.95** | **2.5** | **2.54** | 1.82 U | 1.89 U | **1.93** | **1.59** | **1.59** | **3.01** | **2.4** | **2.05** | 1.38 U | **1.56** | **1.17** |
| Thallium-208 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-227 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Thorium-228 | pCi/g | **0.025** | | **1.83** | **1.65** | **2.05** | **2.41** | **2.05** | **1.8** | **1.8** | **1.63** | **1.97** | **1.79** | **1.69** | **2.15** | **1.81** | **1.94** | **1.63** | **1.13** |
| Thorium-230 | pCi/g | **8.3** | | 2.6 | 1.09 | 1.04 | 1.28 | 1.32 | 1.68 | 1.79 | 0.921 | 1.43 | 1.61 | 1.34 | 1.48 | 1.7 | 0.993 | 1.36 | 1.82 |
| Thorium-234 | pCi/g | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uranium-234 | pCi/g | 110 | | 2.39 | 1.11 | 0.82 | 1.11 | 1.34 | 1.41 | 1.29 | 1.08 | 1.34 | 1.92 | 1.43 | 1.32 | 1.32 | 1.03 | 1.43 | 1.33 |
| Uranium-235 | pCi/g | **0.35** | | 0.0868 | 0.0443 | 0.0352 | 0.0602 | 0.038 U | 0.0709 | 0.0624 | 0.0263 U | 0.0784 | 0.109 | 0.119 | 0.0479 | 0.0915 | 0.069 | 0.0545 | 0.123 |
| Uranium-238 | pci/g | **1.4** | | **2.36** | 1.13 | 1.04 | 0.997 | 1.28 | **1.75** | 1.14 | 1.12 | 1.31 | **1.68** | 1.34 | 1.27 | **1.42** | 1.08 | 1.16 | **1.42** |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction w
U = analyte not detected above referenced laboratory lim
UJ = analyte not detected above referenced laboratory li
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

TABLE 6-7
ASBESTOS RESULTS (SURFACE SOIL) AND ANALYTICAL SENSITIVITIE
CSM Supplemental Investigation
Titanium Metals Corporation
Henderson, Nevada

| Sample ID | Depth (ft bgs) | Sample Type | Sample Date | Analytical Sensitivity ($10^6$ s/gPM$_{10}$) | Concentration Total Protocol Structures[1] | | Number of Protocol Structures[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chrysotile ($10^6$ s/gPM$_{10}$) | Amphibole ($10^6$ s/gPM$_{10}$) | Chrysotile | | Amphibole | |
| | | | | | | | Total | Long | Total | Long |
| NS-SS-1 | 0 | NORM | 11/18/13 | 2.98 | < 8.92 E+6 | **2.09 E+7** | 0 | 0 | **7** | **3** |
| NS-SS-3 | 0 | NORM | 11/18/13 | 2.99 | **2.69 E+7** | < 8.95 E+6 | **9** | **8** | 0 | 0 |
| NS-SS-5 | 0 | NORM | 11/18/13 | 3.00 | < 8.97 E+6 | < 8.97 E+6 | 0 | 0 | **2** | **1** |
| DD-B-1 | 0 | NORM | 11/18/13 | 3.00 | < 8.92 E+6 | **1.50 E+7** | 0 | 0 | **5** | **3** |
| DD-B-4 | 0 | NORM | 11/18/13 | 2.98 | < 8.92 E+6 | < 8.92 E+6 | 0 | 0 | 0 | 0 |
| DD-B-8 | 0 | NORM | 11/18/13 | 2.97 | < 8.90 E+6 | < 8.90 E+6 | 0 | 0 | 0 | 0 |
| DD-B-9 | 0 | NORM | 11/18/13 | 2.98 | < 8.92 E+6 | < 8.92 E+6 | **1** | **1** | 0 | 0 |
| FM-SS-2 | 0 | NORM | 11/18/13 | 2.98 | < 8.92 E+6 | < 8.92 E+6 | 0 | 0 | 0 | 0 |
| FM-SS-3 | 0 | NORM | 11/18/13 | 3.00 | < 8.96 E+6 | < 8.96 E+6 | 0 | 0 | 0 | 0 |
| FM-SS-3-DUP | 0 | FD | 11/18/13 | 2.96 | < 8.85 E+6 | < 8.85 E+6 | 0 | 0 | 0 | 0 |
| BY-SS-3 | 0 | NORM | 11/18/13 | 2.98 | < 8.90 E+6 | < 8.90 E+6 | 0 | 0 | 0 | 0 |
| J2-SS-2 | 0 | NORM | 11/18/13 | 2.98 | < 8.90 E+6 | < 8.90 E+6 | **1** | **1** | 0 | 0 |
| NE-B-3 | 0 | NORM | 11/18/13 | 2.96 | < 8.85 E+6 | < 8.85 E+6 | 0 | 0 | 0 | 0 |
| PA-SS-1 | 0 | NORM | 11/18/13 | 2.96 | < 8.86 E+6 | < 8.86 E+6 | **2** | **2** | 0 | 0 |
| PA-SS-8 | 0 | NORM | 11/18/13 | 2.97 | < 8.87 E+6 | < 8.87 E+6 | 0 | 0 | 0 | 0 |

[1]Fiber dimensions are presented in the respective analytical reports for each sample.
[2]Only long structures (>10µm) present a potential risk and are used for estimating asbestos risks. Total fiber concentrations are presented for informational purposes only. Protocol structures are structures longer than 10 µm and thinner than 0.4 µm.

**Table 6-8. Soil Summary - VOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | DrainageDitches | DrainageDitches | HP1 | HP1 | HP1 | HP1 | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | A9-B-2 | DD-B-11 | DD-B-12 | HP1-1 | HP1-4 | HP1-4 | HP1-6 | NE-B-6 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 10.0-11.5 | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 10.0-11.5 | A9-B-2 5-6.5 | DD-B-11 5-10 | DD-B-12 5-10 | HP1-1-2 | DUP 2 | HP1-4-2 | HP1-6-2 | NE-B-6 0-0.5 |
| | | | Start Depth | 0 | 0 | 10 | 5 | 0 | 10 | 5 | 5 | 5 | 1.8 | 0 | 1.9 | 2 | 0 |
| | | | End Depth | 0.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 10 | 10 | 2.3 | 0 | 2.5 | 2.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/20/2014 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 3/20/2014 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | | | | HP1-4-2_07/10/13 | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | mg/Kg | 20.3 | | 0.00038 U | 0.00038 R | 0.00038 U | 0.0004 R | 0.00039 R | 0.00041 U | 0.00049 U | 0.00036 U | 0.00042 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00033 U |
| 1,1,1-Trichloroethane | mg/Kg | 1390 | 2 | 0.00047 U | 0.00046 R | 0.00046 U | 0.00049 R | 0.00048 R | 0.00051 U | 0.0006 U | 0.00044 U | 0.00052 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0004 U |
| 1,1,2,2-Tetrachloroethane | mg/Kg | 2.59 | 0.004 | 0.00044 U | 0.00043 R | 0.00043 UJ | 0.00046 R | 0.00045 R | 0.00047 U | 0.00056 U | 0.00041 U | 0.00048 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00038 U |
| 1,1,2-Trichloroethane | mg/Kg | 5.8 | 0.018 | 0.00062 U | 0.00061 R | 0.00061 U | 0.00065 R | 0.00064 R | 0.00067 U | 0.0008 U | 0.00058 U | 0.00068 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00054 U |
| 1,1-Dichloroethane | mg/Kg | 23.3 | 20 | 0.00042 U | 0.00042 R | 0.00042 U | 0.00045 R | 0.00044 R | 0.00046 U | 0.00055 U | 0.0004 U | 0.00047 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00037 U |
| 1,1-Dichloroethene | mg/Kg | 1400 | 0.06 | 0.0018 U | 0.0017 R | 0.0017 U | 0.0018 R | 0.0018 R | 0.0019 U | 0.0023 U | 0.0016 U | 0.0019 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0015 U |
| 1,1-Dichloropropene | mg/Kg | | | 0.00033 U | 0.00032 R | 0.00032 U | 0.00034 R | 0.00033 R | 0.00035 U | 0.00042 U | 0.00031 U | 0.00036 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00028 U |
| 1,2,3-Trichlorobenzene | mg/Kg | | | 0.00048 U | 0.00047 R | 0.00047 UJ | 0.00051 R | 0.00049 R | 0.00052 U | 0.00062 U | 0.00045 U | 0.00053 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00041 U |
| 1,2,3-Trichloropropane | mg/Kg | 0.11 | | 0.00061 U | 0.0006 R | 0.0006 UJ | 0.00064 R | 0.00062 R | 0.00066 U | 0.00079 U | 0.00057 U | 0.00067 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00053 U |
| 1,2,4-Trichlorobenzene | mg/Kg | 110 | 6 | 0.00047 U | 0.00046 R | 0.00046 UJ | 0.00049 R | 0.00048 R | 0.00051 U | 0.0006 U | 0.00044 U | 0.00052 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0004 U |
| 1,2,4-Trimethylbenzene | mg/Kg | 671 | | 0.00065 U | 0.00065 R | 0.00064 UJ | 0.00069 R | 0.00067 R | 0.00071 U | 0.00084 U | 0.00061 U | 0.00072 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00056 U |
| 1,2-Dichlorobenzene | mg/Kg | 373 | 18 | 0.0003 U | 0.0003 R | 0.0003 UJ | 0.00032 R | 0.00031 R | 0.00033 U | 0.00039 U | 0.00028 U | 0.00034 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00026 U |
| 1,2-Dichloroethane | mg/Kg | 2.41 | 0.02 | 0.00095 U | 0.00094 R | 0.00093 U | 0.001 R | 0.00097 R | 0.001 U | 0.0012 U | 0.00088 U | 0.001 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00082 U |
| 1,2-Dichloropropane | mg/Kg | 4.54 | 0.02 | 0.00041 U | 0.00041 R | 0.00041 U | 0.00044 R | 0.00042 R | 0.00045 U | 0.00053 U | 0.00039 U | 0.00046 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00036 U |
| 1,3,5-Trimethylbenzene | mg/Kg | 254 | | 0.00034 U | 0.00033 R | 0.00033 UJ | 0.00036 R | 0.00035 R | 0.00037 U | 0.00044 U | 0.00032 U | 0.00037 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00029 U |
| 1,3-Dichlorobenzene | mg/Kg | 373 | | 0.0003 U | 0.0003 R | 0.0003 UJ | 0.00032 R | 0.00031 R | 0.00033 U | 0.00039 U | 0.00028 U | 0.00034 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00026 U |
| 1,3-Dichloropropane | mg/Kg | 71.6 | 0.02 | 0.00035 U | 0.00034 R | 0.00034 U | 0.00037 R | 0.00036 R | 0.00038 U | 0.00045 U | 0.00033 U | 0.00038 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0003 U |
| 1,4-Dichlorobenzene | mg/Kg | 14.3 | 2 | 0.00065 U | 0.00065 R | 0.00064 UJ | 0.00069 R | 0.00067 R | 0.00071 U | 0.00084 U | 0.00061 U | 0.00072 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00056 U |
| 2,2-Dichloropropane | mg/Kg | | | 0.00059 U | 0.00058 R | 0.00058 U | 0.00062 R | 0.0006 R | 0.00064 U | 0.00076 U | 0.00055 U | 0.00065 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00051 U |
| 2-Chlorotoluene (o-Chlorotoluene) | mg/Kg | 511 | | 0.00037 U | 0.00037 R | 0.00036 UJ | 0.00039 R | 0.00038 R | 0.0004 U | 0.00048 U | 0.00035 U | 0.00041 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00032 U |
| 2-Hexanone | mg/Kg | 2150 | | 0.0019 U | 0.0019 R | 0.0019 U | 0.002 R | 0.002 R | 0.0021 U | 0.0025 U | 0.0018 U | 0.0021 U | 0.022 UJ- | 0.021 UJ- | 0.021 UJ- | 0.021 UJ- | 0.0047 J |
| 4-Chlorotoluene (p-Chlorotoluene) | mg/Kg | | | 0.00041 U | 0.00041 R | 0.00041 UJ | 0.00044 R | 0.00042 R | 0.00045 U | 0.00053 U | 0.00039 U | 0.00046 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00036 U |
| 4-Isopropyltoluene | mg/Kg | 647 | | 0.00035 U | 0.00034 R | 0.00034 UJ | 0.00037 R | 0.00036 R | 0.00038 U | 0.00045 U | 0.00033 U | 0.00038 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0003 U |
| 4-Methyl-2-pentanone (MIBK) | mg/Kg | 17200 | | 0.00079 U | 0.00079 R | 0.00078 U | 0.00084 R | 0.00081 R | 0.00086 U | 0.001 U | 0.00074 U | 0.00088 U | 0.022 UJ- | 0.021 UJ- | 0.021 UJ- | 0.021 UJ- | 0.00069 U |
| Acetone | mg/Kg | 100000 | 16 | 0.1 J+ | 0.007 R | 0.0069 U | 0.0074 R | 0.68 J | 0.014 J | 0.014 J | 0.014 J | 0.017 J | 0.0087 J | 0.018 J | 0.019 J | 0.0096 J | 0.067 J+ |
| Acetonitrile | mg/Kg | 6840 | | 0.022 R | 0.022 R | 0.022 R | 0.023 R | 0.023 R | 0.024 R | 0.029 R | 0.021 R | 0.025 R | 0.054 R | 0.052 R | 0.053 R | 0.053 R | 0.019 R |
| Benzene | mg/Kg | 4.5 | 0.04 | 0.00027 U | 0.00027 R | 0.00027 U | 0.00029 R | 0.00028 R | 0.00029 U | 0.00035 U | 0.00025 U | 0.0003 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00024 U |
| Bromobenzene | mg/Kg | 695 | | 0.0004 U | 0.0004 R | 0.0004 UJ | 0.00042 R | 0.00041 R | 0.00044 U | 0.00052 U | 0.00038 U | 0.00044 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00035 U |
| Bromochloromethane | mg/Kg | | | 0.00089 U | 0.00088 R | 0.00088 U | 0.00094 R | 0.00092 R | 0.00097 U | 0.0012 U | 0.00083 U | 0.00099 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00077 U |
| Bromodichloromethane | mg/Kg | 3.6 | 0.6 | 0.00027 U | 0.00027 R | 0.00027 U | 0.00029 R | 0.00028 R | 0.00029 U | 0.00035 U | 0.00025 U | 0.0003 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00024 U |
| Bromoform | mg/Kg | 242 | 0.8 | 0.0004 U | 0.0004 R | 0.0004 UJ | 0.00042 R | 0.00041 R | 0.00044 U | 0.00052 U | 0.00038 U | 0.00044 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00035 U |
| Bromomethane | mg/Kg | 42.9 | 0.2 | 0.0012 U | 0.0012 R | 0.0012 UJ | 0.0013 R | 0.0012 R | 0.0013 UJ | 0.0015 UJ | 0.0011 U | 0.0013 UJ | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.001 UJ |
| Carbon disulfide | mg/Kg | 721 | 40 | 0.00075 U | 0.00074 R | 0.00074 U | 0.00079 R | 0.00077 R | 0.00081 U | 0.00097 U | 0.0007 U | 0.00083 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00065 U |
| Carbon tetrachloride | mg/Kg | 4.07 | 0.06 | 0.00055 U | 0.00055 R | 0.00055 U | 0.00097 J | 0.00057 R | 0.0006 U | 0.00072 U | 0.00052 U | 0.00061 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00048 U |
| Chlorobenzene | mg/Kg | 695 | 1.4 | 0.00041 U | 0.00041 R | 0.00041 U | 0.00044 R | 0.00042 R | 0.00045 U | 0.00053 U | 0.00039 U | 0.00046 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00036 U |
| Chloroethane | mg/Kg | 1100 | | 0.00057 U | 0.00056 R | 0.00056 U | 0.0006 R | 0.00058 R | 0.00061 U | 0.00073 U | 0.00053 U | 0.00062 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00049 U |
| Chloroform | mg/Kg | 1.71 | 0.6 | 0.0011 J | 0.0031 J | 0.0016 J | 0.0038 J | 0.00042 R | 0.012 | 0.0063 J | 0.00063 J | 0.00046 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00036 U |
| Chloromethane | mg/Kg | 8.95 | | 0.00071 U | 0.0007 R | 0.0007 U | 0.00075 R | 0.00073 R | 0.00077 U | 0.00091 U | 0.00066 U | 0.00078 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00061 U |
| cis-1,2-Dichloroethene | mg/Kg | 791 | 0.4 | 0.00065 U | 0.00065 R | 0.00064 U | 0.00069 R | 0.00067 R | 0.00071 U | 0.00084 U | 0.00061 U | 0.00072 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00056 U |
| cis-1,3-Dichloropropene | mg/Kg | | | 0.00065 U | 0.00065 R | 0.00064 U | 0.00069 R | 0.00067 R | 0.00071 U | 0.00084 U | 0.00061 U | 0.00072 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00056 U |
| Dibromochloromethane | mg/Kg | 6.15 | 0.4 | 0.00045 U | 0.00044 R | 0.00044 U | 0.00047 R | 0.00046 R | 0.00048 U | 0.00058 U | 0.00042 U | 0.00049 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00039 U |
| Dibromomethane | mg/Kg | 210 | | 0.0011 U | 0.001 R | 0.001 U | 0.0011 R | 0.0011 R | 0.0011 U | 0.0014 U | 0.00099 U | 0.0012 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00091 U |
| Dichlorodifluoromethane (Freon 12) | mg/Kg | 340 | | 0.0014 U | 0.0014 R | 0.0014 UJ | 0.0015 R | 0.0015 R | 0.0015 U | 0.0018 UJ | 0.0013 U | 0.0016 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0012 U |
| Ethanol | mg/Kg | 100000 | | 0.067 R | 0.066 R | 0.066 R | 0.07 R | 0.069 R | 0.072 R | 0.086 R | 0.062 R | 0.074 R | 0.22 R | 0.21 R | 0.21 R | 0.21 R | 0.058 R |
| Ethylbenzene | mg/Kg | 21 | 14 | 0.00033 U | 0.00032 R | 0.00032 U | 0.00034 R | 0.00079 J | 0.00035 U | 0.00042 U | 0.00031 U | 0.00036 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00028 U |
| Iodomethane | mg/Kg | 1680 | | 0.0016 U | 0.0016 R | 0.0016 U | 0.0017 R | 0.0017 R | 0.0018 U | 0.0021 U | 0.0015 U | 0.0018 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0014 U |
| Isopropyl benzene | mg/Kg | 647 | | 0.00028 U | 0.00028 R | 0.00028 UJ | 0.0003 R | 0.00029 R | 0.00031 U | 0.00037 U | 0.00026 U | 0.00031 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00024 U |
| m/p-Xylene | mg/Kg | | | 0.00062 U | 0.00078 J | 0.00061 U | 0.00065 R | 0.0038 J | 0.00067 U | 0.0008 U | 0.00058 U | 0.00068 U | -- | -- | -- | -- | 0.00054 U |
| Methyl ethyl ketone (2-Butanone) | mg/Kg | 34100 | | 0.0069 J | 0.0021 R | 0.0021 U | 0.0022 R | 0.0021 R | 0.0023 U | 0.0027 U | 0.002 U | 0.0023 U | 0.022 UJ- | 0.021 UJ- | 0.021 UJ- | 0.021 UJ- | 0.016 J |

**Table 6-8. Soil Summary - VOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | Area9 | DrainageDitches | DrainageDitches | HP1 | HP1 | HP1 | HP1 | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | A9-B-2 | DD-B-11 | DD-B-12 | HP1-1 | HP1-4 | HP1-4 | HP1-6 | NE-B-6 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 10.0-11.5 | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 10.0-11.5 | A9-B-2 5-6.5 | DD-B-11 5-10 | DD-B-12 5-10 | HP1-1-2 | DUP 2 | HP1-4-2 | HP1-6-2 | NE-B-6 0-0.5 |
| | | | Start Depth | 0 | 0 | 10 | 5 | 0 | 10 | 5 | 5 | 5 | 1.8 | 0 | 1.9 | 2 | 0 |
| | | | End Depth | 0.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 10 | 10 | 2.3 | 0 | 2.5 | 2.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/20/2014 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 3/20/2014 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | | | | HP1-4-2_07/10/13 | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | mg/Kg | 216 | | 0.00052 U | 0.00052 R | 0.00052 U | 0.00055 R | 0.00054 R | 0.00057 U | 0.00067 U | 0.00049 U | 0.00058 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00045 U |
| Methylene chloride | mg/Kg | 60.4 | 0.02 | 0.0017 U | 0.0017 R | 0.0017 U | 0.0018 R | 0.0018 R | 0.0019 U | 0.0022 U | 0.0016 U | 0.0019 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0015 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.00053 U | 0.00053 R | 0.00053 UJ | 0.00056 R | 0.00055 R | 0.00058 U | 0.00069 U | 0.0005 U | 0.00059 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0044 J |
| n-Butylbenzene | mg/Kg | 237 | | 0.00065 U | 0.00065 R | 0.00064 UJ | 0.00069 R | 0.00067 R | 0.00071 U | 0.00084 U | 0.00061 U | 0.00072 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00056 U |
| n-Propylbenzene | mg/Kg | 237 | | 0.00035 U | 0.00034 R | 0.00034 UJ | 0.00037 R | 0.00036 R | 0.00038 U | 0.00045 U | 0.00033 U | 0.00038 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0003 U |
| o-Xylene | mg/Kg | 282 | 180 | 0.00037 U | 0.00037 R | 0.00036 U | 0.00039 R | 0.0015 J | 0.0004 U | 0.00048 U | 0.00035 U | 0.00041 U | -- | -- | -- | -- | 0.00032 U |
| sec-Butylbenzene | mg/Kg | 223 | | 0.00034 U | 0.00033 R | 0.00033 UJ | 0.00036 R | 0.00035 R | 0.00037 U | 0.00044 U | 0.00032 U | 0.00037 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00029 U |
| Styrene | mg/Kg | 1730 | 4 | 0.00038 U | 0.00038 R | 0.00038 U | 0.0004 R | 0.00039 R | 0.00041 U | 0.00049 U | 0.00036 U | 0.00042 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00033 U |
| tert-Butylbenzene | mg/Kg | 393 | | 0.00034 U | 0.00033 R | 0.00033 UJ | 0.00036 R | 0.00035 R | 0.00037 U | 0.00044 U | 0.00032 U | 0.00037 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00029 U |
| Tetrachloroethene (PCE) | mg/Kg | 3.28 | 0.06 | 0.00035 U | 0.00034 R | 0.00034 U | 0.00037 R | 0.00036 R | 0.00038 U | 0.00045 U | 0.00033 U | 0.00038 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0003 U |
| Toluene | mg/Kg | 521 | 12 | 0.00076 U | 0.00075 R | 0.00075 U | 0.0008 R | 0.00078 R | 0.00082 U | 0.00098 U | 0.00071 U | 0.00084 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00066 U |
| Total Xylene | mg/Kg | 214 | 200 | 0.00092 U | 0.00092 R | 0.00091 U | 0.00098 R | 0.0053 J | 0.001 U | 0.0012 U | 0.00086 U | 0.001 U | 0.01 UJ- | 0.01 UJ- | 0.01 UJ- | 0.01 UJ- | 0.0008 U |
| trans-1,2-Dichloroethene | mg/Kg | 600 | 0.6 | 0.001 U | 0.001 R | 0.001 U | 0.0011 R | 0.001 R | 0.0011 U | 0.0013 U | 0.00096 U | 0.0011 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00088 U |
| trans-1,3-Dichloropropene | mg/Kg | | | 0.00038 U | 0.00038 R | 0.00038 U | 0.0004 R | 0.00039 R | 0.00041 U | 0.00049 U | 0.00036 U | 0.00042 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00033 U |
| Trichloroethene (TCE) | mg/Kg | 5.49 | 0.06 | 0.00042 U | 0.00042 R | 0.00042 U | 0.00045 R | 0.00044 R | 0.00046 U | 0.00055 U | 0.0004 U | 0.00047 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00037 U |
| Trichlorofluoromethane (Freon 11) | mg/Kg | 1980 | | 0.00054 U | 0.00054 R | 0.00054 U | 0.00057 R | 0.00056 R | 0.00059 U | 0.0007 U | 0.00051 U | 0.0006 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.00047 U |
| Vinyl acetate | mg/Kg | 2710 | 160 | 0.00085 U | 0.00084 R | 0.00084 U | 0.0009 R | 0.00087 R | 0.00092 U | 0.0011 U | 0.00079 U | 0.00094 U | 0.022 UJ- | 0.021 UJ- | 0.021 UJ- | 0.021 UJ- | 0.00073 U |
| Vinyl chloride | mg/Kg | 1.86 | 0.014 | 0.00047 U | 0.00046 R | 0.00046 U | 0.00049 R | 0.00048 R | 0.00051 U | 0.0006 U | 0.00044 U | 0.00052 U | 0.0054 UJ- | 0.0052 UJ- | 0.0053 UJ- | 0.0053 UJ- | 0.0004 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**

**Table 6-8. Soil Summary - VOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NE-B-7 | PP-B-3 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | PP-B-4 |
| | | | Sample Name | NE-B-6 10.0-11.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 10.0-11.5 | NE-B-7 5.0-6.5 | PP-B-3 0-0.5 | PP-B-3 10.0-11.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 10.0-11.5 | PP-B-4 5.0-6.5 |
| | | | Start Depth | 10 | 5 | 0 | 10 | 5 | 0 | 10 | 5 | 0 | 10 | 5 |
| | | | End Depth | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | mg/Kg | 20.3 | | 0.00043 U | 0.00038 U | 0.00037 U | 0.00035 R | 0.00037 U | 0.00033 U | 0.00039 U | 0.00036 U | 0.00038 U | 0.00038 U | 0.00045 U |
| 1,1,1-Trichloroethane | mg/Kg | 1390 | 2 | 0.00053 U | 0.00047 U | 0.00045 U | 0.00042 R | 0.00045 U | 0.0004 U | 0.00048 U | 0.00044 U | 0.00047 U | 0.00047 U | 0.00055 U |
| 1,1,2,2-Tetrachloroethane | mg/Kg | 2.59 | 0.004 | 0.00049 U | 0.00044 U | 0.00042 UJ | 0.00039 R | 0.00042 U | 0.00037 U | 0.00044 U | 0.00041 U | 0.00044 U | 0.00044 U | 0.00051 U |
| 1,1,2-Trichloroethane | mg/Kg | 5.8 | 0.018 | 0.0007 U | 0.00062 U | 0.0006 U | 0.00056 R | 0.0006 U | 0.00053 U | 0.00063 U | 0.00059 U | 0.00062 U | 0.00062 U | 0.00073 U |
| 1,1-Dichloroethane | mg/Kg | 23.3 | 20 | 0.00048 U | 0.00043 U | 0.00041 U | 0.00038 R | 0.00041 U | 0.00037 U | 0.00043 U | 0.0004 U | 0.00043 U | 0.00042 U | 0.0005 U |
| 1,1-Dichloroethene | mg/Kg | 1400 | 0.06 | 0.002 U | 0.0018 U | 0.0017 U | 0.0016 R | 0.0017 U | 0.0015 U | 0.0018 U | 0.0017 U | 0.0018 U | 0.0018 U | 0.0021 U |
| 1,1-Dichloropropene | mg/Kg | | | 0.00037 U | 0.00033 U | 0.00032 U | 0.0003 R | 0.00032 U | 0.00028 U | 0.00033 U | 0.00031 U | 0.00033 U | 0.00033 U | 0.00038 U |
| 1,2,3-Trichlorobenzene | mg/Kg | | | 0.00054 U | 0.00048 U | 0.00046 UJ | 0.00043 R | 0.00046 U | 0.00041 U | 0.00049 U | 0.00045 U | 0.00048 U | 0.00048 U | 0.00056 U |
| 1,2,3-Trichloropropane | mg/Kg | 0.11 | | 0.00069 U | 0.00061 U | 0.00059 UJ | 0.00055 R | 0.00059 U | 0.00052 U | 0.00062 U | 0.00058 U | 0.00061 U | 0.00061 U | 0.00072 U |
| 1,2,4-Trichlorobenzene | mg/Kg | 110 | 6 | 0.00053 U | 0.00047 U | 0.00045 UJ | 0.00042 R | 0.00045 U | 0.0004 U | 0.00048 U | 0.00044 U | 0.00047 U | 0.00047 U | 0.00055 U |
| 1,2,4-Trimethylbenzene | mg/Kg | 671 | | 0.00074 U | 0.00065 U | 0.00063 UJ | 0.00059 R | 0.00063 U | 0.00056 U | 0.00066 U | 0.00062 U | 0.00066 U | 0.00065 U | 0.00077 U |
| 1,2-Dichlorobenzene | mg/Kg | 373 | 18 | 0.00034 U | 0.00031 U | 0.00029 UJ | 0.00028 R | 0.00029 U | 0.00026 U | 0.00031 U | 0.00029 U | 0.00031 U | 0.00031 U | 0.00036 U |
| 1,2-Dichloroethane | mg/Kg | 2.41 | 0.02 | 0.0011 U | 0.00095 U | 0.00092 U | 0.00086 R | 0.00091 U | 0.00081 U | 0.00096 U | 0.0009 U | 0.00095 U | 0.00095 U | 0.0011 U |
| 1,2-Dichloropropane | mg/Kg | 4.54 | 0.02 | 0.00047 U | 0.00041 U | 0.0004 U | 0.00037 R | 0.0004 U | 0.00036 U | 0.00042 U | 0.00039 U | 0.00042 U | 0.00041 U | 0.00049 U |
| 1,3,5-Trimethylbenzene | mg/Kg | 254 | | 0.00038 U | 0.00034 U | 0.00033 UJ | 0.00031 R | 0.00033 U | 0.00029 U | 0.00034 U | 0.00032 U | 0.00034 U | 0.00034 U | 0.0004 U |
| 1,3-Dichlorobenzene | mg/Kg | 373 | | 0.00034 U | 0.00031 U | 0.00029 UJ | 0.00028 R | 0.00029 U | 0.00026 U | 0.00031 U | 0.00029 U | 0.00031 U | 0.00031 U | 0.00036 U |
| 1,3-Dichloropropane | mg/Kg | 71.6 | 0.02 | 0.00039 U | 0.00035 U | 0.00034 U | 0.00032 R | 0.00034 U | 0.0003 U | 0.00035 U | 0.00033 U | 0.00035 U | 0.00035 U | 0.00041 U |
| 1,4-Dichlorobenzene | mg/Kg | 14.3 | 2 | 0.00074 U | 0.00065 U | 0.00063 UJ | 0.00059 R | 0.00063 U | 0.00056 U | 0.00066 U | 0.00062 U | 0.00066 U | 0.00065 U | 0.00077 U |
| 2,2-Dichloropropane | mg/Kg | | | 0.00066 U | 0.00059 U | 0.00057 U | 0.00053 R | 0.00057 U | 0.00051 U | 0.0006 U | 0.00056 U | 0.00059 U | 0.00059 U | 0.00069 U |
| 2-Chlorotoluene (o-Chlorotoluene) | mg/Kg | 511 | | 0.00042 U | 0.00037 U | 0.00036 UJ | 0.00034 R | 0.00036 U | 0.00032 U | 0.00038 U | 0.00035 U | 0.00037 U | 0.00037 U | 0.00044 U |
| 2-Hexanone | mg/Kg | 2150 | | 0.0022 U | 0.0019 U | 0.0019 U | 0.0017 R | 0.0019 U | 0.0017 U | 0.002 U | 0.0018 U | 0.0019 U | 0.0019 U | 0.0023 U |
| 4-Chlorotoluene (p-Chlorotoluene) | mg/Kg | | | 0.00047 U | 0.00041 U | 0.0004 UJ | 0.00037 R | 0.0004 U | 0.00036 U | 0.00042 U | 0.00039 U | 0.00042 U | 0.00041 U | 0.00049 U |
| 4-Isopropyltoluene | mg/Kg | 647 | | 0.00039 U | 0.00035 U | 0.00034 UJ | 0.00032 R | 0.00034 U | 0.0003 U | 0.00035 U | 0.00033 U | 0.00035 U | 0.00035 U | 0.00041 U |
| 4-Methyl-2-pentanone (MIBK) | mg/Kg | 17200 | | 0.0009 U | 0.0008 U | 0.00077 U | 0.00072 R | 0.00077 U | 0.00068 U | 0.00081 U | 0.00075 U | 0.0008 U | 0.0008 U | 0.00093 U |
| Acetone | mg/Kg | 100000 | 16 | 0.029 J+ | 0.049 J+ | 0.079 J+ | 0.0064 R | 0.028 J+ | 0.015 J | 0.014 J | 0.024 J+ | 0.048 J+ | 0.03 J+ | 0.015 J |
| Acetonitrile | mg/Kg | 6840 | | 0.025 R | 0.022 R | 0.021 R | 0.02 R | 0.021 R | 0.019 R | 0.023 R | 0.021 R | 0.022 R | 0.022 R | 0.026 R |
| Benzene | mg/Kg | 4.5 | 0.04 | 0.00031 U | 0.0021 J | 0.00091 J | 0.00025 R | 0.00026 U | 0.00068 J | 0.00028 U | 0.00026 U | 0.0011 J | 0.00027 U | 0.00032 U |
| Bromobenzene | mg/Kg | 695 | | 0.00046 U | 0.0004 U | 0.00039 UJ | 0.00036 R | 0.00039 U | 0.00035 U | 0.00041 U | 0.00038 U | 0.00041 U | 0.0004 U | 0.00047 U |
| Bromochloromethane | mg/Kg | | | 0.001 U | 0.00089 U | 0.00086 U | 0.00081 R | 0.00086 U | 0.00077 U | 0.00091 U | 0.00085 U | 0.0009 U | 0.00089 U | 0.0011 U |
| Bromodichloromethane | mg/Kg | 3.6 | 0.6 | 0.00031 U | 0.00027 U | 0.00026 U | 0.00025 R | 0.00026 U | 0.00023 U | 0.00028 U | 0.00026 U | 0.00027 U | 0.00027 U | 0.00032 U |
| Bromoform | mg/Kg | 242 | 0.8 | 0.00046 U | 0.0004 U | 0.00039 UJ | 0.00036 R | 0.00039 U | 0.00035 U | 0.00041 U | 0.00038 U | 0.00041 U | 0.0004 U | 0.00047 U |
| Bromomethane | mg/Kg | 42.9 | 0.2 | 0.0014 UJ | 0.0012 UJ | 0.0012 UJ | 0.0011 R | 0.0012 UJ | 0.001 UJ | 0.0012 U | 0.0011 U | 0.0012 UJ | 0.0012 U | 0.0014 U |
| Carbon disulfide | mg/Kg | 721 | 40 | 0.00085 U | 0.00075 U | 0.00073 U | 0.00068 R | 0.00073 U | 0.00065 U | 0.00076 U | 0.00071 U | 0.00076 U | 0.00075 U | 0.00088 U |
| Carbon tetrachloride | mg/Kg | 4.07 | 0.06 | 0.00063 U | 0.00056 U | 0.00054 U | 0.0005 R | 0.00054 U | 0.00048 U | 0.00056 U | 0.00053 U | 0.00056 U | 0.00056 U | 0.00065 U |
| Chlorobenzene | mg/Kg | 695 | 1.4 | 0.00047 U | 0.00041 U | 0.0004 U | 0.00037 R | 0.0004 U | 0.00036 U | 0.00042 U | 0.00039 U | 0.00042 U | 0.00041 U | 0.00049 U |
| Chloroethane | mg/Kg | 1100 | | 0.00064 U | 0.00057 U | 0.00055 U | 0.00051 R | 0.00055 U | 0.00049 U | 0.00058 U | 0.00054 U | 0.00057 U | 0.00057 U | 0.00067 U |
| Chloroform | mg/Kg | 1.71 | 0.6 | 0.00047 U | 0.00041 U | 0.0004 U | 0.00037 R | 0.0004 U | 0.00036 U | 0.00042 U | 0.00039 U | 0.00042 U | 0.00041 U | 0.00049 U |
| Chloromethane | mg/Kg | 8.95 | | 0.0008 U | 0.00071 U | 0.00068 U | 0.00064 R | 0.00068 U | 0.00061 U | 0.00072 U | 0.00067 U | 0.00071 U | 0.00071 U | 0.00083 U |
| cis-1,2-Dichloroethene | mg/Kg | 791 | 0.4 | 0.00074 U | 0.00065 U | 0.00063 U | 0.00059 R | 0.00063 U | 0.00056 U | 0.00066 U | 0.00062 U | 0.00066 U | 0.00065 U | 0.00077 U |
| cis-1,3-Dichloropropene | mg/Kg | | | 0.00074 U | 0.00065 U | 0.00063 U | 0.00059 R | 0.00063 U | 0.00056 U | 0.00066 U | 0.00062 U | 0.00066 U | 0.00065 U | 0.00077 U |
| Dibromochloromethane | mg/Kg | 6.15 | 0.4 | 0.0005 U | 0.00045 U | 0.00043 U | 0.0004 R | 0.00043 U | 0.00038 U | 0.00045 U | 0.00042 U | 0.00045 U | 0.00045 U | 0.00053 U |
| Dibromomethane | mg/Kg | 210 | | 0.0012 U | 0.0011 U | 0.001 U | 0.00096 R | 0.001 U | 0.00091 U | 0.0011 U | 0.001 U | 0.0011 U | 0.0011 U | 0.0012 U |
| Dichlorodifluoromethane (Freon 12) | mg/Kg | 340 | | 0.0016 U | 0.0014 U | 0.0014 U | 0.0013 R | 0.0014 U | 0.0012 UJ | 0.0015 U | 0.0014 U | 0.0014 UJ | 0.0014 U | 0.0017 U |
| Ethanol | mg/Kg | 100000 | | 0.076 R | 0.067 R | 0.065 R | 0.061 R | 0.064 R | 0.057 R | 0.068 R | 0.063 R | 0.067 R | 0.067 R | 0.079 R |
| Ethylbenzene | mg/Kg | 21 | 14 | 0.00037 U | 0.00033 U | 0.00032 U | 0.0003 R | 0.00032 U | 0.00028 J | 0.00033 U | 0.00031 U | 0.00033 U | 0.00033 U | 0.00038 U |
| Iodomethane | mg/Kg | 1680 | | 0.0019 U | 0.0016 U | 0.0016 U | 0.0015 R | 0.0016 U | 0.0014 U | 0.0017 U | 0.0016 U | 0.0017 U | 0.0016 U | 0.0019 U |
| Isopropyl benzene | mg/Kg | 647 | | 0.00032 U | 0.00028 U | 0.00027 UJ | 0.00026 R | 0.00027 U | 0.00024 U | 0.00029 U | 0.00027 U | 0.00028 U | 0.00028 U | 0.00033 U |
| m/p-Xylene | mg/Kg | | | 0.0007 U | 0.00062 U | 0.0006 U | 0.00056 R | 0.0006 U | 0.00053 U | 0.00063 U | 0.00059 U | 0.00062 U | 0.00062 U | 0.00073 U |
| Methyl ethyl ketone (2-Butanone) | mg/Kg | 34100 | | 0.0024 U | 0.0095 J | 0.013 J | 0.0019 R | 0.002 U | 0.0018 U | 0.0021 U | 0.002 U | 0.0098 J | 0.0021 U | 0.0025 U |

**Table 6-8. Soil Summary - VOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NE-B-7 | PP-B-3 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | PP-B-4 |
| | | | Sample Name | NE-B-6 10.0-11.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 10.0-11.5 | NE-B-7 5.0-6.5 | PP-B-3 0-0.5 | PP-B-3 10.0-11.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 10.0-11.5 | PP-B-4 5.0-6.5 |
| | | | Start Depth | 10 | 5 | 0 | 10 | 5 | 0 | 10 | 5 | 0 | 10 | 5 |
| | | | End Depth | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 | 0.5 | 11.5 | 6.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | mg/Kg | 216 | | 0.00059 U | 0.00052 U | 0.00051 U | 0.00047 R | 0.0005 U | 0.00045 U | 0.00053 U | 0.0005 U | 0.00053 U | 0.00052 U | 0.00061 U |
| Methylene chloride | mg/Kg | 60.4 | 0.02 | 0.0019 U | 0.0017 U | 0.0017 U | 0.0016 R | 0.0017 U | 0.0015 U | 0.0017 U | 0.0016 U | 0.0017 U | 0.0017 U | 0.002 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.0006 U | 0.00053 U | 0.00052 UJ | 0.00048 R | 0.00051 U | 0.00046 U | 0.00054 U | 0.00051 U | 0.00054 U | 0.00053 U | 0.00063 U |
| n-Butylbenzene | mg/Kg | 237 | | 0.00074 U | 0.00065 U | 0.00063 UJ | 0.00059 R | 0.00063 U | 0.00056 U | 0.00066 U | 0.00062 U | 0.00066 U | 0.00065 U | 0.00077 U |
| n-Propylbenzene | mg/Kg | 237 | | 0.00039 U | 0.00035 U | 0.00034 UJ | 0.00032 R | 0.00034 U | 0.0003 U | 0.00035 U | 0.00033 U | 0.00035 U | 0.00035 U | 0.00041 U |
| o-Xylene | mg/Kg | 282 | 180 | 0.00042 U | 0.00037 U | 0.00036 U | 0.00034 R | 0.00036 U | 0.00032 U | 0.00038 U | 0.00035 U | 0.00037 U | 0.00037 U | 0.00044 U |
| sec-Butylbenzene | mg/Kg | 223 | | 0.00038 U | 0.00034 U | 0.00033 UJ | 0.00031 R | 0.00033 U | 0.00029 U | 0.00034 U | 0.00032 U | 0.00034 U | 0.00034 U | 0.0004 U |
| Styrene | mg/Kg | 1730 | 4 | 0.00043 U | 0.00038 U | 0.00037 U | 0.00035 R | 0.00037 U | 0.00033 U | 0.00039 U | 0.00036 U | 0.00038 U | 0.00038 U | 0.00045 U |
| tert-Butylbenzene | mg/Kg | 393 | | 0.00038 U | 0.00034 U | 0.00033 UJ | 0.00031 R | 0.00033 U | 0.00029 U | 0.00034 U | 0.00032 U | 0.00034 U | 0.00034 U | 0.0004 U |
| Tetrachloroethene (PCE) | mg/Kg | 3.28 | 0.06 | 0.00039 U | 0.00035 U | 0.00034 U | 0.00032 R | 0.00034 U | 0.0003 U | 0.00035 U | 0.00033 U | 0.00035 U | 0.00035 U | 0.00041 U |
| Toluene | mg/Kg | 521 | 12 | 0.00086 U | 0.00076 U | 0.00074 J | 0.00069 R | 0.00074 U | 0.00066 U | 0.00078 U | 0.00072 U | 0.0008 J | 0.00076 U | 0.0009 U |
| Total Xylene | mg/Kg | 214 | 200 | 0.001 U | 0.00093 U | 0.00089 U | 0.00084 R | 0.00089 U | 0.0008 U | 0.00094 U | 0.00088 U | 0.00093 U | 0.00093 U | 0.0011 U |
| trans-1,2-Dichloroethene | mg/Kg | 600 | 0.6 | 0.0012 U | 0.001 U | 0.00099 U | 0.00093 R | 0.00099 U | 0.00088 U | 0.001 U | 0.00097 U | 0.001 U | 0.001 U | 0.0012 U |
| trans-1,3-Dichloropropene | mg/Kg | | | 0.00043 U | 0.00038 U | 0.00037 U | 0.00035 R | 0.00037 U | 0.00033 U | 0.00039 U | 0.00036 U | 0.00038 U | 0.00038 U | 0.00045 U |
| Trichloroethene (TCE) | mg/Kg | 5.49 | 0.06 | 0.00048 U | 0.00043 U | 0.00041 U | 0.00038 R | 0.00041 U | 0.00037 U | 0.00043 U | 0.0004 U | 0.00043 U | 0.00042 U | 0.0005 U |
| Trichlorofluoromethane (Freon 11) | mg/Kg | 1980 | | 0.00062 U | 0.00055 U | 0.00053 U | 0.00049 R | 0.00053 U | 0.00047 U | 0.00055 U | 0.00052 U | 0.00055 U | 0.00054 U | 0.00064 U |
| Vinyl acetate | mg/Kg | 2710 | 160 | 0.00096 U | 0.00085 U | 0.00082 U | 0.00077 R | 0.00082 U | 0.00073 U | 0.00086 U | 0.00081 U | 0.00085 U | 0.00085 U | 0.001 U |
| Vinyl chloride | mg/Kg | 1.86 | 0.014 | 0.00053 U | 0.00047 U | 0.00045 U | 0.00042 R | 0.00045 U | 0.0004 U | 0.00048 U | 0.00044 U | 0.00047 U | 0.00047 U | 0.00055 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**

**Table 6-8. Soil Summary - VOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | SoutheastProperty | SoutheastProperty | SoutheastProperty |
|---|---|---|---|---|---|---|
| | | | Location | K53-B-1 | K53-B-1 | RD-B-1 |
| | | | Sample Name | K53-B-1_SUB | K53-B-1_SUB DUP | RD-B-1_SUB |
| | | | Start Depth | 2 | 2 | 10 |
| | | | End Depth | 6 | 6 | 15 |
| | | | Depth Units | ft | ft | ft |
| | | | Sample Date | 12/5/2013 | 12/5/2013 | 12/5/2013 |
| | | | Parent Sample | | K53-B-1_SUB_12/05/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | |
| 1,1,1,2-Tetrachloroethane | mg/Kg | 20.3 | | 0.0004 U | 0.00053 U | 0.00034 U |
| 1,1,1-Trichloroethane | mg/Kg | 1390 | 2 | 0.00049 U | 0.00065 U | 0.00042 U |
| 1,1,2,2-Tetrachloroethane | mg/Kg | 2.59 | 0.004 | 0.00045 U | 0.00061 U | 0.00039 U |
| 1,1,2-Trichloroethane | mg/Kg | 5.8 | 0.018 | 0.00065 U | 0.00087 U | 0.00055 U |
| 1,1-Dichloroethane | mg/Kg | 23.3 | 20 | 0.00044 U | 0.00059 U | 0.00038 U |
| 1,1-Dichloroethene | mg/Kg | 1400 | 0.06 | 0.0018 U | 0.0024 U | 0.0016 U |
| 1,1-Dichloropropene | mg/Kg | | | 0.00034 U | 0.00046 U | 0.00029 U |
| 1,2,3-Trichlorobenzene | mg/Kg | | | 0.0005 U | 0.00067 U | 0.00043 U |
| 1,2,3-Trichloropropane | mg/Kg | 0.11 | | 0.00064 U | 0.00085 U | 0.00054 U |
| 1,2,4-Trichlorobenzene | mg/Kg | 110 | 6 | 0.00049 U | 0.00065 U | 0.00042 U |
| 1,2,4-Trimethylbenzene | mg/Kg | 671 | | 0.00068 U | 0.00091 U | 0.00058 U |
| 1,2-Dichlorobenzene | mg/Kg | 373 | 18 | 0.00032 U | 0.00043 U | 0.00027 U |
| 1,2-Dichloroethane | mg/Kg | 2.41 | 0.02 | 0.00099 U | 0.0013 U | 0.00084 U |
| 1,2-Dichloropropane | mg/Kg | 4.54 | 0.02 | 0.00043 U | 0.00058 U | 0.00037 U |
| 1,3,5-Trimethylbenzene | mg/Kg | 254 | | 0.00035 U | 0.00047 U | 0.0003 U |
| 1,3-Dichlorobenzene | mg/Kg | 373 | | 0.00032 U | 0.00043 U | 0.00027 U |
| 1,3-Dichloropropane | mg/Kg | 71.6 | 0.02 | 0.00036 U | 0.00049 U | 0.00031 U |
| 1,4-Dichlorobenzene | mg/Kg | 14.3 | 2 | 0.00068 U | 0.00091 U | 0.00058 U |
| 2,2-Dichloropropane | mg/Kg | | | 0.00061 UJ- | 0.00082 UJ- | 0.00052 UJ- |
| 2-Chlorotoluene (o-Chlorotoluene) | mg/Kg | 511 | | 0.00039 U | 0.00052 U | 0.00033 U |
| 2-Hexanone | mg/Kg | 2150 | | 0.002 UJ | 0.0027 UJ | 0.0017 UJ |
| 4-Chlorotoluene (p-Chlorotoluene) | mg/Kg | | | 0.00043 U | 0.00058 U | 0.00037 U |
| 4-Isopropyltoluene | mg/Kg | 647 | | 0.00036 U | 0.00049 U | 0.00031 U |
| 4-Methyl-2-pentanone (MIBK) | mg/Kg | 17200 | | 0.00083 U | 0.0011 U | 0.00071 U |
| Acetone | mg/Kg | 100000 | 16 | 0.04 | 0.048 | 0.019 J+ |
| Acetonitrile | mg/Kg | 6840 | | 0.023 R | 0.031 R | 0.02 R |
| Benzene | mg/Kg | 4.5 | 0.04 | 0.00028 U | 0.00038 U | 0.00024 U |
| Bromobenzene | mg/Kg | 695 | | 0.00042 U | 0.00056 U | 0.00036 U |
| Bromochloromethane | mg/Kg | | | 0.00093 U | 0.0012 U | 0.00079 U |
| Bromodichloromethane | mg/Kg | 3.6 | 0.6 | 0.00028 U | 0.00038 U | 0.00024 U |
| Bromoform | mg/Kg | 242 | 0.8 | 0.00042 U | 0.00056 U | 0.00036 U |
| Bromomethane | mg/Kg | 42.9 | 0.2 | 0.0013 U | 0.0017 U | 0.0011 U |
| Carbon disulfide | mg/Kg | 721 | 40 | 0.00078 UJ- | 0.001 U | 0.00067 U |
| Carbon tetrachloride | mg/Kg | 4.07 | 0.06 | 0.00058 U | 0.00077 U | 0.00049 U |
| Chlorobenzene | mg/Kg | 695 | 1.4 | 0.00043 U | 0.00058 U | 0.00037 U |
| Chloroethane | mg/Kg | 1100 | | 0.00059 U | 0.00079 U | 0.0005 U |
| Chloroform | mg/Kg | 1.71 | 0.6 | 0.00043 U | 0.00058 U | 0.00037 U |
| Chloromethane | mg/Kg | 8.95 | | 0.00074 U | 0.00099 U | 0.00063 U |
| cis-1,2-Dichloroethene | mg/Kg | 791 | 0.4 | 0.00068 U | 0.00091 U | 0.00058 U |
| cis-1,3-Dichloropropene | mg/Kg | | | 0.00068 U | 0.00091 U | 0.00058 U |
| Dibromochloromethane | mg/Kg | 6.15 | 0.4 | 0.00047 U | 0.00062 U | 0.0004 U |
| Dibromomethane | mg/Kg | 210 | | 0.0011 U | 0.0015 U | 0.00094 U |
| Dichlorodifluoromethane (Freon 12) | mg/Kg | 340 | | 0.0015 UJ- | 0.002 U | 0.0013 U |
| Ethanol | mg/Kg | 100000 | | 0.07 R | 0.093 R | 0.059 R |
| Ethylbenzene | mg/Kg | 21 | 14 | 0.00034 U | 0.00046 U | 0.00029 U |
| Iodomethane | mg/Kg | 1680 | | 0.0017 U | 0.0023 U | 0.0015 U |
| Isopropyl benzene | mg/Kg | 647 | | 0.0003 U | 0.00039 U | 0.00025 U |
| m/p-Xylene | mg/Kg | | | 0.00065 U | 0.00087 U | 0.00055 U |
| Methyl ethyl ketone (2-Butanone) | mg/Kg | 34100 | | 0.0066 J | 0.0029 U | 0.0019 U |

**Table 6-8. Soil Summary - VOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | SoutheastProperty | SoutheastProperty | SoutheastProperty |
|---|---|---|---|---|---|---|
| | | | Location | K53-B-1 | K53-B-1 | RD-B-1 |
| | | | Sample Name | K53-B-1_SUB | K53-B-1_SUB DUP | RD-B-1_SUB |
| | | | Start Depth | 2 | 2 | 10 |
| | | | End Depth | 6 | 6 | 15 |
| | | | Depth Units | ft | ft | ft |
| | | | Sample Date | 12/5/2013 | 12/5/2013 | 12/5/2013 |
| | | | Parent Sample | | K53-B-1_SUB_12/05/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | |
| Methyl tert-butyl ether (MTBE) | mg/Kg | 216 | | 0.00055 U | 0.00073 U | 0.00046 U |
| Methylene chloride | mg/Kg | 60.4 | 0.02 | 0.0018 U | 0.0024 U | 0.0015 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.00056 U | 0.00074 U | 0.00047 U |
| n-Butylbenzene | mg/Kg | 237 | | 0.00068 U | 0.00091 U | 0.00058 U |
| n-Propylbenzene | mg/Kg | 237 | | 0.00036 U | 0.00049 U | 0.00031 U |
| o-Xylene | mg/Kg | 282 | 180 | 0.00039 U | 0.00052 U | 0.00033 U |
| sec-Butylbenzene | mg/Kg | 223 | | 0.00035 U | 0.00047 U | 0.0003 U |
| Styrene | mg/Kg | 1730 | 4 | 0.0004 U | 0.00053 U | 0.00034 U |
| tert-Butylbenzene | mg/Kg | 393 | | 0.00035 U | 0.00047 U | 0.0003 U |
| Tetrachloroethene (PCE) | mg/Kg | 3.28 | 0.06 | 0.0027 J | 0.0029 J | 0.0018 J |
| Toluene | mg/Kg | 521 | 12 | 0.0008 U | 0.0011 U | 0.00068 U |
| Total Xylene | mg/Kg | 214 | 200 | 0.00097 U | 0.0013 U | 0.00082 U |
| trans-1,2-Dichloroethene | mg/Kg | 600 | 0.6 | 0.0011 U | 0.0014 U | 0.00091 U |
| trans-1,3-Dichloropropene | mg/Kg | | | 0.0004 U | 0.00053 U | 0.00034 U |
| Trichloroethene (TCE) | mg/Kg | 5.49 | 0.06 | 0.00044 U | 0.00059 U | 0.00038 U |
| Trichlorofluoromethane (Freon 11) | mg/Kg | 1980 | | 0.00057 U | 0.00076 U | 0.00048 U |
| Vinyl acetate | mg/Kg | 2710 | 160 | 0.00089 U | 0.0012 U | 0.00075 U |
| Vinyl chloride | mg/Kg | 1.86 | 0.014 | 0.00049 U | 0.00065 U | 0.00042 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-4 | DD-B-8 | DD-B-9 | FM-SS-2 | FM-SS-2 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-4_SS | DD-B-8_SS | DD-B-9_SS | FM-SS-2_SS | FM-SS-2_SS DUP |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/2/2013 | 12/4/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | BY-SS-3_SS_11/20/13 | | | | | | FM-SS-2_SS_11/20/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Chloronaphthalene | mg/Kg | 389 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Methylnaphthalene | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Nitroaniline | mg/Kg | 2050 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Nitrophenol | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3-Nitroaniline | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Bromophenyl phenyl ether | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Chloro-3-methylphenol | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Nitroaniline | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Nitrophenol | mg/Kg | 5470 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.037 U | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Acenaphthylene | mg/Kg | 147 | | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.037 U | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Acetophenone | mg/Kg | 1740 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aniline | mg/Kg | 336 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Anthracene | mg/Kg | 9920 | 11800 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.037 U | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.075 J | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 R | 0.034 R | 0.034 U | 0.089 J | 0.035 U | 0.036 U | 0.034 UJ | 0.034 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 R | 0.034 R | 0.034 U | 0.15 J | 0.035 U | 0.036 U | 0.034 UJ | 0.034 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 R | 0.034 R | 0.034 U | 0.098 J | 0.035 U | 0.036 U | 0.034 UJ | 0.034 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 R | 0.034 R | 0.034 U | 0.055 J | 0.035 U | 0.036 U | 0.034 UJ | 0.034 U |
| Benzoic acid | mg/Kg | 100000 | 400 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzyl alcohol | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(2-chloroethoxy)methane | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbazole | mg/Kg | 95.8 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chrysene | mg/Kg | 234 | 160 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.098 J | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 R | 0.034 R | 0.034 U | 0.037 U | 0.035 U | 0.036 U | 0.034 UJ | 0.034 U |
| Dibenzofuran | mg/Kg | 2270 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Diethyl phthalate | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Dimethyl phthalate | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-4 | DD-B-8 | DD-B-9 | FM-SS-2 | FM-SS-2 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-4_SS | DD-B-8_SS | DD-B-9_SS | FM-SS-2_SS | FM-SS-2_SS DUP |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/2/2013 | 12/4/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | BY-SS-3_SS_11/20/13 | | | | | | FM-SS-2_SS_11/20/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.088 J | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.037 U | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hexachloroethane | mg/Kg | 137 | 0.4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 R | 0.034 R | 0.034 U | 0.092 J | 0.035 U | 0.036 U | 0.034 UJ | 0.034 U |
| Isophorone | mg/Kg | 2020 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.037 U | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pentachlorobenzene | mg/Kg | 547 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Phenanthrene | mg/Kg | 24.5 | | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.037 U | 0.035 U | 0.036 U | 0.034 U | 0.034 U |
| Phenol | mg/Kg | 100000 | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.035 U | 0.035 U | 0.036 U | 0.034 U | 0.036 U | 0.035 U | 0.034 U | 0.034 U | 0.092 J | 0.035 U | 0.036 U | 0.034 U | 0.034 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | FrancyMtn | HP1 | HP1 | HP1 | HP1 | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | FM-SS-3 | HP1-1 | HP1-4 | HP1-4 | HP1-6 | J2-SS-2 | NE-B-3 | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NS-SS-1 | NS-SS-5 | P-B-10 |
| | | | Sample Name | FM-SS-3_SS | HP1-1-2 | DUP 2 | HP1-4-2 | HP1-6-2 | J2-SS-2_SS | NE-B-3_SS | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 5.0-6.5 | NS-SS-1_SS | NS-SS-5_SS | P-B-10_SS |
| | | | Start Depth | 0 | 1.8 | 0 | 1.9 | 2 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 2.3 | 0 | 2.5 | 2.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/22/2013 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/20/2013 | 11/20/2013 | 12/11/2013 |
| | | | Parent Sample | | | HP1-4-2_07/10/13 | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | -- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Chloronaphthalene | mg/Kg | 389 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Methylnaphthalene | mg/Kg | | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Nitroaniline | mg/Kg | 2050 | | -- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2-Nitrophenol | mg/Kg | | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3-Nitroaniline | mg/Kg | | | -- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Bromophenyl phenyl ether | mg/Kg | | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Chloro-3-methylphenol | mg/Kg | | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Nitroaniline | mg/Kg | | | -- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 4-Nitrophenol | mg/Kg | 5470 | | -- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.035 U | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Acenaphthylene | mg/Kg | 147 | | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.035 U | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Acetophenone | mg/Kg | 1740 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aniline | mg/Kg | 336 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Anthracene | mg/Kg | 9920 | 11800 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.46 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Azobenzene | mg/Kg | 15.9 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 1.3 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | **0.68** | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.039 J | 0.036 U | 1.6 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.28 J | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.67 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Benzoic acid | mg/Kg | 100000 | 400 | -- | 1.8 UJ- | 1.8 UJ- | 1.8 UJ- | 1.8 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzyl alcohol | mg/Kg | 100000 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(2-chloroethoxy)methane | mg/Kg | | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Carbazole | mg/Kg | 95.8 | 0.6 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chrysene | mg/Kg | 234 | 160 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 2.1 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.035 U | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Dibenzofuran | mg/Kg | 2270 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Diethyl phthalate | mg/Kg | 100000 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Dimethyl phthalate | mg/Kg | 100000 | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | FrancyMtn | HP1 | HP1 | HP1 | HP1 | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | FM-SS-3 | HP1-1 | HP1-4 | HP1-4 | HP1-6 | J2-SS-2 | NE-B-3 | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NS-SS-1 | NS-SS-5 | P-B-10 |
| | | | Sample Name | FM-SS-3_SS | HP1-1-2 | DUP 2 | HP1-4-2 | HP1-6-2 | J2-SS-2_SS | NE-B-3_SS | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 5.0-6.5 | NS-SS-1_SS | NS-SS-5_SS | P-B-10_SS |
| | | | Start Depth | 0 | 1.8 | 0 | 1.9 | 2 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 2.3 | 0 | 2.5 | 2.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/22/2013 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/20/2013 | 11/20/2013 | 12/11/2013 |
| | | | Parent Sample | | | HP1-4-2_07/10/13 | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 3.9 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.035 U | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hexachloroethane | mg/Kg | 137 | 0.4 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.32 J | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Isophorone | mg/Kg | 2020 | 0.6 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 0.035 U | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pentachlorobenzene | mg/Kg | 547 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | -- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | 0.72 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Phenanthrene | mg/Kg | 24.5 | | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 2.6 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |
| Phenol | mg/Kg | 100000 | 100 | -- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.034 U | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.36 UJ- | 0.035 U | 0.036 U | 3.3 | 0.035 U | 0.035 U | 0.036 U | 0.035 U | 0.034 U | 0.036 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | S17 | S17 | SoutheastProperty | SoutheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-12 | P-B-3 | PA-SS-1 | PA-SS-7 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | S17-SS-1 | S17-SS-2 | K53-B-1 | K53-B-1 |
| | | | Sample Name | P-B-12_SHALLOW | P-B-3_SS | PA-SS-1_SS | PA-SS-7_SS | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 5.0-6.5 | S17-SS-1_SS | S17-SS-2_SS | K53-B-1_SS | K53-B-1_SUB |
| | | | Start Depth | 18 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 2 |
| | | | End Depth | 23 | 0.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 6 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/5/2013 | 11/18/2013 | 12/13/2013 | 12/13/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 11/21/2013 | 11/21/2013 | 12/5/2013 | 12/5/2013 |
| | | | Parent Sample | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.53 U | 0.052 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.24 U | 0.023 U |
| 1,4-Dioxane | mg/Kg | 19.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.71 U | 0.07 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.11 U | 0.011 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.11 U | 0.011 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.11 U | 0.011 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.71 U | 0.07 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.6 U | 0.35 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.71 U | 0.07 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.3 U | 0.03 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.11 U | 0.011 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.23 U | 0.022 U |
| 2-Methylnaphthalene | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.2 U | 0.02 U |
| 2-Nitroaniline | mg/Kg | 2050 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.54 U | 0.053 U |
| 2-Nitrophenol | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.11 U | 0.011 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.97 U | 0.095 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.35 U | 0.035 U |
| 3-Nitroaniline | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.78 U | 0.077 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.2 U | 0.02 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.71 U | 0.07 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.88 U | 0.087 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.23 U | 0.022 U |
| 4-Nitroaniline | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.78 U | 0.077 U |
| 4-Nitrophenol | mg/Kg | 5470 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1 U | 0.1 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.035 U | 0.034 U | 0.072 U | 0.067 U | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.11 U | 0.011 U |
| Acenaphthylene | mg/Kg | 147 | | 0.035 U | 0.034 U | 0.072 U | 0.067 U | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.18 U | 0.018 U |
| Acetophenone | mg/Kg | 1740 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.21 U | 0.021 U |
| Aniline | mg/Kg | 336 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1.4 U | 0.14 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.035 U | 0.034 U | 0.072 U | 0.067 U | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.18 U | 0.018 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.24 U | 0.023 U |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.087 J | 0.034 U | 0.24 J | 0.067 U | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.037 J | 0.21 U | 0.021 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.06 J | 0.034 U | 0.13 J | 0.067 U | 0.034 UJ | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.043 J | 0.21 U | 0.021 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.11 J | 0.034 U | 0.4 J | 0.097 J | 0.034 UJ | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.081 J | 0.28 U | 0.028 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.058 J | 0.034 U | 0.075 J | 0.1 J | 0.034 UJ | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.039 J | 0.17 U | 0.017 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.038 J | 0.034 U | 0.095 J | 0.067 U | 0.034 UJ | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.43 U | 0.042 U |
| Benzoic acid | mg/Kg | 100000 | 400 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.5 U | 0.35 U |
| Benzyl alcohol | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.11 U | 0.011 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.25 U | 0.024 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.18 U | 0.018 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.49 U | 0.049 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.25 U | 0.024 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.46 U | 0.046 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.39 U | 0.038 U |
| Chrysene | mg/Kg | 234 | 160 | 0.11 J | 0.034 U | 0.41 J | 0.17 J | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.042 J | 0.29 U | 0.029 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.035 U | 0.034 U | 0.072 U | 0.067 U | 0.034 UJ | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.2 U | 0.02 U |
| Dibenzofuran | mg/Kg | 2270 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.21 U | 0.021 U |
| Diethyl phthalate | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.28 U | 0.028 U |
| Dimethyl phthalate | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.25 U | 0.34 J |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.31 U | 0.031 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | S17 | S17 | SoutheastProperty | SoutheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-12 | P-B-3 | PA-SS-1 | PA-SS-7 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | S17-SS-1 | S17-SS-2 | K53-B-1 | K53-B-1 |
| | | | Sample Name | P-B-12_SHALLOW | P-B-3_SS | PA-SS-1_SS | PA-SS-7_SS | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 5.0-6.5 | S17-SS-1_SS | S17-SS-2_SS | K53-B-1_SS | K53-B-1_SUB |
| | | | Start Depth | 18 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 2 |
| | | | End Depth | 23 | 0.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 6 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/5/2013 | 11/18/2013 | 12/13/2013 | 12/13/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 11/21/2013 | 11/21/2013 | 12/5/2013 | 12/5/2013 |
| | | | Parent Sample | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.15 U | 0.015 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.16 J | 0.034 U | 0.57 J | 0.067 U | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.045 J | 0.39 U | 0.038 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.035 U | 0.034 U | 0.072 U | 0.067 U | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.19 U | 0.019 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.31 U | 0.031 U |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.11 U | 0.011 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.54 U | 0.053 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.23 U | 0.023 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.055 J | 0.034 U | 0.072 U | 0.067 U | 0.034 UJ | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.036 J | 0.24 U | 0.023 U |
| Isophorone | mg/Kg | 2020 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.18 U | 0.018 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.035 U | 0.034 U | 0.072 U | 0.067 U | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.33 U | 0.033 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.24 U | 0.023 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.33 U | 0.033 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.23 U | 0.022 U |
| Pentachlorobenzene | mg/Kg | 547 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.7 U | 0.069 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.5 U | 0.35 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.035 U | 0.034 U | 0.28 J | 0.13 J | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.034 U | 0.18 U | 0.018 U |
| Phenol | mg/Kg | 100000 | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.19 U | 0.019 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 8.2 U | 0.81 U |
| Pyrene | mg/Kg | 19300 | 4200 | 0.13 J | 0.034 U | 0.36 J | 0.068 J | 0.034 U | 0.036 U | 0.035 U | 0.035 U | 0.034 U | 0.049 J | 0.13 U | 0.013 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | SoutheastProperty | SoutheastProperty | SoutheastProperty | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | K53-B-1 | RD-B-1 | RD-B-1 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-1 | BD-1 | BD-1 | BD-10 | BD-10 | BD-10 | BD-10 |
| | | | Sample Name | K53-B-1_SUB DUP | RD-B-1_SS | RD-B-1_SUB | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | | | | BD-1 | | | | |
| | | | Start Depth | 2 | 0 | 10 | 0 | 0 | 0 | 0 | 19 | 9 | 9 | 6 | 0 | 19 | 35 | 4 |
| | | | End Depth | 6 | 0.5 | 15 | 5 | 5 | 5 | 5 | 20 | 10 | 10 | 6 | 0.5 | 20 | 36 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/5/2013 | 12/5/2013 | 12/5/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 9/25/2013 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | K53-B-1_SUB_12/05/13 | | | | SW-1 1E_08/15/13 | | | | BD-1-10_51001 | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.054 U | 0.052 U | 0.05 U | -- | -- | -- | -- | 0.11 J | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | 0.024 U | 0.023 U | 0.023 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.072 U | 0.07 U | 0.068 U | -- | -- | -- | -- | 0.0055 U | 0.022 U | 0.021 U | -- | 0.0049 U | 0.0061 U | 0.0056 U | 0.0052 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.011 U | 0.011 U | 0.01 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.04 U | 0.039 U | 0.039 U | -- | 0.036 U | 0.044 U | 0.041 U | 0.038 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.011 U | 0.011 U | 0.01 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.011 U | 0.011 U | 0.01 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.072 U | 0.07 U | 0.068 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.37 U | 0.35 U | 0.34 U | 1.3 U | 1.4 U | 1.3 U | 1.3 U | 1.1 U | 0.97 U | 0.97 U | -- | 0.9 U | 1.2 U | 1.1 U | 0.95 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.072 U | 0.07 U | 0.068 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.031 U | 0.03 U | 0.029 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.011 U | 0.011 U | 0.01 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.023 U | 0.022 U | 0.022 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.044 U | 0.042 U | 0.042 U | -- | 0.039 U | 0.048 U | 0.044 U | 0.041 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.021 U | 0.02 U | 0.02 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.055 U | 0.053 U | 0.051 U | 1.3 U | 1.4 U | 1.3 U | 1.3 U | 0.59 U | 0.57 U | 0.57 U | -- | 0.53 U | 0.65 U | 0.6 U | 0.56 U |
| 2-Nitrophenol | mg/Kg | | | 0.011 U | 0.011 U | 0.01 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.099 U | 0.095 U | 0.093 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.036 U | 0.035 U | 0.034 U | -- | -- | -- | -- | 0.049 U | 0.048 U | 0.047 U | -- | 0.044 U | 0.055 U | 0.05 U | 0.047 U |
| 3-Nitroaniline | mg/Kg | | | 0.08 U | 0.077 U | 0.075 U | 1.3 U | 1.4 U | 1.3 U | 1.3 U | 0.61 U | 0.59 U | 0.59 U | -- | 0.55 U | 0.68 U | 0.62 U | 0.58 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.021 U | 0.02 U | 0.02 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.072 U | 0.07 U | 0.068 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.09 U | 0.086 U | 0.084 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.023 U | 0.022 U | 0.022 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| 4-Nitroaniline | mg/Kg | | | 0.079 U | 0.076 U | 0.075 U | 1.3 U | 1.4 U | 1.3 U | 1.3 U | 0.47 U | 0.46 U | 0.45 U | -- | 0.43 U | 0.52 U | 0.48 U | 0.45 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.11 U | 0.1 U | 0.1 U | 1.3 U | 1.4 U | 1.3 U | 1.3 U | 0.59 U | 0.57 U | 0.56 U | -- | 0.53 U | 0.65 U | 0.59 U | 0.55 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.011 U | 0.011 U | 0.011 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Acenaphthylene | mg/Kg | 147 | | 0.019 U | 0.018 U | 0.017 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Acetophenone | mg/Kg | 1740 | | 0.022 U | 0.021 U | 0.021 U | -- | -- | -- | -- | 0.049 U | 0.048 U | 0.047 U | -- | 0.044 U | 0.055 U | 0.05 U | 0.047 U |
| Aniline | mg/Kg | 336 | | 0.14 U | 0.14 U | 0.13 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.019 U | 0.018 U | 0.017 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Azobenzene | mg/Kg | 15.9 | | 0.024 U | 0.023 U | 0.023 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.022 U | 0.021 U | 0.021 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.00064 U | 0.0025 U | 0.0025 U | -- | 0.054 | 0.00071 U | 0.00065 U | 0.0006 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.022 U | 0.021 U | 0.021 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.00075 U | 0.0029 U | 0.0029 U | -- | 0.055 | 0.00083 U | 0.00076 U | 0.00071 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.029 U | 0.028 U | 0.027 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.0013 U | 0.0048 U | 0.0048 U | -- | 0.077 | 0.0014 U | 0.0013 U | 0.0012 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.018 U | 0.017 U | 0.016 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.079 J | 0.042 U | 0.038 U | 0.036 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.044 U | 0.042 U | 0.041 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.00092 U | 0.0036 U | 0.0036 U | -- | 0.061 | 0.0011 U | 0.00093 U | 0.00087 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.36 U | 0.35 U | 0.34 U | 3.4 U | 3.4 U | 3.2 U | 3.2 U | 0.68 UJ- | 0.65 U | 0.65 UJ- | -- | 0.61 UJ- | 0.75 UJ- | 0.68 UJ- | 0.64 UJ- |
| Benzyl alcohol | mg/Kg | 100000 | | 0.011 U | 0.011 U | 0.01 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.025 U | 0.024 U | 0.024 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.018 U | 0.017 U | 0.017 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.05 U | 0.048 U | 0.047 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.063 U | 0.061 U | 0.061 U | -- | 0.17 J | 0.07 U | 0.064 U | 0.059 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.025 U | 0.024 U | 0.024 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.046 U | 0.044 U | 0.044 U | -- | 0.041 U | 0.051 U | 0.046 U | 0.043 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.047 U | 0.045 U | 0.044 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.039 U | 0.038 U | 0.037 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.062 U | 0.06 U | 0.059 U | -- | 0.056 U | 0.068 U | 0.062 U | 0.058 U |
| Chrysene | mg/Kg | 234 | 160 | 0.03 U | 0.028 U | 0.028 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.0011 U | 0.0042 U | 0.0042 U | -- | 0.092 | 0.0012 U | 0.0011 U | 0.0011 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.021 U | 0.02 U | 0.02 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.00086 U | 0.0033 U | 0.0033 U | -- | 0.03 | 0.00094 U | 0.00086 U | 0.00081 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.022 U | 0.021 U | 0.021 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.029 U | 0.027 U | 0.027 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.2 J | 0.041 J | 0.16 J | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.032 U | 0.031 U | 0.03 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.16 U | 0.15 U | 0.15 U | -- | 0.14 U | 0.17 U | 0.16 U | 0.15 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | SoutheastProperty | SoutheastProperty | SoutheastProperty | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | K53-B-1 | RD-B-1 | RD-B-1 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-1 | BD-1 | BD-1 | BD-10 | BD-10 | BD-10 | BD-10 |
| | | | Sample Name | K53-B-1_SUB DUP | RD-B-1_SS | RD-B-1_SUB | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | | | | BD-1 | | | | |
| | | | Start Depth | 2 | 0 | 10 | 0 | 0 | 0 | 0 | 19 | 9 | 9 | 6 | 0 | 19 | 35 | 4 |
| | | | End Depth | 6 | 0.5 | 15 | 5 | 5 | 5 | 5 | 20 | 10 | 10 | 6 | 0.5 | 20 | 36 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/5/2013 | 12/5/2013 | 12/5/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 9/25/2013 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | K53-B-1_SUB_12/05/13 | | | | SW-1 1E_08/15/13 | | | | BD-1-10_51001 | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.016 U | 0.015 U | 0.015 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.039 U | 0.038 U | 0.037 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.12 J | 0.042 U | 0.038 U | 0.036 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.02 U | 0.019 U | 0.019 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.032 U | 0.031 U | 0.03 U | **3.3** | **3.3** | **13** | **4.6** | 0.00093 U | 0.71 | 0.55 | 0.27 J | 0.075 | 0.0011 U | 0.00094 U | 0.00088 U |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.011 U | 0.011 U | 0.01 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.055 U | 0.053 U | 0.051 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.023 U | 0.022 U | 0.022 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.024 U | 0.023 U | 0.023 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.00099 U | 0.0038 U | 0.0038 U | -- | 0.066 | 0.0011 U | 0.00099 U | 0.00093 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.019 U | 0.018 U | 0.017 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.034 U | 0.033 U | 0.032 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | -- | -- | -- |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.024 U | 0.023 U | 0.023 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.045 U | 0.043 U | 0.043 U | -- | 0.04 U | 0.049 U | 0.045 U | 0.042 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.034 U | 0.033 U | 0.032 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.023 U | 0.022 U | 0.022 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.071 U | 0.069 U | 0.067 U | -- | -- | -- | -- | 0.038 U | 0.1 J | 0.11 J | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.36 U | 0.35 U | 0.34 U | 1.3 U | 1.4 U | 1.3 U | 1.3 U | 0.65 U | 0.62 U | 0.62 U | -- | 0.58 U | 0.71 U | 0.65 U | 0.61 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.019 U | 0.018 U | 0.017 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Phenol | mg/Kg | 100000 | 100 | 0.02 U | 0.019 U | 0.019 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.034 U | 0.042 U | 0.038 U | 0.036 U |
| Phthalic acid | mg/Kg | 100000 | | 0.83 U | 0.8 U | 0.78 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.013 U | 0.015 J | 0.012 U | 0.67 U | 0.68 U | 0.63 U | 0.64 U | 0.038 U | 0.037 U | 0.037 U | -- | 0.085 J | 0.042 U | 0.038 U | 0.036 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-10 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-13 | BD-13 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 9 | 0 | 0.5 | 19 | 29 | 34 | 4 | 9 | 0 | 0.5 | 19 | 29 | 36 | 4 | 9 | 19 | 19 |
| | | | End Depth | 10 | 0.5 | 1.5 | 20 | 30 | 35 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 37 | 5 | 10 | 20 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | BD-13-20_51211 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.0054 UJ- | 0.0049 U | 0.0052 U | 0.0052 U | 0.0053 U | 0.0057 U | 0.0053 U | 0.0053 U | 0.005 U | 0.0051 U | 0.0052 U | 0.0053 U | 0.0053 U | 0.0051 U | 0.0053 U | 0.0051 U | 0.0051 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.039 U | 0.036 U | 0.038 U | 0.038 U | 0.039 U | 0.041 U | 0.038 U | 0.039 U | 0.036 U | 0.038 U | 0.038 U | 0.039 U | 0.039 U | 0.038 U | 0.039 U | 0.038 U | 0.037 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.98 U | 0.9 U | 0.95 U | 0.95 U | 0.96 U | 1.1 U | 0.96 U | 0.97 U | 0.91 U | 0.94 U | 0.95 U | 0.96 U | 0.97 U | 0.94 U | 0.96 U | 0.94 U | 0.94 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.043 U | 0.039 U | 0.041 U | 0.041 U | 0.042 U | 0.045 U | 0.042 U | 0.042 U | 0.039 U | 0.041 U | 0.041 U | 0.042 U | 0.042 U | 0.041 U | 0.042 U | 0.041 U | 0.041 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.58 U | 0.53 U | 0.56 U | 0.56 U | 0.57 U | 0.61 U | 0.57 U | 0.57 U | 0.53 U | 0.55 U | 0.56 U | 0.57 U | 0.57 U | 0.55 U | 0.57 U | 0.55 U | 0.55 U |
| 2-Nitrophenol | mg/Kg | | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.048 U | 0.044 U | 0.047 U | 0.047 U | 0.047 U | 0.051 U | 0.047 U | 0.047 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.048 U | 0.046 U | 0.047 U | 0.046 U | 0.046 U |
| 3-Nitroaniline | mg/Kg | | | 0.6 U | 0.55 U | 0.58 U | 0.58 U | 0.59 U | 0.63 U | 0.58 U | 0.59 U | 0.55 U | 0.57 U | 0.58 U | 0.58 U | 0.59 U | 0.57 U | 0.59 U | 0.57 U | 0.57 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| 4-Nitroaniline | mg/Kg | | | 0.46 U | 0.42 U | 0.45 U | 0.45 U | 0.45 U | 0.49 U | 0.45 U | 0.45 U | 0.43 U | 0.44 U | 0.45 U | 0.45 U | 0.46 U | 0.44 U | 0.45 U | 0.44 U | 0.44 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.57 U | 0.52 U | 0.56 U | 0.55 U | 0.56 U | 0.6 U | 0.56 U | 0.56 U | 0.53 U | 0.55 U | 0.55 U | 0.56 U | 0.57 U | 0.55 U | 0.56 U | 0.55 U | 0.55 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Acenaphthylene | mg/Kg | 147 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Acetophenone | mg/Kg | 1740 | | 0.048 U | 0.044 U | 0.047 U | 0.047 U | 0.047 U | 0.051 U | 0.047 U | 0.047 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.048 U | 0.046 U | 0.047 U | 0.046 U | 0.046 U |
| Aniline | mg/Kg | 336 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.00062 UJ- | 0.01 | 0.0006 U | 0.0006 U | 0.00061 U | 0.00066 U | 0.00061 U | 0.00061 U | 0.01 | 0.0006 U | 0.0006 U | 0.00061 U | 0.00062 U | 0.0006 U | 0.00061 U | 0.0006 U | 0.00059 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.00073 UJ- | 0.012 | 0.00071 U | 0.00071 U | 0.00072 U | 0.00077 U | 0.00071 U | 0.00072 U | 0.013 | 0.0007 U | 0.00071 U | 0.00072 U | 0.00072 U | 0.0007 U | 0.00072 U | 0.0007 U | 0.0007 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0013 UJ- | 0.017 | 0.0012 U | 0.0012 U | 0.0012 U | 0.0013 U | 0.0012 U | 0.0012 U | 0.014 | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.0009 UJ- | 0.01 | 0.00087 U | 0.00087 U | 0.00088 U | 0.00095 U | 0.00088 U | 0.00088 U | 0.011 | 0.00086 U | 0.00087 U | 0.00088 U | 0.00089 U | 0.00086 U | 0.00088 U | 0.00086 U | 0.00086 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.66 U | 0.6 UJ- | 0.64 UJ- | 0.64 UJ- | 0.65 UJ- | 0.7 UJ- | 0.65 UJ- | 0.65 UJ- | 0.61 UJ- | 0.63 UJ- | 0.64 UJ- | 0.65 UJ- | 0.65 UJ- | 0.63 UJ- | 0.65 UJ- | 0.63 U | 0.63 UJ- |
| Benzyl alcohol | mg/Kg | 100000 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.061 U | 0.056 U | 0.06 U | 0.059 U | 0.06 U | 0.065 U | 0.06 U | 0.061 U | 0.057 U | 0.059 U | 0.059 U | 0.06 U | 0.061 U | 0.059 U | 0.06 U | 0.059 U | 0.059 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.045 U | 0.041 U | 0.044 U | 0.043 U | 0.044 U | 0.047 U | 0.044 U | 0.044 U | 0.041 U | 0.043 U | 0.043 U | 0.044 U | 0.044 U | 0.043 U | 0.044 U | 0.043 U | 0.043 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.06 U | 0.055 U | 0.059 U | 0.058 U | 0.059 U | 0.064 U | 0.059 U | 0.059 U | 0.056 U | 0.058 U | 0.058 U | 0.059 U | 0.06 U | 0.058 U | 0.059 U | 0.058 U | 0.058 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0011 UJ- | 0.016 | 0.0011 U | 0.0011 U | 0.0011 U | 0.0012 U | 0.0011 U | 0.0011 U | 0.018 | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.00083 UJ- | 0.00076 U | 0.00081 U | 0.00081 U | 0.00082 U | 0.00088 U | 0.00082 U | 0.00082 U | 0.00077 U | 0.0008 U | 0.00081 U | 0.00082 U | 0.00082 U | 0.0008 U | 0.00082 U | 0.0008 U | 0.0008 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.15 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U | 0.16 U | 0.15 U | 0.15 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-10 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-11 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-12 | BD-13 | BD-13 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 9 | 0 | 0.5 | 19 | 29 | 34 | 4 | 9 | 0 | 0.5 | 19 | 29 | 36 | 4 | 9 | 19 | 19 |
| | | | End Depth | 10 | 0.5 | 1.5 | 20 | 30 | 35 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 37 | 5 | 10 | 20 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | BD-13-20_51211 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.00091 UJ- | 0.076 | 0.00088 U | 0.00088 U | 0.00089 U | 0.00096 U | 0.00089 U | 0.0009 U | 0.042 | 0.00087 U | 0.00088 U | 0.00089 U | 0.0009 U | 0.00087 U | 0.00089 U | 0.00087 U | 0.00087 U |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.00096 UJ- | 0.0095 | 0.00093 U | 0.00093 U | 0.00095 U | 0.0011 U | 0.00094 U | 0.00095 U | 0.0082 | 0.00092 U | 0.00093 U | 0.00094 U | 0.00095 U | 0.00092 U | 0.00094 U | 0.00092 U | 0.00092 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Naphthalene | mg/Kg | 17.4 | 80 | -- | 0.034 U | 0.036 U | -- | -- | -- | -- | -- | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | -- | 0.036 U | 0.035 U | 0.035 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.044 U | 0.04 U | 0.042 U | 0.042 U | 0.043 U | 0.046 U | 0.043 U | 0.043 U | 0.04 U | 0.042 U | 0.042 U | 0.043 U | 0.043 U | 0.042 U | 0.043 U | 0.042 U | 0.042 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.63 U | 0.58 U | 0.61 U | 0.61 U | 0.62 U | 0.67 U | 0.62 U | 0.62 U | 0.58 U | 0.6 U | 0.61 U | 0.62 U | 0.62 U | 0.6 U | 0.62 U | 0.6 U | 0.6 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Phenol | mg/Kg | 100000 | 100 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.037 U | 0.034 U | 0.036 U | 0.036 U | 0.036 U | 0.039 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.037 U | 0.035 U | 0.036 U | 0.035 U | 0.035 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-13 | BD-13 | BD-13 | BD-13 | BD-13 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-16 |
| | | | Sample Name | | | | | BD-13 | | | | | | | | | | | | | |
| | | | Start Depth | 36 | 36 | 9 | 9 | 7 | 0 | 0.5 | 19 | 36 | 4 | 9 | 0 | 0.5 | 19 | 37 | 4 | 9 | 19 |
| | | | End Depth | 37 | 37 | 10 | 10 | 7 | 0.5 | 1.5 | 20 | 37 | 5 | 10 | 0.5 | 1.5 | 20 | 38 | 5 | 10 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 9/23/2013 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 6/20/2012 |
| | | | Parent Sample | BD-13-37_51212 | | BD-13-10_51210 | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.055 J |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.0053 U | 0.0053 U | 0.0052 U | 0.0052 U | -- | 0.25 U | 0.0052 U | 0.0053 U | 0.0052 U | 0.0051 U | 0.0051 U | 0.049 U | 0.027 U | 0.0051 U | 0.0051 U | 0.0058 U | 0.006 U | 0.55 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.039 U | 0.039 U | 0.038 U | 0.038 U | -- | 1.8 U | 0.038 U | 0.039 U | 0.038 U | 0.037 U | 0.037 U | 0.9 U | 0.039 U | 0.037 U | 0.038 U | 0.042 U | 0.044 U | 0.04 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.97 U | 0.97 U | 0.95 U | 0.95 U | -- | 45 U | 0.94 U | 0.97 U | 0.96 U | 0.94 U | 0.93 U | 23 U | 0.96 U | 0.93 U | 0.94 U | 1.1 U | 1.1 U | 1.1 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.042 U | 0.042 U | 0.041 U | 0.041 U | -- | 2 U | 0.041 U | 0.042 U | 0.042 U | 0.041 U | 0.04 U | 0.97 U | 0.042 U | 0.041 U | 0.041 U | 0.046 U | 0.047 U | 0.044 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.57 U | 0.57 U | 0.56 U | 0.56 U | -- | 27 U | 0.56 U | 0.57 U | 0.56 U | 0.55 U | 0.55 U | 14 U | 0.57 U | 0.55 U | 0.55 U | 0.62 U | 0.64 U | 0.59 U |
| 2-Nitrophenol | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.048 U | 0.048 U | 0.047 U | 0.047 U | -- | 2.2 U | 0.046 U | 0.048 U | 0.047 U | 0.046 U | 0.045 U | 1.1 U | 0.047 U | 0.046 U | 0.046 U | 0.052 U | 0.053 U | 0.049 U |
| 3-Nitroaniline | mg/Kg | | | 0.59 U | 0.59 U | 0.58 U | 0.58 U | -- | 28 U | 0.57 U | 0.59 U | 0.58 U | 0.57 U | 0.56 U | 14 U | 0.59 U | 0.57 U | 0.57 U | 0.64 U | 0.66 U | 0.61 UJ- |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 UJ- |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| 4-Nitroaniline | mg/Kg | | | 0.46 U | 0.46 U | 0.45 U | 0.45 U | -- | 22 U | 0.44 U | 0.46 U | 0.45 U | 0.44 U | 0.44 U | 11 U | 0.45 U | 0.44 U | 0.44 U | 0.5 U | 0.51 U | 0.47 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.57 U | 0.57 U | 0.55 U | 0.56 U | -- | 27 U | 0.55 U | 0.57 U | 0.56 U | 0.55 U | 0.54 U | 14 U | 0.56 U | 0.54 U | 0.55 U | 0.62 U | 0.63 U | 0.59 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Acenaphthylene | mg/Kg | 147 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Acetophenone | mg/Kg | 1740 | | 0.048 U | 0.048 U | 0.047 U | 0.047 U | -- | 2.2 U | 0.046 U | 0.048 U | 0.047 U | 0.046 U | 0.045 U | 1.1 U | 0.047 U | 0.046 U | 0.046 U | 0.052 U | 0.053 U | 0.049 U |
| Aniline | mg/Kg | 336 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.00062 U | 0.00062 U | 0.0006 U | 0.00061 U | -- | 0.029 U | 0.0011 J | 0.00062 U | 0.00061 U | 0.0092 | 0.00059 U | 0.0057 U | 0.013 J | 0.00059 U | 0.0006 U | 0.00067 U | 0.00069 U | 0.064 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.00073 U | 0.00073 U | 0.00071 U | 0.00071 U | -- | 0.034 U | 0.0021 J | 0.00072 U | 0.00071 U | 0.011 | 0.00069 U | 0.0067 U | 0.02 | 0.0007 U | 0.0007 U | 0.00079 U | 0.00081 U | 0.075 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0013 U | 0.0013 U | 0.0012 U | 0.0012 U | -- | 0.14 J | 0.0032 J | 0.0012 U | 0.0012 U | 0.014 | 0.0012 U | 0.012 U | 0.025 | 0.0012 U | 0.0012 U | 0.0014 U | 0.0014 U | 0.13 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.061 J | 0.035 U | 0.84 U | 0.055 J | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.00089 U | 0.00089 U | 0.00087 U | 0.00087 U | -- | 0.042 U | 0.00086 U | 0.00089 U | 0.00087 U | 0.0099 | 0.00085 U | 0.0082 U | 0.02 | 0.00085 U | 0.00086 U | 0.00097 U | 0.001 U | 0.092 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.66 U | 0.66 UJ- | 0.64 U | 0.64 UJ- | -- | 31 UJ- | 0.63 UJ- | 0.65 UJ- | 0.64 UJ- | 0.63 UJ- | 0.62 UJ- | 16 UJ- | 0.65 UJ- | 0.63 UJ- | 0.63 UJ- | 0.71 UJ- | 0.73 UJ- | 0.68 UR |
| Benzyl alcohol | mg/Kg | 100000 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.061 U | 0.061 U | 0.06 U | 0.06 U | -- | 2.9 U | 0.059 U | 0.061 U | 0.06 U | 0.059 U | 0.058 U | 1.4 U | 0.06 U | 0.058 U | 0.059 U | 0.066 U | 0.068 U | 0.063 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.045 U | 0.045 U | 0.043 U | 0.044 U | -- | 2.1 U | 0.043 U | 0.044 U | 0.044 U | 0.043 U | 0.042 U | 1.1 U | 0.044 U | 0.043 U | 0.043 U | 0.048 U | 0.05 U | 0.046 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.06 U | 0.06 U | 0.059 U | 0.059 U | -- | 2.8 U | 0.058 U | 0.06 U | 0.059 U | 0.058 U | 0.057 U | 1.4 U | 0.059 U | 0.057 U | 0.058 U | 0.065 U | 0.067 U | 0.062 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | -- | 0.2 | 0.0035 | 0.0011 U | 0.0011 U | 0.011 | 0.001 U | 0.044 | 0.025 | 0.0011 U | 0.0011 U | 0.0012 U | 0.0012 U | 0.11 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.00083 U | 0.00083 U | 0.00081 U | 0.00081 U | -- | 0.039 U | 0.0008 U | 0.00083 U | 0.00081 U | 0.0049 | 0.00079 U | 0.0077 U | 0.0041 U | 0.00079 U | 0.0008 U | 0.0009 U | 0.00093 U | 0.086 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.15 U | 0.15 U | 0.15 U | 0.15 U | -- | 6.9 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 3.5 U | 0.15 U | 0.15 U | 0.15 U | 0.17 U | 0.17 U | 0.16 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-13 | BD-13 | BD-13 | BD-13 | BD-13 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-14 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-15 | BD-16 |
| | | | Sample Name | | | | | BD-13 | | | | | | | | | | | | | |
| | | | Start Depth | 36 | 36 | 9 | 9 | 7 | 0 | 0.5 | 19 | 36 | 4 | 9 | 0 | 0.5 | 19 | 37 | 4 | 9 | 19 |
| | | | End Depth | 37 | 37 | 10 | 10 | 7 | 0.5 | 1.5 | 20 | 37 | 5 | 10 | 0.5 | 1.5 | 20 | 38 | 5 | 10 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 9/23/2013 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 6/20/2012 |
| | | | Parent Sample | BD-13-37_51212 | | BD-13-10_51210 | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.15 J | 0.035 U | 0.84 U | 0.041 J | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.0009 U | 0.0009 U | 0.0036 J | 0.0047 J | 0.1 U | 0.042 U | 0.3 | 0.0009 U | 0.00089 U | 0.42 D | 0.0049 J | 0.12 | 0.81 | 0.00086 U | 0.00087 U | 0.0044 J | 0.0011 U | **21** |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.46 |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 UJ- |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.00095 U | 0.00095 U | 0.00093 U | 0.00093 U | -- | 0.044 U | 0.0014 J | 0.00095 U | 0.00094 U | 0.0085 | 0.00091 U | 0.0088 U | 0.016 J | 0.00091 U | 0.00092 U | 0.0011 U | 0.0011 U | 0.099 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.043 U | 0.043 U | 0.042 U | 0.042 U | -- | 2 U | 0.042 U | 0.043 U | 0.043 U | 0.042 U | 0.041 U | 1 U | 0.043 U | 0.042 U | 0.042 U | 0.047 U | 0.048 U | 0.045 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 1.5 |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.63 U | 0.63 U | 0.61 U | 0.61 U | -- | 29 U | 0.61 U | 0.62 U | 0.62 U | 0.6 U | 0.6 U | 15 U | 0.62 U | 0.6 U | 0.6 U | 0.68 U | 0.7 U | 0.65 UJ- |
| Phenanthrene | mg/Kg | 24.5 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.056 J | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Phenol | mg/Kg | 100000 | 100 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.035 U | 0.84 U | 0.036 U | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | -- | 1.7 U | 0.036 U | 0.037 U | 0.036 U | 0.12 J | 0.035 U | 0.84 U | 0.043 J | 0.035 U | 0.036 U | 0.04 U | 0.041 U | 0.038 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-17 | BD-19 | BD-19 | BD-19 | BD-20 | BD-20 | BD-20 | BD-3 | BD-3 | BD-3 | BD-3 | BD-4 | BD-4 | BD-5 | BD-5 | BD-5 | BD-5 | BD-5 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | BD-5 |
| | | | Start Depth | 19 | 5 | 7 | 9 | 4 | 7 | 9 | 18 | 27 | 4 | 8 | 14 | 21 | 19 | 27 | 4 | 9 | 2.5 |
| | | | End Depth | 20 | 6 | 8 | 10 | 5 | 8 | 10 | 19 | 28 | 5 | 9 | 15 | 22 | 20 | 28 | 5 | 10 | 2.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 6/20/2012 | 6/21/2012 | 6/21/2012 | 6/21/2012 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 9/23/2013 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.04 J | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.11 U | 0.0053 U | 0.0051 U | 0.0053 U | 0.0051 U | 0.017 U | 0.0052 U | 0.0053 U | 0.0054 U | 0.0051 U | 0.0052 U | 0.0053 U | 0.0063 U | 0.0053 U | 0.0055 U | 0.0052 U | 0.0052 U | -- |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.04 U | 0.039 U | 0.037 U | 0.039 U | 0.037 U | 0.041 U | 0.038 U | 0.039 U | 0.04 U | 0.037 U | 0.038 U | 0.039 U | 0.046 U | 0.039 U | 0.04 U | 0.038 U | 0.038 U | -- |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.99 U | 0.96 U | 0.93 U | 0.97 U | 0.92 U | 1.1 U | 0.96 U | 0.97 U | 0.99 U | 0.92 U | 0.95 U | 0.97 U | 1.2 U | 0.96 U | 1 U | 0.94 U | 0.95 U | -- |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.043 U | 0.042 U | 0.041 U | 0.042 U | 0.04 U | 0.045 U | 0.042 U | 0.042 U | 0.043 U | 0.04 U | 0.041 U | 0.042 U | 0.05 U | 0.042 U | 0.043 U | 0.041 U | 0.041 U | -- |
| 2-Methylnaphthalene | mg/Kg | | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.59 U | 0.57 U | 0.55 U | 0.57 U | 0.55 U | 0.61 U | 0.56 U | 0.57 U | 0.59 U | 0.54 U | 0.56 U | 0.57 U | 0.68 U | 0.57 U | 0.59 U | 0.56 U | 0.56 U | -- |
| 2-Nitrophenol | mg/Kg | | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.049 U | 0.047 U | 0.046 U | 0.048 U | 0.045 U | 0.051 U | 0.047 U | 0.047 U | 0.049 U | 0.045 U | 0.047 U | 0.048 U | 0.057 U | 0.047 U | 0.049 U | 0.046 U | 0.047 U | -- |
| 3-Nitroaniline | mg/Kg | | | 0.6 UJ- | 0.59 UJ- | 0.57 UJ- | 0.59 UJ- | 0.56 UJ- | 0.63 UJ- | 0.58 UJ- | 0.59 U | 0.61 U | 0.56 U | 0.58 U | 0.59 U | 0.71 U | 0.59 U | 0.61 U | 0.57 U | 0.58 U | -- |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.038 UJ- | 0.036 UJ- | 0.035 UJ- | 0.037 UJ- | 0.035 UJ- | 0.039 UJ- | 0.036 UJ- | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| 4-Nitroaniline | mg/Kg | | | 0.47 U | 0.45 U | 0.44 U | 0.46 U | 0.44 U | 0.49 U | 0.45 U | 0.45 U | 0.47 U | 0.44 U | 0.45 U | 0.46 U | 0.55 U | 0.45 U | 0.47 U | 0.44 U | 0.45 U | -- |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.58 U | 0.56 U | 0.54 U | 0.57 U | 0.54 U | 0.6 U | 0.56 U | 0.56 U | 0.58 U | 0.54 U | 0.56 U | 0.57 U | 0.68 U | 0.56 U | 0.58 U | 0.55 U | 0.56 U | -- |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Acenaphthylene | mg/Kg | 147 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Acetophenone | mg/Kg | 1740 | | 0.049 U | 0.047 U | 0.046 U | 0.048 U | 0.045 U | 0.051 U | 0.047 U | 0.047 U | 0.049 U | 0.045 U | 0.047 U | 0.048 U | 0.057 U | 0.047 U | 0.049 U | 0.046 U | 0.047 U | -- |
| Aniline | mg/Kg | 336 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Anthracene | mg/Kg | 9920 | 11800 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.013 U | 0.008 | 0.1 | 0.017 | 0.0056 | 0.0093 J | 0.00061 U | 0.00061 U | 0.00063 U | 0.00059 U | 0.00061 U | 0.00062 U | 0.00074 U | 0.00061 U | 0.00064 U | 0.0006 U | 0.00061 U | -- |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.015 U | 0.011 | 0.12 | 0.02 | 0.0077 | 0.012 J | 0.00071 U | 0.00072 U | 0.00074 U | 0.00069 U | 0.00071 U | 0.00072 U | 0.00086 U | 0.00072 U | 0.00075 U | 0.0007 U | 0.00071 U | -- |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.025 U | 0.012 | 0.16 | 0.026 | 0.012 | 0.016 | 0.0012 U | 0.0012 U | 0.0013 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0015 U | 0.0012 U | 0.0013 U | 0.0012 U | 0.0012 U | -- |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.038 U | 0.036 U | 0.17 J | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.019 U | 0.0087 | 0.11 | 0.019 | 0.0094 | 0.011 J | 0.00088 U | 0.00088 U | 0.00091 U | 0.00085 U | 0.00087 U | 0.00089 U | 0.0011 U | 0.00088 U | 0.00091 U | 0.00086 U | 0.00087 U | -- |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.67 UR | 0.65 UR | 0.63 UR | 0.65 UR | 0.62 UR | 0.69 UR | 0.64 UR | 0.65 UJ- | 0.67 UJ- | 0.62 UJ- | 0.64 UJ- | 0.65 UJ- | 0.78 UJ- | 0.65 UJ- | 0.67 UJ- | 0.63 UJ- | 0.64 UJ- | -- |
| Benzyl alcohol | mg/Kg | 100000 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.064 J | 0.06 U | 0.27 J | 0.061 U | 0.058 U | 0.065 U | 0.06 U | 0.061 U | 0.062 U | 0.058 U | 0.06 U | 0.061 U | 0.073 U | 0.06 U | 0.063 U | 0.059 U | 0.06 U | -- |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.045 U | 0.044 U | 0.043 U | 0.044 U | 0.042 U | 0.047 U | 0.044 U | 0.044 U | 0.045 U | 0.042 U | 0.044 U | 0.044 U | 0.053 U | 0.044 U | 0.046 U | 0.043 U | 0.044 U | -- |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.061 U | 0.059 U | 0.057 U | 0.06 U | 0.057 U | 0.064 U | 0.059 U | 0.059 U | 0.061 U | 0.057 U | 0.059 U | 0.06 U | 0.071 U | 0.059 U | 0.062 U | 0.058 U | 0.059 U | -- |
| Chrysene | mg/Kg | 234 | 160 | 0.022 U | 0.011 | 0.13 | 0.024 | 0.011 | 0.014 | 0.0011 U | 0.0011 U | 0.0011 U | 0.001 U | 0.0011 U | 0.0011 U | 0.0013 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | -- |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.017 U | 0.0029 J | 0.033 | 0.0051 | 0.0024 J | 0.0027 U | 0.00081 U | 0.00082 U | 0.00085 U | 0.00079 U | 0.00081 U | 0.00083 U | 0.00099 U | 0.00082 U | 0.00085 U | 0.0008 U | 0.00081 U | -- |
| Dibenzofuran | mg/Kg | 2270 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Diethyl phthalate | mg/Kg | 100000 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.16 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.16 U | 0.15 U | 0.15 U | 0.16 U | 0.14 U | 0.15 U | 0.15 U | 0.18 U | 0.15 U | 0.16 U | 0.15 U | 0.15 U | -- |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-17 | BD-19 | BD-19 | BD-19 | BD-20 | BD-20 | BD-20 | BD-3 | BD-3 | BD-3 | BD-3 | BD-4 | BD-4 | BD-5 | BD-5 | BD-5 | BD-5 | BD-5 |
| | | | Sample Name | | | | | | | | | | | | | | | | | | BD-5 |
| | | | Start Depth | 19 | 5 | 7 | 9 | 4 | 7 | 9 | 18 | 27 | 4 | 8 | 14 | 21 | 19 | 27 | 4 | 9 | 2.5 |
| | | | End Depth | 20 | 6 | 8 | 10 | 5 | 8 | 10 | 19 | 28 | 5 | 9 | 15 | 22 | 20 | 28 | 5 | 10 | 2.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 6/20/2012 | 6/21/2012 | 6/21/2012 | 6/21/2012 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 9/23/2013 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.038 U | 0.036 U | 0.2 J | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Fluorene | mg/Kg | 3670 | 560 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | **4.6** | 0.015 | 0.061 | 0.19 | 0.046 | 0.88 | 0.0029 J | 0.029 | 0.019 | 0.055 | 0.11 | 0.046 | 0.0011 U | 0.0091 | 0.00093 U | 0.11 | 0.11 | 0.49 J |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | -- | 0.035 U | 0.036 U | 0.037 U | -- | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.038 UJ- | 0.036 UJ- | 0.035 UJ- | 0.037 UJ- | 0.035 UJ- | 0.039 UJ- | 0.036 UJ- | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.02 U | 0.0069 | 0.092 | 0.014 | 0.0063 | 0.0093 J | 0.00094 U | 0.00095 U | 0.00097 U | 0.0009 U | 0.00093 U | 0.00095 U | 0.0012 U | 0.00094 U | 0.00098 U | 0.00092 U | 0.00093 U | -- |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.044 U | 0.043 U | 0.042 U | 0.043 U | 0.041 U | 0.046 U | 0.043 U | 0.043 U | 0.044 U | 0.041 U | 0.043 U | 0.043 U | 0.052 U | 0.043 U | 0.045 U | 0.042 U | 0.042 U | -- |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Pentachlorobenzene | mg/Kg | 547 | | 0.29 J | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.06 J | 0.036 U | 0.037 J | 0.09 J | 0.088 J | 0.059 J | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.64 U | 0.62 U | 0.6 U | 0.62 U | 0.6 U | 0.66 U | 0.62 U | 0.62 U | 0.64 U | 0.59 U | 0.61 U | 0.63 U | 0.75 U | 0.62 U | 0.64 U | 0.61 U | 0.61 U | -- |
| Phenanthrene | mg/Kg | 24.5 | | 0.038 U | 0.036 U | 0.068 J | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Phenol | mg/Kg | 100000 | 100 | 0.038 U | 0.036 U | 0.035 U | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.038 U | 0.036 U | 0.24 J | 0.037 U | 0.035 U | 0.039 U | 0.036 U | 0.037 U | 0.038 U | 0.035 U | 0.036 U | 0.037 U | 0.044 U | 0.036 U | 0.038 U | 0.036 U | 0.036 U | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-6 | BD-6 | BD-6 | BD-6 | BD-6 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 0 | 19 | 22 | 4 | 9 | 0 | 0.5 | 19 | 24 | 4 | 9 | 0 | 0 | 0.5 | 0.5 | 19 | 19 |
| | | | End Depth | 0.5 | 20 | 23 | 5 | 10 | 0.5 | 1.5 | 20 | 25 | 5 | 10 | 0.5 | 0.5 | 1.5 | 1.5 | 20 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | | | | | BD-8-0.5_51033 | | BD-8-1.5_51193 | | BD-8-20_51195 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.015 U | 0.0051 U | 0.0061 U | 0.0052 U | 0.0055 U | 0.005 U | 0.0051 U | 0.0052 U | 0.0052 U | 0.0052 U | 0.0052 U | 0.005 U | 0.005 U | 0.0054 U | 0.0054 U | 0.0053 U | 0.0053 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.037 U | 0.037 U | 0.045 U | 0.038 U | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.038 U | 0.038 U | 0.038 U | 0.036 U | 0.036 U | 0.039 U | 0.039 U | 0.039 U | 0.039 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.91 U | 0.94 U | 1.2 U | 0.95 U | 1 U | 0.91 U | 0.94 U | 0.95 U | 0.95 U | 0.95 U | 0.96 U | 0.91 U | 0.9 U | 0.98 U | 0.98 U | 0.96 U | 0.97 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.04 U | 0.041 U | 0.048 U | 0.041 U | 0.044 U | 0.039 U | 0.041 U | 0.041 U | 0.041 U | 0.041 U | 0.042 U | 0.04 U | 0.039 U | 0.043 U | 0.043 U | 0.042 U | 0.042 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.54 U | 0.55 U | 0.66 U | 0.56 U | 0.59 U | 0.54 U | 0.55 U | 0.56 U | 0.56 U | 0.56 U | 0.56 U | 0.54 U | 0.53 U | 0.58 U | 0.58 U | 0.57 U | 0.57 U |
| 2-Nitrophenol | mg/Kg | | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.045 U | 0.046 U | 0.055 U | 0.047 U | 0.049 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.046 U | 0.047 U | 0.045 U | 0.044 U | 0.048 U | 0.048 U | 0.047 U | 0.048 U |
| 3-Nitroaniline | mg/Kg | | | 0.56 U | 0.57 U | 0.68 U | 0.58 U | 0.61 U | 0.55 U | 0.57 U | 0.58 U | 0.58 U | 0.58 U | 0.58 U | 0.55 U | 0.55 U | 0.6 U | 0.6 U | 0.59 U | 0.59 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| 4-Nitroaniline | mg/Kg | | | 0.43 U | 0.44 U | 0.52 U | 0.45 U | 0.47 U | 0.43 U | 0.44 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.43 U | 0.43 U | 0.46 U | 0.46 U | 0.45 U | 0.46 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.53 U | 0.55 U | 0.65 U | 0.55 U | 0.59 U | 0.53 U | 0.55 U | 0.55 U | 0.55 U | 0.55 U | 0.56 U | 0.53 U | 0.53 U | 0.57 U | 0.57 U | 0.56 U | 0.57 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Acenaphthylene | mg/Kg | 147 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Acetophenone | mg/Kg | 1740 | | 0.045 U | 0.046 U | 0.055 U | 0.047 U | 0.049 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.046 U | 0.047 U | 0.045 U | 0.044 U | 0.048 U | 0.048 U | 0.047 U | 0.048 U |
| Aniline | mg/Kg | 336 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.018 | 0.00059 U | 0.00071 U | 0.0006 U | 0.00064 U | 0.00058 U | 0.00059 U | 0.0006 U | 0.0006 U | 0.0006 U | 0.00061 U | 0.0048 | 0.0065 | 0.0041 | 0.0092 | 0.00061 U | 0.00062 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.019 | 0.0007 U | 0.00083 U | 0.00071 U | 0.00075 U | 0.00068 U | 0.0007 U | 0.00071 U | 0.00071 U | 0.00071 U | 0.00071 U | 0.00068 U | 0.0082 | 0.00073 U | 0.00073 U | 0.00072 U | 0.00072 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.026 | 0.0012 U | 0.0014 U | 0.0012 U | 0.0013 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0095 | 0.0063 | 0.014 | 0.0012 U | 0.0012 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.018 | 0.00086 U | 0.0011 U | 0.00087 U | 0.00092 U | 0.00083 U | 0.00086 U | 0.00087 U | 0.00087 U | 0.00087 U | 0.00088 U | 0.00083 U | 0.0065 | 0.0059 | 0.007 | 0.00088 U | 0.00089 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.61 UJ- | 0.63 UJ- | 0.75 UJ- | 0.64 UJ- | 0.68 UJ- | 0.61 RU | 0.63 UJ- | 0.64 UJ- | 0.64 UJ- | 0.64 UJ- | 0.64 UJ- | 0.61 U | 0.61 UJ- | 0.66 U | 0.66 UJ- | 0.65 U | 0.65 UJ- |
| Benzyl alcohol | mg/Kg | 100000 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.057 U | 0.059 U | 0.07 U | 0.059 U | 0.063 U | 0.057 U | 0.059 U | 0.06 U | 0.06 U | 0.059 U | 0.06 U | 0.057 U | 0.057 U | 0.062 U | 0.061 U | 0.06 U | 0.061 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.042 U | 0.043 U | 0.051 U | 0.043 U | 0.046 U | 0.042 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.044 U | 0.042 U | 0.041 U | 0.045 U | 0.045 U | 0.044 U | 0.044 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.056 U | 0.058 U | 0.069 U | 0.058 U | 0.062 U | 0.056 U | 0.058 U | 0.059 U | 0.059 U | 0.058 U | 0.059 U | 0.056 U | 0.056 U | 0.06 U | 0.06 U | 0.059 U | 0.06 U |
| Chrysene | mg/Kg | 234 | 160 | 0.033 | 0.0011 U | 0.0013 U | 0.0011 U | 0.0011 U | 0.00098 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0062 | 0.011 | 0.0096 | 0.014 | 0.0011 U | 0.0011 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.0024 U | 0.0008 U | 0.00095 U | 0.00081 U | 0.00085 U | 0.00077 U | 0.0008 U | 0.00081 U | 0.00081 U | 0.0008 U | 0.00081 U | 0.00077 U | 0.00077 U | 0.00084 U | 0.00083 U | 0.00082 U | 0.00082 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.14 U | 0.15 U | 0.17 U | 0.15 U | 0.16 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.14 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-6 | BD-6 | BD-6 | BD-6 | BD-6 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-7 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 0 | 19 | 22 | 4 | 9 | 0 | 0.5 | 19 | 24 | 4 | 9 | 0 | 0 | 0.5 | 0.5 | 19 | 19 |
| | | | End Depth | 0.5 | 20 | 23 | 5 | 10 | 0.5 | 1.5 | 20 | 25 | 5 | 10 | 0.5 | 0.5 | 1.5 | 1.5 | 20 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/4/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | | | | | BD-8-0.5_51033 | | BD-8-1.5_51193 | | BD-8-20_51195 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.091 | 0.00087 U | 0.12 | 0.0039 J | 0.21 | 0.011 | 0.059 | 0.00088 U | 0.00088 U | 0.01 | 0.00089 U | 0.081 | 0.17 | 0.07 | 0.061 | 0.0091 | 0.013 |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.013 | 0.00092 U | 0.0011 U | 0.00093 U | 0.00098 U | 0.00089 U | 0.00092 U | 0.00093 U | 0.00093 U | 0.00093 U | 0.00094 U | 0.00089 U | 0.0048 | 0.00096 U | 0.00096 U | 0.00094 U | 0.00095 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | -- | -- |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.041 U | 0.042 U | 0.05 U | 0.042 U | 0.045 U | 0.041 U | 0.042 U | 0.042 U | 0.042 U | 0.042 U | 0.043 U | 0.041 U | 0.04 U | 0.044 U | 0.044 U | 0.043 U | 0.043 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.59 U | 0.6 U | 0.72 U | 0.61 U | 0.65 U | 0.58 U | 0.6 U | 0.61 U | 0.61 U | 0.61 U | 0.62 U | 0.59 U | 0.58 U | 0.63 U | 0.63 U | 0.62 U | 0.62 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Phenol | mg/Kg | 100000 | 100 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.035 U | 0.035 U | 0.042 U | 0.036 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.034 U | 0.034 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | BD-9 | BD-9 | BD-9 | BD-9 | NW-1 | NW-10 | NW-10 | NW-10 | NW-10 | NW-11 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 28 | 28 | 4 | 4 | 9 | 9 | 0 | 19 | 30 | 4 | 9 | 19 | 13 | 28 | 4 | 4 | 19 |
| | | | End Depth | 29 | 29 | 5 | 5 | 10 | 10 | 0.5 | 20 | 31 | 5 | 10 | 20 | 14 | 29 | 5 | 5 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/2/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/26/2011 |
| | | | Parent Sample | BD-8-29_51196 | | BD-8-5_51197 | | BD-8-10_51194 | | | | | | | | | | NW-10-5_51093 | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.053 J | 0.036 U | 0.027 U | 0.037 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.0053 U | 0.0053 U | 0.0052 U | 0.0052 U | 0.0053 U | 0.0053 U | 0.015 U | 0.0053 U | 0.006 U | 0.0051 U | 0.0053 U | 0.0056 U | 0.0052 U | 0.0053 U | 0.0052 U | 0.0055 U | 0.0053 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.039 U | 0.039 U | 0.038 U | 0.038 U | 0.039 U | 0.039 U | 0.036 U | 0.039 U | 0.044 U | 0.037 U | 0.039 U | 0.041 U | 0.038 U | 0.039 U | 0.038 U | 0.04 U | 0.039 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.028 U | 0.037 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.023 U | 0.037 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.026 U | 0.037 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.97 U | 0.97 U | 0.95 U | 0.95 U | 0.96 U | 0.98 U | 0.9 U | 0.97 U | 1.1 U | 0.93 U | 0.97 U | 1.1 U | 0.96 U | 0.97 U | 0.95 U | 1.1 U | 0.97 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.037 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.021 U | 0.037 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.018 U | 0.037 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.042 U | 0.042 U | 0.041 U | 0.041 U | 0.042 U | 0.042 U | 0.039 U | 0.042 U | 0.048 U | 0.04 U | 0.042 U | 0.044 U | 0.042 U | 0.042 U | 0.041 U | 0.044 U | 0.042 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.02 U | 0.037 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.57 U | 0.57 U | 0.56 U | 0.56 U | 0.57 U | 0.58 U | 0.53 U | 0.57 U | 0.65 U | 0.55 U | 0.57 U | 0.6 U | 0.56 U | 0.57 U | 0.56 U | 0.59 U | 0.57 U |
| 2-Nitrophenol | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.029 U | 0.037 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.032 U | 0.037 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.048 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.048 U | 0.044 U | 0.048 U | 0.054 U | 0.046 U | 0.048 U | 0.05 U | 0.047 U | 0.048 U | 0.047 U | 0.05 U | 0.048 U |
| 3-Nitroaniline | mg/Kg | | | 0.59 U | 0.59 U | 0.58 U | 0.58 U | 0.59 U | 0.59 U | 0.55 U | 0.59 U | 0.67 U | 0.57 U | 0.59 U | 0.62 U | 0.58 U | 0.59 U | 0.58 U | 0.61 U | 0.59 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.018 U | 0.037 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.016 U | 0.037 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.03 U | 0.037 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.035 U | 0.037 U |
| 4-Nitroaniline | mg/Kg | | | 0.46 U | 0.46 U | 0.45 U | 0.45 U | 0.45 U | 0.46 U | 0.43 U | 0.46 U | 0.52 U | 0.44 U | 0.46 U | 0.48 U | 0.45 U | 0.46 U | 0.45 U | 0.47 U | 0.46 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.57 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.57 U | 0.53 U | 0.57 U | 0.64 U | 0.54 U | 0.57 U | 0.59 U | 0.56 U | 0.57 U | 0.56 U | 0.59 U | 0.57 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.019 U | 0.037 U |
| Acenaphthylene | mg/Kg | 147 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.014 U | 0.037 U |
| Acetophenone | mg/Kg | 1740 | | 0.048 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.048 U | 0.044 U | 0.048 U | 0.054 U | 0.046 U | 0.048 U | 0.05 U | 0.047 U | 0.048 U | 0.047 U | 0.05 U | 0.048 U |
| Aniline | mg/Kg | 336 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.019 U | 0.037 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.022 U | 0.037 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.00062 U | 0.00061 U | 0.0006 U | 0.00061 U | 0.00061 U | 0.00062 U | 0.05 | 0.00062 U | 0.0007 U | 0.00059 U | 0.00062 U | 0.00065 U | 0.00061 U | 0.00062 U | 0.00061 U | 0.00064 U | 0.00062 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.00072 U | 0.00072 U | 0.00071 U | 0.00071 U | 0.00072 U | 0.00073 U | 0.045 | 0.00073 U | 0.00082 U | 0.00069 U | 0.00073 U | 0.00076 U | 0.00071 U | 0.00073 U | 0.00071 U | 0.00075 U | 0.00073 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0013 U | 0.046 | 0.0013 U | 0.0014 U | 0.0012 U | 0.0013 U | 0.0013 U | 0.0012 U | 0.0013 U | 0.0012 U | 0.0013 U | 0.0013 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.052 J | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.022 U | 0.037 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.00089 U | 0.00088 U | 0.00087 U | 0.00087 U | 0.00088 U | 0.00089 U | 0.048 | 0.00089 U | 0.0011 U | 0.00085 U | 0.00089 U | 0.00093 U | 0.00088 U | 0.00089 U | 0.00087 U | 0.00092 U | 0.00089 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.65 U | 0.65 UJ- | 0.64 U | 0.64 UJ- | 0.65 U | 0.66 UJ- | 0.61 UJ- | 0.66 UJ- | 0.74 UJ- | 0.63 UJ- | 0.66 UJ- | 0.69 UJ- | 0.64 U | 0.66 U | 0.64 U | 0.68 U | 0.66 U |
| Benzyl alcohol | mg/Kg | 100000 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.019 U | 0.037 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.061 U | 0.061 U | 0.06 U | 0.06 U | 0.06 U | 0.061 U | 0.057 U | 0.061 U | 0.069 U | 0.058 U | 0.061 U | 0.064 U | 0.06 U | 0.061 U | 0.06 U | 0.063 U | 0.061 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.044 U | 0.044 U | 0.043 U | 0.044 U | 0.044 U | 0.045 U | 0.041 U | 0.045 U | 0.05 U | 0.043 U | 0.045 U | 0.047 U | 0.044 U | 0.045 U | 0.044 U | 0.046 U | 0.045 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.06 U | 0.06 U | 0.059 U | 0.059 U | 0.059 U | 0.06 U | 0.056 U | 0.06 U | 0.068 U | 0.057 U | 0.06 U | 0.063 U | 0.059 U | 0.06 U | 0.059 U | 0.062 U | 0.06 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.06 | 0.0011 U | 0.0012 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.00082 U | 0.00082 U | 0.00081 U | 0.00081 U | 0.00082 U | 0.00083 U | 0.0023 U | 0.00083 U | 0.00094 U | 0.00079 U | 0.00083 U | 0.00087 U | 0.00081 U | 0.00083 U | 0.00081 U | 0.00086 U | 0.00083 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.14 U | 0.15 U | 0.17 U | 0.15 U | 0.15 U | 0.16 U | 0.15 U | 0.15 U | 0.15 U | 0.16 U | 0.15 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | BD-9 | BD-9 | BD-9 | BD-9 | NW-1 | NW-10 | NW-10 | NW-10 | NW-10 | NW-11 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 28 | 28 | 4 | 4 | 9 | 9 | 0 | 19 | 30 | 4 | 9 | 19 | 13 | 28 | 4 | 4 | 19 |
| | | | End Depth | 29 | 29 | 5 | 5 | 10 | 10 | 0.5 | 20 | 31 | 5 | 10 | 20 | 14 | 29 | 5 | 5 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/2/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/26/2011 |
| | | | Parent Sample | BD-8-29_51196 | | BD-8-5_51197 | | BD-8-10_51194 | | | | | | | | | | NW-10-5_51093 | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.058 J | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.0009 U | 0.0009 U | 0.00088 U | 0.00089 U | 0.00089 U | 0.00091 U | 0.043 | 0.0009 U | 0.0011 U | 0.00086 U | 0.0009 U | 0.00094 U | 0.0054 J | 0.0009 U | 0.00089 U | 0.00094 U | 0.0009 U |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.00095 U | 0.00095 U | 0.00093 U | 0.00093 U | 0.00095 U | 0.00096 U | 0.034 | 0.00095 U | 0.0011 U | 0.00091 U | 0.00095 U | 0.001 U | 0.00094 U | 0.00095 U | 0.00093 U | 0.00099 U | 0.00095 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Naphthalene | mg/Kg | 17.4 | 80 | -- | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.043 U | 0.043 U | 0.042 U | 0.043 U | 0.043 U | 0.044 U | 0.04 U | 0.043 U | 0.049 U | 0.042 U | 0.043 U | 0.045 U | 0.043 U | 0.043 U | 0.043 U | 0.045 U | 0.043 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.048 J | 0.15 J | 0.036 U | 0.038 U | 0.037 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.62 U | 0.62 U | 0.61 U | 0.61 U | 0.62 U | 0.63 U | 0.58 U | 0.63 U | 0.71 U | 0.6 U | 0.63 U | 0.66 U | 0.62 U | 0.63 U | 0.61 U | 0.65 U | 0.63 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Phenol | mg/Kg | 100000 | 100 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.062 J | 0.037 U | 0.042 U | 0.035 U | 0.037 U | 0.038 U | 0.036 U | 0.037 U | 0.036 U | 0.038 U | 0.037 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-11 | NW-11 | NW-11 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-13 | NW-13 | NW-13 | NW-13 | NW-14 | NW-14 | NW-14 | NW-14 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 25 | 4 | 9 | 0 | 0.5 | 19 | 26 | 4 | 9 | 19 | 28 | 4 | 9 | 19 | 21 | 4 | 4 |
| | | | End Depth | 26 | 5 | 10 | 0.5 | 1.5 | 20 | 27 | 5 | 10 | 20 | 29 | 5 | 10 | 20 | 22 | 5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/2/2011 | 5/2/2011 | 4/27/2011 | 4/27/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | NW-14-5_50969 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.026 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.017 U | 0.0052 U | 0.0054 U | 0.005 U | 0.0051 U | 0.0053 U | 0.0053 U | 0.0052 U | 0.0052 U | 0.0053 U | 0.0054 U | 0.0052 U | 0.0053 U | 0.0053 U | 0.0053 UJ- | 0.0052 U | 0.0052 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.04 U | 0.038 U | 0.039 U | 0.037 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.038 U | 0.039 U | 0.039 U | 0.038 U | 0.039 U | 0.039 U | 0.039 U | 0.038 U | 0.038 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.027 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.023 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.025 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.99 U | 0.95 U | 0.98 U | 0.91 U | 0.93 U | 0.96 U | 0.96 U | 0.95 U | 0.95 U | 0.96 U | 0.98 U | 0.94 U | 0.97 U | 0.98 U | 0.97 U | 0.95 U | 0.95 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.034 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.021 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.017 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.043 U | 0.041 U | 0.042 U | 0.04 U | 0.04 U | 0.042 U | 0.042 U | 0.041 U | 0.041 U | 0.042 U | 0.043 U | 0.041 U | 0.042 U | 0.042 U | 0.042 U | 0.041 U | 0.041 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.019 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.58 U | 0.56 U | 0.58 U | 0.54 U | 0.55 U | 0.57 U | 0.57 U | 0.56 U | 0.56 U | 0.57 U | 0.58 U | 0.56 U | 0.57 U | 0.58 U | 0.57 U | 0.56 U | 0.56 U |
| 2-Nitrophenol | mg/Kg | | | 0.028 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.032 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.048 U | 0.046 U | 0.048 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.048 U | 0.046 U | 0.048 U | 0.048 U | 0.048 U | 0.047 U | 0.047 U |
| 3-Nitroaniline | mg/Kg | | | 0.6 U | 0.58 U | 0.6 U | 0.55 U | 0.56 U | 0.58 U | 0.59 U | 0.58 U | 0.58 U | 0.59 U | 0.6 U | 0.57 U | 0.59 U | 0.59 U | 0.59 U | 0.58 U | 0.58 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.017 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.016 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.03 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.034 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| 4-Nitroaniline | mg/Kg | | | 0.46 U | 0.45 U | 0.46 U | 0.43 U | 0.44 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.46 U | 0.44 U | 0.46 U | 0.46 U | 0.46 U | 0.45 U | 0.45 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.58 U | 0.55 U | 0.57 U | 0.53 U | 0.54 U | 0.56 U | 0.56 U | 0.55 U | 0.56 U | 0.56 U | 0.57 U | 0.55 U | 0.57 U | 0.57 U | 0.57 U | 0.56 U | 0.56 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.018 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Acenaphthylene | mg/Kg | 147 | | 0.014 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Acetophenone | mg/Kg | 1740 | | 0.048 U | 0.046 U | 0.048 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.048 U | 0.046 U | 0.048 U | 0.048 U | 0.048 U | 0.047 U | 0.047 U |
| Aniline | mg/Kg | 336 | | 0.018 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.022 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.0019 U | 0.0006 U | 0.00062 U | 0.0017 J | 0.00059 U | 0.00061 U | 0.00061 U | 0.0006 U | 0.0006 U | 0.00061 U | 0.00062 U | 0.0006 U | 0.00062 U | 0.00062 U | 0.00062 UJ- | 0.0006 U | 0.00061 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.0022 U | 0.00071 U | 0.00073 U | 0.00068 U | 0.00069 U | 0.00071 U | 0.00072 U | 0.00071 U | 0.00071 U | 0.00072 U | 0.00073 U | 0.0007 U | 0.00072 U | 0.00073 U | 0.00072 UJ- | 0.00071 U | 0.00071 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0037 U | 0.0012 U | 0.0013 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0013 U | 0.0012 U | 0.0012 U | 0.0013 U | 0.0012 UJ- | 0.0012 U | 0.0012 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.022 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.0027 U | 0.00087 U | 0.00089 U | 0.00083 U | 0.00085 U | 0.00088 U | 0.00088 U | 0.00087 U | 0.00087 U | 0.00088 U | 0.0009 U | 0.00086 U | 0.00089 U | 0.00089 U | 0.00089 UJ- | 0.00087 U | 0.00087 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.66 U | 0.64 U | 0.66 U | 0.61 U | 0.62 U | 0.65 U | 0.65 U | 0.64 U | 0.64 U | 0.65 U | 0.66 U | 0.63 U | 0.65 U | 0.66 U | 0.65 U | 0.64 U | 0.64 U |
| Benzyl alcohol | mg/Kg | 100000 | | 0.018 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.062 U | 0.059 U | 0.061 U | 0.057 U | 0.058 U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | 0.06 U | 0.061 U | 0.059 U | 0.061 U | 0.061 U | 0.061 U | 0.06 U | 0.06 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.045 U | 0.043 U | 0.045 U | 0.042 U | 0.042 U | 0.044 U | 0.044 U | 0.043 U | 0.044 U | 0.044 U | 0.045 U | 0.043 U | 0.044 U | 0.045 U | 0.044 U | 0.044 U | 0.044 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.061 U | 0.058 U | 0.06 U | 0.056 U | 0.057 U | 0.059 U | 0.059 U | 0.058 U | 0.059 U | 0.059 U | 0.06 U | 0.058 U | 0.06 U | 0.06 U | 0.06 U | 0.059 U | 0.059 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0089 J | 0.0011 U | 0.0011 U | 0.0034 | 0.001 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 UJ- | 0.0011 U | 0.0011 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.0026 U | 0.0008 U | 0.00083 U | 0.00078 U | 0.00079 U | 0.00082 U | 0.00082 U | 0.00081 U | 0.00081 U | 0.00082 U | 0.00083 U | 0.0008 U | 0.00082 U | 0.00083 U | 0.00082 UJ- | 0.00081 U | 0.00081 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.15 U | 0.15 U | 0.15 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-11 | NW-11 | NW-11 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-12 | NW-13 | NW-13 | NW-13 | NW-13 | NW-14 | NW-14 | NW-14 | NW-14 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 25 | 4 | 9 | 0 | 0.5 | 19 | 26 | 4 | 9 | 19 | 28 | 4 | 9 | 19 | 21 | 4 | 4 |
| | | | End Depth | 26 | 5 | 10 | 0.5 | 1.5 | 20 | 27 | 5 | 10 | 20 | 29 | 5 | 10 | 20 | 22 | 5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/2/2011 | 5/2/2011 | 4/27/2011 | 4/27/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | NW-14-5_50969 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.52 | 0.16 | 0.0092 | 0.13 | 0.072 | 0.00089 U | 0.00089 U | 0.00088 U | 0.00088 U | 0.00089 U | 0.00091 U | 0.00087 U | 0.0009 U | 0.0009 U | 0.0009 UJ- | 0.0039 J | 0.00089 U |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.0029 U | 0.00093 U | 0.00096 U | 0.00089 U | 0.00091 U | 0.00094 U | 0.00094 U | 0.00093 U | 0.00093 U | 0.00095 U | 0.00096 U | 0.00092 U | 0.00095 U | 0.00096 U | 0.00095 UJ- | 0.00093 U | 0.00093 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | -- | 0.036 U | 0.036 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.044 U | 0.042 U | 0.044 U | 0.041 U | 0.041 U | 0.043 U | 0.043 U | 0.042 U | 0.042 U | 0.043 U | 0.044 U | 0.042 U | 0.043 U | 0.043 U | 0.043 U | 0.042 U | 0.043 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.64 U | 0.61 U | 0.63 U | 0.59 U | 0.6 U | 0.62 U | 0.62 U | 0.61 U | 0.61 U | 0.62 U | 0.63 U | 0.61 U | 0.62 U | 0.63 U | 0.62 U | 0.61 U | 0.61 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Phenol | mg/Kg | 100000 | 100 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.037 U | 0.036 U | 0.037 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-14 | NW-15 | NW-15 | NW-15 | NW-15 | NW-16 | NW-16 | NW-16 | NW-16 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-18 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 9 | 19 | 29 | 4 | 9 | 19 | 28 | 4 | 9 | 19 | 19 | 28 | 4 | 4 | 9 | 9 | 0 |
| | | | End Depth | 10 | 20 | 30 | 5 | 10 | 20 | 29 | 5 | 10 | 20 | 20 | 29 | 5 | 5 | 10 | 10 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | | | | | | | | | | NW-17-20_51150 | | | NW-17-5_51152 | | NW-17-10_50983 | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.0052 U | 0.0053 U | 0.0052 U | 0.0052 U | 0.0052 U | 0.0053 U | 0.0053 U | 0.0052 U | 0.0053 U | 0.0053 U | 0.0053 U | 0.0053 U | 0.0052 U | 0.0052 U | 0.0053 U | 0.0053 U | 0.025 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.038 U | 0.039 U | 0.038 U | 0.038 U | 0.038 U | 0.039 U | 0.039 U | 0.038 U | 0.039 U | 0.039 U | 0.039 U | 0.039 U | 0.038 U | 0.038 U | 0.039 U | 0.039 U | 0.036 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.94 U | 0.98 U | 0.94 U | 0.95 U | 0.95 U | 0.97 U | 0.97 U | 0.96 U | 0.97 U | 0.96 U | 0.97 U | 0.97 U | 0.94 U | 0.95 U | 0.96 U | 0.97 U | 0.9 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.041 U | 0.042 U | 0.041 U | 0.041 U | 0.041 U | 0.042 U | 0.042 U | 0.042 U | 0.042 U | 0.042 U | 0.042 U | 0.042 U | 0.041 U | 0.041 U | 0.042 U | 0.042 U | 0.039 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.56 U | 0.58 U | 0.55 U | 0.56 U | 0.56 U | 0.57 U | 0.57 U | 0.56 U | 0.57 U | 0.57 U | 0.57 U | 0.57 U | 0.56 U | 0.56 U | 0.57 U | 0.57 U | 0.53 U |
| 2-Nitrophenol | mg/Kg | | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.046 U | 0.048 U | 0.046 U | 0.046 U | 0.047 U | 0.048 U | 0.048 U | 0.047 U | 0.048 U | 0.047 U | 0.047 U | 0.048 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.044 U |
| 3-Nitroaniline | mg/Kg | | | 0.57 U | 0.59 U | 0.57 U | 0.58 U | 0.58 U | 0.59 U | 0.59 U | 0.58 U | 0.59 U | 0.59 U | 0.59 U | 0.59 U | 0.57 U | 0.58 U | 0.59 U | 0.59 U | 0.55 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| 4-Nitroaniline | mg/Kg | | | 0.44 U | 0.46 U | 0.44 U | 0.45 U | 0.45 U | 0.46 U | 0.46 U | 0.45 U | 0.46 U | 0.45 U | 0.46 U | 0.46 U | 0.44 U | 0.45 U | 0.45 U | 0.46 U | 0.42 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.55 U | -- | 0.55 U | 0.55 U | 0.55 U | 0.57 U | 0.57 U | 0.56 U | 0.57 U | 0.56 U | 0.56 U | 0.57 U | 0.55 U | 0.55 U | 0.56 U | 0.56 U | 0.53 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Acenaphthylene | mg/Kg | 147 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Acetophenone | mg/Kg | 1740 | | 0.046 U | 0.048 U | 0.046 U | 0.046 U | 0.047 U | 0.048 U | 0.048 U | 0.047 U | 0.048 U | 0.047 U | 0.047 U | 0.048 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.044 U |
| Aniline | mg/Kg | 336 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.0006 U | 0.00062 U | 0.0006 U | 0.0006 U | 0.0006 U | 0.00062 U | 0.00062 U | 0.00061 U | 0.00062 U | 0.00061 U | 0.00061 U | 0.00062 U | 0.0006 U | 0.0006 U | 0.00061 U | 0.00061 U | 0.032 |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.0007 U | 0.00073 U | 0.0007 U | 0.0007 U | 0.00071 U | 0.00072 U | 0.00072 U | 0.00071 U | 0.00072 U | 0.00072 U | 0.00072 U | 0.00072 U | 0.0007 U | 0.00071 U | 0.00072 U | 0.00072 U | 0.022 |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0012 U | 0.0013 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.041 |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.041 J |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.00086 U | 0.00089 U | 0.00086 U | 0.00087 U | 0.00087 U | 0.00089 U | 0.00089 U | 0.00088 U | 0.00089 U | 0.00088 U | 0.00088 U | 0.00089 U | 0.00086 U | 0.00087 U | 0.00088 U | 0.00088 U | 0.029 |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.63 U | 0.66 U | 0.63 U | 0.64 U | 0.64 U | 0.65 RU | 0.65 U | 0.64 U | 0.65 U | 0.65 RU | 0.65 UJ- | 0.65 UJ- | 0.64 U | 0.64 UJ- | 0.65 U | 0.65 UJ- | 0.61 UJ- |
| Benzyl alcohol | mg/Kg | 100000 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.059 U | 0.061 U | 0.059 U | 0.059 U | 0.06 U | 0.061 U | 0.061 U | 0.06 U | 0.061 U | 0.06 U | 0.061 U | 0.061 U | 0.059 U | 0.059 U | 0.06 U | 0.061 U | 2.6 |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.043 U | 0.045 U | 0.043 U | 0.043 U | 0.043 U | 0.044 U | 0.044 U | 0.044 U | 0.044 U | 0.044 U | 0.044 U | 0.044 U | 0.043 U | 0.043 U | 0.044 U | 0.044 U | 0.041 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.058 U | 0.06 U | 0.058 U | 0.058 U | 0.059 U | 0.06 U | 0.06 U | 0.059 U | 0.06 U | 0.059 U | 0.06 U | 0.06 U | 0.058 U | 0.058 U | 0.059 U | 0.06 U | 0.055 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.088 |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.0008 U | 0.00083 U | 0.0008 U | 0.0008 U | 0.00081 U | 0.00083 U | 0.00083 U | 0.00081 U | 0.00083 U | 0.00082 U | 0.00082 U | 0.00082 U | 0.0008 U | 0.00081 U | 0.00082 U | 0.00082 U | 0.0039 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.14 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-14 | NW-15 | NW-15 | NW-15 | NW-15 | NW-16 | NW-16 | NW-16 | NW-16 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-17 | NW-18 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 9 | 19 | 29 | 4 | 9 | 19 | 28 | 4 | 9 | 19 | 19 | 28 | 4 | 4 | 9 | 9 | 0 |
| | | | End Depth | 10 | 20 | 30 | 5 | 10 | 20 | 29 | 5 | 10 | 20 | 20 | 29 | 5 | 5 | 10 | 10 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | | | | | | | | | | NW-17-20_51150 | | | NW-17-5_51152 | | NW-17-10_50983 | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.071 J |
| Fluorene | mg/Kg | 3670 | 560 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.029 | 0.00091 U | 0.00087 U | 0.00088 U | 0.00088 U | 0.0009 U | 0.0009 U | 0.00089 U | 0.0009 U | 0.00089 U | 0.0009 U | 0.0069 J | 0.0082 | 0.0096 | 0.011 | 0.01 | 0.056 |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.00092 U | 0.00096 U | 0.00092 U | 0.00093 U | 0.00093 U | 0.00095 U | 0.00095 U | 0.00094 U | 0.00095 U | 0.00094 U | 0.00095 U | 0.00095 U | 0.00092 U | 0.00093 U | 0.00095 U | 0.00095 U | 0.022 |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.042 U | 0.044 U | 0.042 U | 0.042 U | 0.042 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.042 U | 0.042 U | 0.043 U | 0.043 U | 0.04 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.61 U | 0.63 U | 0.61 U | 0.61 U | 0.61 U | 0.63 U | 0.63 U | 0.62 U | 0.62 U | 0.62 U | 0.62 U | 0.62 U | 0.61 U | 0.61 U | 0.62 U | 0.62 U | 0.58 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Phenol | mg/Kg | 100000 | 100 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.034 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.036 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.037 U | 0.036 U | 0.037 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.05 J |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-18 | NW-18 | NW-18 | NW-18 | NW-18 | NW-19 | NW-19 | NW-19 | NW-19 | NW-19 | NW-19 | NW-2 | NW-2 | NW-20 | NW-20 | NW-20 | NW-21 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 0.5 | 19 | 28 | 4 | 9 | 0 | 0.5 | 19 | 29 | 4 | 9 | 19 | 19 | 12 | 15 | 19 | 12 |
| | | | End Depth | 1.5 | 20 | 29 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 5 | 10 | 20 | 20 | 13 | 16 | 20 | 13 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/2/2011 | 5/2/2011 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 |
| | | | Parent Sample | | | | | | | | | | | | NW-2-20_51254 | | | | | NW-21-13_51779 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.0051 U | 0.0053 U | 0.006 U | 0.0052 U | 0.0052 U | 0.0051 U | 0.0051 U | 0.0053 U | 0.0053 U | 0.0053 U | 0.0053 U | 0.006 U | 0.0059 U | 0.0052 U | 0.0056 U | 0.0054 U | 0.0052 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.038 U | 0.039 U | 0.044 U | 0.038 U | 0.038 U | 0.037 U | 0.037 U | 0.039 U | 0.039 U | 0.038 U | 0.038 U | 0.044 U | 0.043 U | 0.038 U | 0.041 U | 0.04 U | 0.038 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.94 U | 0.96 U | 1.1 U | 0.96 U | 0.95 U | 0.92 U | 0.94 U | 0.97 U | 0.96 U | 0.96 U | 0.96 U | 1.1 U | 1.1 U | 0.95 U | 1.1 U | 0.99 U | 0.95 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.041 U | 0.042 U | 0.047 U | 0.042 U | 0.041 U | 0.04 U | 0.041 U | 0.042 U | 0.042 U | 0.042 U | 0.042 U | 0.047 U | 0.047 U | 0.041 U | 0.044 U | 0.043 U | 0.041 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.55 U | 0.57 U | 0.64 U | 0.56 U | 0.56 U | 0.54 U | 0.55 U | 0.57 U | 0.57 U | 0.57 U | 0.57 U | 0.64 U | 0.63 U | 0.56 U | 0.6 U | 0.58 U | 0.56 U |
| 2-Nitrophenol | mg/Kg | | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.046 U | 0.047 U | 0.053 U | 0.047 U | 0.047 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.054 U | 0.053 U | 0.047 U | 0.05 U | 0.048 U | 0.047 U |
| 3-Nitroaniline | mg/Kg | | | 0.57 U | 0.58 U | 0.66 U | 0.58 U | 0.58 U | 0.56 U | 0.57 U | 0.59 U | 0.59 U | 0.58 U | 0.58 U | 0.66 U | 0.65 U | 0.58 UJ- | 0.62 UJ- | 0.6 UJ- | 0.58 UJ- |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 UJ- | 0.039 UJ- | 0.037 UJ- | 0.036 UJ- |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| 4-Nitroaniline | mg/Kg | | | 0.44 U | 0.45 U | 0.51 U | 0.45 U | 0.45 U | 0.43 U | 0.44 U | 0.45 U | 0.45 U | 0.45 U | 0.45 U | 0.51 U | 0.5 U | 0.45 U | 0.48 U | 0.46 U | 0.45 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.55 U | 0.56 U | 0.64 U | 0.56 U | 0.55 U | 0.54 U | 0.55 U | 0.56 U | 0.56 U | 0.56 U | 0.56 U | 0.64 U | 0.63 U | 0.56 U | 0.59 U | 0.58 U | 0.55 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Acenaphthylene | mg/Kg | 147 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Acetophenone | mg/Kg | 1740 | | 0.046 U | 0.047 U | 0.053 U | 0.047 U | 0.047 U | 0.045 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.047 U | 0.054 U | 0.053 U | 0.047 U | 0.05 U | 0.048 U | 0.047 U |
| Aniline | mg/Kg | 336 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.0006 U | 0.00061 U | 0.00069 U | 0.00061 U | 0.0006 U | 0.00059 U | 0.00059 U | 0.00061 U | 0.00061 U | 0.00061 U | 0.00061 U | 0.00069 U | 0.00068 U | 0.0011 J | 0.011 | 0.00063 U | 0.0014 J |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.0007 U | 0.00072 U | 0.00081 U | 0.00071 U | 0.00071 U | 0.00069 U | 0.0007 U | 0.00072 U | 0.00072 U | 0.00071 U | 0.00072 U | 0.00081 U | 0.0008 U | 0.00071 U | 0.01 | 0.00074 U | 0.0018 J |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0012 U | 0.0012 U | 0.0014 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0014 U | 0.0014 U | 0.0014 J | 0.015 | 0.0013 U | 0.0025 J |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.00086 U | 0.00088 U | 0.001 U | 0.00087 U | 0.00087 U | 0.00084 U | 0.00086 U | 0.00088 U | 0.00088 U | 0.00088 U | 0.00088 U | 0.001 U | 0.00098 U | 0.0011 J | 0.011 | 0.0009 U | 0.0018 J |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.63 UJ- | 0.65 UJ- | 0.73 UJ- | 0.64 UJ- | 0.64 UJ- | 0.62 UJ- | 0.63 UJ- | 0.65 UJ- | 0.65 UJ- | 0.65 UJ- | 0.65 UJ- | 0.73 U | 0.72 U | 0.64 UR | 0.69 UR | 0.66 UR | 0.64 UR |
| Benzyl alcohol | mg/Kg | 100000 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.059 U | 0.06 U | 0.068 U | 0.06 U | 0.059 U | 0.058 U | 0.059 U | 0.061 U | 0.06 U | 0.06 U | 0.06 U | 0.068 U | 0.067 U | 0.06 U | 0.19 J | 0.062 U | 0.06 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.043 U | 0.044 U | 0.05 U | 0.044 U | 0.043 U | 0.042 U | 0.043 U | 0.044 U | 0.044 U | 0.044 U | 0.044 U | 0.05 U | 0.049 U | 0.044 U | 0.047 U | 0.045 U | 0.043 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.058 U | 0.059 U | 0.067 U | 0.059 U | 0.058 U | 0.057 U | 0.058 U | 0.059 U | 0.059 U | 0.059 U | 0.059 U | 0.067 U | 0.066 U | 0.059 U | 0.063 U | 0.061 U | 0.059 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0011 U | 0.0011 U | 0.0012 U | 0.0011 U | 0.0011 U | 0.0024 J | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0012 U | 0.0012 U | 0.0014 J | 0.014 | 0.0011 U | 0.0025 J |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.0008 U | 0.00082 U | 0.00093 U | 0.00081 U | 0.00081 U | 0.00078 U | 0.0008 U | 0.00082 U | 0.00082 U | 0.00082 U | 0.00082 U | 0.00093 U | 0.00091 U | 0.00081 U | 0.0027 J | 0.00084 U | 0.00081 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.068 J | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.15 U | 0.15 U | 0.17 U | 0.15 U | 0.15 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.17 U | 0.17 U | 0.15 U | 0.16 U | 0.15 U | 0.15 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-18 | NW-18 | NW-18 | NW-18 | NW-18 | NW-19 | NW-19 | NW-19 | NW-19 | NW-19 | NW-19 | NW-2 | NW-2 | NW-20 | NW-20 | NW-20 | NW-21 |
| | | | Sample Name | | | | | | | | | | | | | | | | | |
| | | | Start Depth | 0.5 | 19 | 28 | 4 | 9 | 0 | 0.5 | 19 | 29 | 4 | 9 | 19 | 19 | 12 | 15 | 19 | 12 |
| | | | End Depth | 1.5 | 20 | 29 | 5 | 10 | 0.5 | 1.5 | 20 | 30 | 5 | 10 | 20 | 20 | 13 | 16 | 20 | 13 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/2/2011 | 5/2/2011 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 |
| | | | Parent Sample | | | | | | | | | | | | NW-2-20_51254 | | | | | NW-21-13_51779 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.00087 U | 0.00089 U | 0.0011 U | 0.00089 U | 0.00088 U | 0.0056 J | 0.00087 U | 0.0009 U | 0.00089 U | 0.00089 U | 0.00089 U | 0.0011 U | 0.00099 U | 0.049 | 0.27 | 0.0093 | 0.18 |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 UJ- | 0.039 UJ- | 0.037 UJ- | 0.036 UJ- |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.00092 U | 0.00094 U | 0.0011 U | 0.00094 U | 0.00093 U | 0.0009 U | 0.00092 U | 0.00095 U | 0.00095 U | 0.00094 U | 0.00094 U | 0.0011 U | 0.0011 U | 0.0011 J | 0.0069 | 0.00097 U | 0.0011 J |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.042 U | 0.043 U | 0.049 U | 0.043 U | 0.042 U | 0.041 U | 0.042 U | 0.043 U | 0.043 U | 0.043 U | 0.043 U | 0.049 U | 0.048 U | 0.043 U | 0.045 U | 0.044 U | 0.042 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.6 U | 0.62 U | 0.7 U | 0.62 U | 0.61 U | 0.59 U | 0.6 U | 0.62 U | 0.62 U | 0.62 U | 0.62 U | 0.7 U | 0.69 U | 0.61 U | 0.66 U | 0.63 U | 0.61 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Phenol | mg/Kg | 100000 | 100 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.039 U | 0.037 U | 0.036 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.035 U | 0.036 U | 0.041 U | 0.036 U | 0.036 U | 0.035 U | 0.035 U | 0.037 U | 0.036 U | 0.036 U | 0.036 U | 0.041 U | 0.04 U | 0.036 U | 0.041 J | 0.037 U | 0.036 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-21 | NW-21 | NW-21 | NW-23 | NW-23 | NW-24 | NW-24 | NW-3 | NW-3 | NW-3 | NW-3 | NW-4 | NW-4 | NW-4 | NW-4 | NW-4 | NW-4 | NW-5 |
| | | | Sample Name | | | | | NW-23 | Duplicate Beta Ditch | NW-24 | | | | | | | | | | | |
| | | | Start Depth | 12 | 15 | 19 | 9 | 9 | 2 | 2 | 10 | 20 | 27 | 4 | 0 | 0.5 | 10 | 20 | 28 | 4 | 19 |
| | | | End Depth | 13 | 16 | 20 | 10 | 9 | 2 | 2 | 11 | 21 | 28 | 5 | 0.5 | 1.5 | 11 | 21 | 29 | 5 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 9/12/2013 | 8/23/2013 | 8/23/2013 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 4/26/2011 |
| | | | Parent Sample | | | | | | NW-24_08/23/13 | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.076 J |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.0052 U | 0.0051 U | 0.0053 U | 0.021 U | -- | -- | -- | 0.0054 U | 0.0054 U | 0.0059 U | 0.0052 U | 0.0049 U | 0.0051 U | 0.0053 U | 0.0055 U | 0.0058 U | 0.0052 U | 0.0055 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.038 U | 0.038 U | 0.039 U | 0.037 U | -- | -- | -- | 0.039 U | 0.039 U | 0.043 U | 0.038 U | 0.036 U | 0.037 U | 0.039 U | 0.04 U | 0.042 U | 0.038 U | 0.04 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 0.94 U | 0.94 U | 0.97 U | 0.93 U | -- | -- | -- | 0.98 U | 0.98 U | 1.1 U | 0.94 U | 0.9 U | 0.94 U | 0.97 U | 1 U | 1.1 U | 0.94 U | 1 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.041 U | 0.041 U | 0.042 U | 0.04 U | -- | -- | -- | 0.042 U | 0.043 U | 0.047 U | 0.041 U | 0.039 U | 0.041 U | 0.042 U | 0.044 U | 0.046 U | 0.041 U | 0.043 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.56 U | 0.55 U | 0.57 U | 0.55 U | -- | -- | -- | 0.58 U | 0.58 U | 0.63 U | 0.56 U | 0.53 U | 0.55 U | 0.57 U | 0.59 U | 0.62 U | 0.55 U | 0.59 U |
| 2-Nitrophenol | mg/Kg | | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.046 U | 0.046 U | 0.047 U | 0.046 U | -- | -- | -- | 0.048 U | 0.048 U | 0.053 U | 0.046 U | 0.044 U | 0.046 U | 0.048 U | 0.049 U | 0.052 U | 0.046 U | 0.049 U |
| 3-Nitroaniline | mg/Kg | | | 0.57 UJ- | 0.57 UJ- | 0.59 UJ- | 0.57 UJ- | -- | -- | -- | 0.6 U | 0.6 U | 0.65 U | 0.57 U | 0.55 U | 0.57 U | 0.59 U | 0.61 U | 0.64 U | 0.57 U | 0.61 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.036 UJ- | 0.036 UJ- | 0.037 UJ- | 0.035 UJ- | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| 4-Nitroaniline | mg/Kg | | | 0.44 U | 0.44 U | 0.46 U | 0.44 U | -- | -- | -- | 0.46 U | 0.46 U | 0.5 U | 0.44 U | 0.42 U | 0.44 U | 0.46 U | 0.47 U | 0.5 U | 0.44 U | 0.47 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.55 U | 0.55 U | 0.56 U | 0.54 U | -- | -- | -- | 0.57 U | 0.57 U | 0.62 U | 0.55 U | 0.52 U | 0.55 U | 0.57 U | 0.59 U | 0.62 U | 0.55 U | 0.58 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Acenaphthylene | mg/Kg | 147 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Acetophenone | mg/Kg | 1740 | | 0.046 U | 0.046 U | 0.047 U | 0.046 U | -- | -- | -- | 0.048 U | 0.048 U | 0.053 U | 0.046 U | 0.044 U | 0.046 U | 0.048 U | 0.049 U | 0.052 U | 0.046 U | 0.049 U |
| Aniline | mg/Kg | 336 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.0014 J | 0.0006 U | 0.00061 U | 0.0024 U | -- | -- | -- | 0.00062 U | 0.0041 | 0.00068 U | 0.0006 U | 0.012 | 0.017 | 0.00062 U | 0.00064 U | 0.00067 U | 0.0006 U | 0.00063 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.0007 U | 0.0007 U | 0.00072 U | 0.0028 U | -- | -- | -- | 0.00073 U | 0.00073 U | 0.0008 U | 0.0007 U | 0.01 | 0.011 | 0.00072 U | 0.00075 U | 0.00079 U | 0.0007 U | 0.00074 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0021 J | 0.0012 U | 0.0012 U | 0.0046 U | -- | -- | -- | 0.0013 U | 0.0041 | 0.0014 U | 0.0012 U | 0.028 | 0.024 | 0.0012 U | 0.0013 U | 0.0014 U | 0.0012 U | 0.0013 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.0011 J | 0.00086 U | 0.00088 U | 0.0034 U | -- | -- | -- | 0.00089 U | 0.0037 J | 0.00098 U | 0.00086 U | 0.0081 | 0.018 | 0.00089 U | 0.00092 U | 0.00097 U | 0.00086 U | 0.00091 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.64 UR | 0.63 UR | 0.65 UR | 0.63 UR | -- | -- | -- | 0.66 UJ- | 0.66 UJ- | 0.72 UJ- | 0.64 UJ- | 0.6 UJ- | 0.63 UJ- | 0.65 UJ- | 0.68 UJ- | 0.71 UJ- | 0.63 UJ- | 0.67 U |
| Benzyl alcohol | mg/Kg | 100000 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.059 U | 0.059 U | 0.061 U | 0.058 U | -- | -- | -- | 0.061 U | 0.061 U | 0.067 U | 0.059 U | 0.056 U | 0.059 U | 0.061 U | 0.063 U | 0.066 U | 0.059 U | 0.063 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.043 U | 0.043 U | 0.044 U | 0.043 U | -- | -- | -- | 0.045 U | 0.045 U | 0.049 U | 0.043 U | 0.041 U | 0.043 U | 0.044 U | 0.046 U | 0.048 U | 0.043 U | 0.046 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.058 U | 0.058 U | 0.06 U | 0.057 U | -- | -- | -- | 0.06 U | 0.06 U | 0.066 U | 0.058 U | 0.055 U | 0.058 U | 0.06 U | 0.062 U | 0.065 U | 0.058 U | 0.061 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0028 J | 0.0011 U | 0.0011 U | 0.004 U | -- | -- | -- | 0.0011 U | 0.0081 | 0.0012 U | 0.0011 U | 0.025 | 0.034 | 0.0011 U | 0.0011 U | 0.0012 U | 0.0011 U | 0.0011 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.0008 U | 0.0008 U | 0.00082 U | 0.0032 U | -- | -- | -- | 0.00083 U | 0.00083 U | 0.00091 U | 0.0008 U | 0.00076 U | 0.0008 U | 0.00083 U | 0.00085 U | 0.0009 U | 0.0008 U | 0.00085 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.15 U | 0.15 U | 0.15 U | 0.15 U | -- | -- | -- | 0.15 U | 0.15 U | 0.17 U | 0.15 U | 0.14 U | 0.15 U | 0.15 U | 0.16 U | 0.17 U | 0.15 U | 0.16 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-21 | NW-21 | NW-21 | NW-23 | NW-23 | NW-24 | NW-24 | NW-3 | NW-3 | NW-3 | NW-3 | NW-4 | NW-4 | NW-4 | NW-4 | NW-4 | NW-4 | NW-5 |
| | | | Sample Name | | | | | NW-23 | Duplicate Beta Ditch | NW-24 | | | | | | | | | | | |
| | | | Start Depth | 12 | 15 | 19 | 9 | 9 | 2 | 2 | 10 | 20 | 27 | 4 | 0 | 0.5 | 10 | 20 | 28 | 4 | 19 |
| | | | End Depth | 13 | 16 | 20 | 10 | 9 | 2 | 2 | 11 | 21 | 28 | 5 | 0.5 | 1.5 | 11 | 21 | 29 | 5 | 20 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 9/12/2013 | 8/23/2013 | 8/23/2013 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 5/2/2011 | 4/26/2011 |
| | | | Parent Sample | | | | | | NW-24_08/23/13 | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.049 J | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.21 | 0.0021 J | 0.0062 J | 0.56 | 0.16 J | 0.11 U | 0.11 U | 0.19 | 0.00091 U | 0.00099 U | 0.078 | 0.11 | 0.096 | 0.0009 U | 0.31 | 0.0044 J | 0.019 | 0.0034 J |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | -- | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | -- |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.036 UJ- | 0.036 UJ- | 0.037 UJ- | 0.035 UJ- | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.00092 U | 0.00092 U | 0.00095 U | 0.0037 U | -- | -- | -- | 0.00096 U | 0.00096 U | 0.0011 U | 0.00092 U | 0.012 | 0.012 | 0.00095 U | 0.00098 U | 0.0011 U | 0.00092 U | 0.00098 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.042 U | 0.042 U | 0.043 U | 0.041 U | -- | -- | -- | 0.044 U | 0.044 U | 0.048 U | 0.042 U | 0.04 U | 0.042 U | 0.043 U | 0.045 U | 0.047 U | 0.042 U | 0.045 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.036 U | 0.036 U | 0.037 U | 0.051 J | -- | -- | -- | 0.044 J | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.3 J |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.61 U | 0.6 U | 0.62 U | 0.6 U | -- | -- | -- | 0.63 U | 0.63 U | 0.69 U | 0.61 U | 0.58 U | 0.6 U | 0.63 U | 0.65 U | 0.68 U | 0.61 U | 0.64 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Phenol | mg/Kg | 100000 | 100 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.034 U | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.036 U | 0.036 U | 0.037 U | 0.035 U | -- | -- | -- | 0.037 U | 0.037 U | 0.04 U | 0.036 U | 0.042 J | 0.035 U | 0.037 U | 0.038 U | 0.04 U | 0.036 U | 0.038 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-5 | NW-5 | NW-5 | NW-6 | NW-6 | NW-6 | NW-6 | NW-6 | NW-6 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-8 | NW-8 | NW-8 |
| | | | Sample Name | | | NW-5 | | | | | | | | | | | | | | | |
| | | | Start Depth | 20 | 9 | 7.5 | 0 | 0.5 | 12 | 22 | 24 | 4 | 0 | 0.5 | 14 | 24 | 26 | 4 | 19 | 22 | 9 |
| | | | End Depth | 21 | 10 | 7.5 | 0.5 | 1.5 | 13 | 23 | 25 | 5 | 0.5 | 1.5 | 15 | 25 | 27 | 5 | 20 | 23 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/2/2011 | 4/26/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.045 J | 0.037 U |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | 0.0055 U | 0.0051 U | -- | 0.0058 U | 0.0052 U | 0.0054 U | 0.0055 U | 0.0057 U | 0.0054 U | 0.0049 U | 0.0051 U | 0.0052 U | 0.0052 U | 0.0053 U | 0.0052 U | 0.0053 U | 0.0054 U | 0.0053 U |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | 0.041 U | 0.038 U | -- | 0.042 U | 0.038 U | 0.04 U | 0.041 U | 0.041 U | 0.04 U | 0.036 U | 0.038 U | 0.038 U | 0.038 U | 0.038 U | 0.038 U | 0.038 U | 0.039 U | 0.039 U |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | 1.1 U | 0.94 U | -- | 1.1 U | 0.95 U | 0.99 U | 1.1 U | 1.1 U | 0.99 U | 0.9 U | 0.94 U | 0.95 U | 0.96 U | 0.96 U | 0.94 U | 0.96 U | 0.98 U | 0.97 U |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 2-Chloronaphthalene | mg/Kg | 389 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | 0.044 U | 0.041 U | -- | 0.046 U | 0.041 U | 0.043 U | 0.044 U | 0.045 U | 0.043 U | 0.039 U | 0.041 U | 0.041 U | 0.042 U | 0.042 U | 0.041 U | 0.042 U | 0.043 U | 0.042 U |
| 2-Methylnaphthalene | mg/Kg | | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 2-Nitroaniline | mg/Kg | 2050 | | 0.6 U | 0.55 U | -- | 0.62 U | 0.56 U | 0.58 U | 0.6 U | 0.61 U | 0.59 U | 0.53 U | 0.55 U | 0.56 U | 0.56 U | 0.57 U | 0.56 U | 0.57 U | 0.58 U | 0.57 U |
| 2-Nitrophenol | mg/Kg | | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | 0.05 U | 0.046 U | -- | 0.052 U | 0.047 U | 0.048 U | 0.05 U | 0.051 U | 0.049 U | 0.044 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.046 U | 0.047 U | 0.048 U | 0.047 U |
| 3-Nitroaniline | mg/Kg | | | 0.62 U | 0.57 U | -- | 0.64 U | 0.58 U | 0.6 U | 0.62 U | 0.63 U | 0.61 U | 0.55 U | 0.57 U | 0.58 U | 0.58 U | 0.58 U | 0.57 U | 0.58 U | 0.6 U | 0.59 U |
| 4-Bromophenyl phenyl ether | mg/Kg | | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 4-Chloro-3-methylphenol | mg/Kg | | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| 4-Nitroaniline | mg/Kg | | | 0.48 U | 0.44 U | -- | 0.5 U | 0.45 U | 0.46 U | 0.48 U | 0.49 U | 0.47 U | 0.42 U | 0.44 U | 0.45 U | 0.45 U | 0.45 U | 0.44 U | 0.45 U | 0.46 U | 0.46 U |
| 4-Nitrophenol | mg/Kg | 5470 | | 0.59 U | 0.55 U | -- | 0.61 U | 0.56 U | 0.58 U | 0.59 U | 0.6 U | 0.58 U | 0.52 U | 0.55 U | 0.56 U | 0.56 U | 0.56 U | 0.55 U | 0.56 U | 0.57 U | 0.56 U |
| Acenaphthene | mg/Kg | 2560 | 580 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Acenaphthylene | mg/Kg | 147 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Acetophenone | mg/Kg | 1740 | | 0.05 U | 0.046 U | -- | 0.052 U | 0.047 U | 0.048 U | 0.05 U | 0.051 U | 0.049 U | 0.044 U | 0.046 U | 0.047 U | 0.047 U | 0.047 U | 0.046 U | 0.047 U | 0.048 U | 0.047 U |
| Aniline | mg/Kg | 336 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Anthracene | mg/Kg | 9920 | 11800 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | 0.00064 U | 0.0006 U | -- | 0.002 J | 0.0006 U | 0.00063 U | 0.00064 U | 0.00066 U | 0.00063 U | 0.00057 U | 0.0006 U | 0.0006 U | 0.00061 U | 0.00061 U | 0.0006 U | 0.00061 U | 0.00062 U | 0.00061 U |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | 0.00075 U | 0.0007 U | -- | 0.00078 U | 0.00071 U | 0.00074 U | 0.00075 U | 0.00077 U | 0.00074 U | 0.00067 U | 0.0007 U | 0.00071 U | 0.00071 U | 0.00072 U | 0.0007 U | 0.00072 U | 0.00073 U | 0.00072 U |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | 0.0013 U | 0.0012 U | -- | 0.0013 U | 0.0012 U | 0.0013 U | 0.0013 U | 0.0013 U | 0.0013 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0012 U | 0.0013 U | 0.0012 U |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | 0.00093 U | 0.00086 U | -- | 0.00096 U | 0.00087 U | 0.0009 U | 0.00093 U | 0.00094 U | 0.00091 U | 0.00082 U | 0.00086 U | 0.00087 U | 0.00088 U | 0.00088 U | 0.00086 U | 0.00088 U | 0.0009 U | 0.00088 U |
| Benzoic acid | mg/Kg | 100000 | 400 | 0.68 U | 0.63 U | -- | 0.71 UJ- | 0.64 U | 0.66 U | 0.68 U | 0.69 U | 0.67 U | 0.6 U | 0.63 U | 0.64 U | 0.64 U | 0.65 U | 0.64 U | 0.65 U | 0.66 U | 0.65 U |
| Benzyl alcohol | mg/Kg | 100000 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Bis(2-chloroethoxy)methane | mg/Kg | | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | 0.063 U | 0.059 U | -- | 0.066 U | 0.06 U | 0.062 U | 0.063 U | 0.065 U | 0.062 U | 0.056 U | 0.059 U | 0.06 U | 0.06 U | 0.06 U | 0.059 U | 0.06 U | 0.061 U | 0.061 U |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | 0.046 U | 0.043 U | -- | 0.048 U | 0.044 U | 0.045 U | 0.046 U | 0.047 U | 0.045 U | 0.041 U | 0.043 U | 0.044 U | 0.044 U | 0.044 U | 0.043 U | 0.044 U | 0.045 U | 0.044 U |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Carbazole | mg/Kg | 95.8 | 0.6 | 0.062 U | 0.058 U | -- | 0.065 U | 0.059 U | 0.061 U | 0.062 U | 0.064 U | 0.061 U | 0.055 U | 0.058 U | 0.059 U | 0.059 U | 0.059 U | 0.058 U | 0.059 U | 0.06 U | 0.06 U |
| Chrysene | mg/Kg | 234 | 160 | 0.0011 U | 0.0011 U | -- | 0.0028 J | 0.0011 U | 0.0011 U | 0.0011 U | 0.0012 U | 0.0011 U | 0.0027 J | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | 0.00086 U | 0.0008 U | -- | 0.0009 U | 0.00081 U | 0.00084 U | 0.00086 U | 0.00088 U | 0.00085 U | 0.00076 U | 0.0008 U | 0.00081 U | 0.00081 U | 0.00082 U | 0.0008 U | 0.00082 U | 0.00083 U | 0.00082 U |
| Dibenzofuran | mg/Kg | 2270 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Diethyl phthalate | mg/Kg | 100000 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Dimethyl phthalate | mg/Kg | 100000 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | 0.16 U | 0.15 U | -- | 0.16 U | 0.15 U | 0.15 U | 0.16 U | 0.16 U | 0.16 U | 0.14 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.15 U |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-5 | NW-5 | NW-5 | NW-6 | NW-6 | NW-6 | NW-6 | NW-6 | NW-6 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-7 | NW-8 | NW-8 | NW-8 |
| | | | Sample Name | | | NW-5 | | | | | | | | | | | | | | | |
| | | | Start Depth | 20 | 9 | 7.5 | 0 | 0.5 | 12 | 22 | 24 | 4 | 0 | 0.5 | 14 | 24 | 26 | 4 | 19 | 22 | 9 |
| | | | End Depth | 21 | 10 | 7.5 | 0.5 | 1.5 | 13 | 23 | 25 | 5 | 0.5 | 1.5 | 15 | 25 | 27 | 5 | 20 | 23 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/2/2011 | 4/26/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 |
| | | | Parent Sample | | | | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Fluoranthene | mg/Kg | 24400 | 4200 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Fluorene | mg/Kg | 3670 | 560 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | 0.0046 J | 0.14 | 0.11 U | 0.096 | 0.00088 U | 0.00092 U | 0.00094 U | 0.00096 U | 0.00092 U | 0.029 | 0.00087 U | 0.00088 U | 0.0032 J | 0.00089 U | 0.026 | 0.025 | 0.0092 | 0.2 |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | -- | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Hexachloroethane | mg/Kg | 137 | 0.4 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | 0.00099 U | 0.00092 U | -- | 0.0011 U | 0.00093 U | 0.00097 U | 0.00099 U | 0.0011 U | 0.00097 U | 0.00088 U | 0.00092 U | 0.00093 U | 0.00094 U | 0.00094 U | 0.00092 U | 0.00094 U | 0.00096 U | 0.00095 U |
| Isophorone | mg/Kg | 2020 | 0.6 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Naphthalene | mg/Kg | 17.4 | 80 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | 0.045 U | 0.042 U | -- | 0.047 U | 0.042 U | 0.044 U | 0.045 U | 0.046 U | 0.044 U | 0.04 U | 0.042 U | 0.042 U | 0.043 U | 0.043 U | 0.042 U | 0.043 U | 0.044 U | 0.043 U |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Pentachlorobenzene | mg/Kg | 547 | | 0.12 J | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.16 J | 0.037 U | 0.037 U |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | 0.65 U | 0.6 U | -- | 0.68 U | 0.61 U | 0.64 U | 0.65 U | 0.66 U | 0.64 U | 0.58 U | 0.6 U | 0.61 U | 0.62 U | 0.62 U | 0.61 U | 0.62 U | 0.63 U | 0.62 U |
| Phenanthrene | mg/Kg | 24.5 | | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Phenol | mg/Kg | 100000 | 100 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | 0.038 U | 0.035 U | -- | 0.04 U | 0.036 U | 0.037 U | 0.038 U | 0.039 U | 0.038 U | 0.034 U | 0.035 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.037 U |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-8 | NW-9 | NW-9 | NW-9 | SW-5 | SW-5 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | NW-8 | | | | | | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 5 | 12 | 26 | 4 | 19 | 39 | 0 | 0 | 0 | 0 |
| | | | End Depth | 5 | 13 | 27 | 5 | 20 | 40 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/18/2011 | 5/18/2011 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | | | | | | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | mg/Kg | 205 | | -- | 0.036 U | 0.036 U | 0.025 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 1,2-Diphenylhydrazine | mg/Kg | 2.39 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,4-Dioxane | mg/Kg | 19.2 | | -- | 0.0052 U | 0.0052 U | 0.0052 U | 0.0053 U | 0.0082 U | -- | -- | -- | -- |
| 2,4,5-Trichlorophenol | mg/Kg | 68400 | 280 | -- | 0.038 U | 0.038 U | 0.038 U | 0.039 U | 0.06 U | -- | -- | -- | -- |
| 2,4,6-Trichlorophenol | mg/Kg | 174 | 0.16 | -- | 0.036 U | 0.036 U | 0.026 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 2,4-Dichlorophenol | mg/Kg | 2050 | 1 | -- | 0.036 U | 0.036 U | 0.022 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 2,4-Dimethylphenol | mg/Kg | 13700 | 8 | -- | 0.036 U | 0.036 U | 0.024 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 2,4-Dinitrophenol | mg/Kg | 1370 | 0.2 | -- | 0.95 U | 0.95 U | 0.95 U | 0.98 U | 1.5 U | -- | -- | -- | -- |
| 2,4-Dinitrotoluene | mg/Kg | 6.18 | 0.0008 | -- | 0.036 U | 0.036 U | 0.033 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 2,6-Dinitrotoluene | mg/Kg | 684 | 0.0006 | -- | 0.036 U | 0.036 U | 0.02 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 2-Chloronaphthalene | mg/Kg | 389 | | -- | 0.036 U | 0.036 U | 0.017 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 2-Chlorophenol | mg/Kg | 1670 | 4 | -- | 0.041 U | 0.041 U | 0.041 U | 0.042 U | 0.065 U | -- | -- | -- | -- |
| 2-Methylnaphthalene | mg/Kg | | | -- | 0.036 U | 0.036 U | 0.019 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 2-Nitroaniline | mg/Kg | 2050 | | -- | 0.56 U | 0.56 U | 0.56 U | 0.58 U | 0.88 U | -- | -- | -- | -- |
| 2-Nitrophenol | mg/Kg | | | -- | 0.036 U | 0.036 U | 0.027 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 3,3-Dichlorobenzidine | mg/Kg | 4.26 | 0.006 | -- | 0.036 U | 0.036 U | 0.03 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 3,4-Methylphenol (m,p-Cresol) | mg/Kg | 3420 | | -- | 0.047 U | 0.047 U | 0.046 U | 0.048 U | 0.074 U | -- | -- | -- | -- |
| 3-Nitroaniline | mg/Kg | | | -- | 0.58 U | 0.58 U | 0.58 U | 0.59 U | 0.91 U | -- | -- | -- | -- |
| 4-Bromophenyl phenyl ether | mg/Kg | | | -- | 0.036 U | 0.036 U | 0.017 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 4-Chloro-3-methylphenol | mg/Kg | | | -- | 0.036 U | 0.036 U | 0.015 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 4-Chloroaniline | mg/Kg | 9.58 | 0.6 | -- | 0.036 U | 0.036 U | 0.028 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 4-Chlorophenyl phenyl ether | mg/Kg | | | -- | 0.036 U | 0.036 U | 0.033 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| 4-Nitroaniline | mg/Kg | | | -- | 0.45 U | 0.45 U | 0.45 U | 0.46 U | 0.7 U | -- | -- | -- | -- |
| 4-Nitrophenol | mg/Kg | 5470 | | -- | 0.56 U | 0.56 U | 0.55 U | 0.57 U | 0.87 U | -- | -- | -- | -- |
| Acenaphthene | mg/Kg | 2560 | 580 | -- | 0.036 U | 0.036 U | 0.018 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Acenaphthylene | mg/Kg | 147 | | -- | 0.036 U | 0.036 U | 0.013 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Acetophenone | mg/Kg | 1740 | | -- | 0.047 U | 0.047 U | 0.046 U | 0.048 U | 0.074 U | -- | -- | -- | -- |
| Aniline | mg/Kg | 336 | | -- | 0.036 U | 0.036 U | 0.018 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Anthracene | mg/Kg | 9920 | 11800 | -- | 0.036 U | 0.036 U | 0.021 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Azobenzene | mg/Kg | 15.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benzo(a)anthracene | mg/Kg | 2.34 | 1.6 | -- | 0.00061 U | 0.00061 U | 0.0006 U | 0.00062 U | 0.004 J | -- | -- | -- | -- |
| Benzo(a)pyrene | mg/Kg | **0.23** | 8 | -- | 0.00071 U | 0.00071 U | 0.00071 U | 0.00073 U | 0.0012 U | -- | -- | -- | -- |
| Benzo(b)fluoranthene | mg/Kg | 2.34 | 4 | -- | 0.0012 U | 0.0012 U | 0.0012 U | 0.0013 U | 0.0019 U | -- | -- | -- | -- |
| Benzo(g,h,i)perylene | mg/Kg | 34100 | | -- | 0.036 U | 0.036 U | 0.021 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Benzo(k)fluoranthene | mg/Kg | 23.4 | 40 | -- | 0.00087 U | 0.00087 U | 0.00087 U | 0.00089 U | 0.0014 U | -- | -- | -- | -- |
| Benzoic acid | mg/Kg | 100000 | 400 | -- | 0.64 U | 0.64 U | 0.64 U | 0.66 U | 1.1 U | -- | -- | -- | -- |
| Benzyl alcohol | mg/Kg | 100000 | | -- | 0.036 U | 0.036 U | 0.018 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Bis(2-chloroethoxy)methane | mg/Kg | | | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Bis(2-chloroethyl)ether | mg/Kg | 1.3 | 0.0004 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Bis(2-ethylhexyl)phthalate | mg/Kg | 137 | 3600 | -- | 0.06 U | 0.06 U | 0.059 U | 0.82 | 0.46 J | -- | -- | -- | -- |
| Bis(chloroisopropyl)ether | mg/Kg | 18 | | -- | 0.044 U | 0.044 U | 0.043 U | 0.045 U | 0.068 U | -- | -- | -- | -- |
| Butyl benzyl phthalate | mg/Kg | 240 | 16200 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Carbazole | mg/Kg | 95.8 | 0.6 | -- | 0.059 U | 0.059 U | 0.058 U | 0.06 U | 0.092 U | -- | -- | -- | -- |
| Chrysene | mg/Kg | 234 | 160 | -- | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0045 J | -- | -- | -- | -- |
| Dibenz(a,h)anthracene | mg/Kg | 0.23 | 1.6 | -- | 0.00081 U | 0.00081 U | 0.0008 U | 0.00083 U | 0.0013 U | -- | -- | -- | -- |
| Dibenzofuran | mg/Kg | 2270 | | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Diethyl phthalate | mg/Kg | 100000 | | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Dimethyl phthalate | mg/Kg | 100000 | | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Di-n-butyl phthalate | mg/Kg | 68400 | 5400 | -- | 0.15 U | 0.15 U | 0.15 U | 0.15 U | 0.23 U | -- | -- | -- | -- |

**Table 6-9. Soil Summary - SVOCs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-8 | NW-9 | NW-9 | NW-9 | SW-5 | SW-5 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | NW-8 | | | | | | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 5 | 12 | 26 | 4 | 19 | 39 | 0 | 0 | 0 | 0 |
| | | | End Depth | 5 | 13 | 27 | 5 | 20 | 40 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 4/25/2011 | 4/25/2011 | 4/25/2011 | 5/18/2011 | 5/18/2011 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | | | | | | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | |
| Di-n-octyl phthalate | mg/Kg | | | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Fluoranthene | mg/Kg | 24400 | 4200 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Fluorene | mg/Kg | 3670 | 560 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Hexachlorobenzene | mg/Kg | **1.2** | **2** | **5.2** | 0.00089 U | 0.00088 U | 0.012 | 0.00091 U | 0.0014 U | 0.035 U | 0.035 U | 0.035 U | 0.2 J |
| Hexachlorobutadiene | mg/Kg | 24.6 | 2 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Hexachlorocyclopentadiene | mg/Kg | 4090 | 400 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Hexachloroethane | mg/Kg | 137 | 0.4 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Indeno(1,2,3-cd)pyrene | mg/Kg | 2.34 | 14 | -- | 0.00093 U | 0.00093 U | 0.00093 U | 0.00096 U | 0.0015 U | -- | -- | -- | -- |
| Isophorone | mg/Kg | 2020 | 0.6 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Naphthalene | mg/Kg | 17.4 | 80 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Nitrobenzene | mg/Kg | 15.1 | 0.14 | -- | 0.043 U | 0.043 U | 0.042 U | 0.044 U | 0.067 U | -- | -- | -- | -- |
| N-Nitrosodi-n-propylamine (NDPA) | mg/Kg | 0.27 | 4E-05 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| N-Nitrosodiphenylamine (NDFA) | mg/Kg | 391 | 1.2 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Pentachlorobenzene | mg/Kg | 547 | | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Pentachlorophenol | mg/Kg | 3 | 0.02 | -- | 0.61 U | 0.61 U | 0.61 U | 0.63 U | 0.96 U | -- | -- | -- | -- |
| Phenanthrene | mg/Kg | 24.5 | | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Phenol | mg/Kg | 100000 | 100 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |
| Phthalic acid | mg/Kg | 100000 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pyrene | mg/Kg | 19300 | 4200 | -- | 0.036 U | 0.036 U | 0.036 U | 0.037 U | 0.057 U | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-1 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-10 | DD-B-11 | DD-B-12 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-1_SS | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-10_SS | DD-B-11 5-10 | DD-B-12 5-10 |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 10 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/4/2013 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | BY-SS-3_SS_11/20/13 | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.00047 | 0.00041 | 4.2E-07 U | 0.0003 | 5.6E-07 U | 0.00084 | 0.00026 | 0.00022 | 0.0001 | 0.0012 | 0.00012 | 2.9E-06 J |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.00088 | 0.00093 | 4.9E-07 U | 0.00027 | 6.4E-07 U | 0.0006 | 0.00018 | 0.00016 | 1.4E-05 J | 0.0018 | 7.1E-05 | 2.6E-06 J |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.00032 | 0.00029 | 3.2E-07 U | 0.00027 | 4.2E-07 U | 0.0015 | 0.00029 | 0.00024 | 0.00015 | 0.00075 | 3.6E-05 | 2.1E-06 J |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.00027 | 0.00033 | 4.5E-07 U | 8E-05 | 5.9E-07 U | 0.00015 | 6E-05 | 4.8E-05 | 6.8E-06 J | 0.00048 | 1.8E-05 J | 9.9E-07 J |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.00044 | 0.00054 | 3.5E-07 U | 0.00014 | 3.7E-07 U | 0.00031 | 0.00013 | 0.0001 | 3.1E-05 J | 0.00082 | 3.5E-05 | 1.7E-06 J |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.0017 | 0.0021 | 4.1E-07 J | 0.001 | 3.6E-07 U | 0.0013 | 0.0006 | 0.00053 | 1.6E-05 J | 0.0019 | 0.00012 | 7.5E-06 J |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 3.8E-05 | 5.3E-05 | 2.4E-07 U | 5.3E-05 | 2.5E-07 U | 0.00019 | 5.4E-05 | 4.2E-05 | 2.6E-05 J | 0.00011 | 5.6E-06 J | 3E-07 U |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.00027 | 0.00025 | 3.9E-07 U | 0.0002 | 5.2E-07 U | 0.00094 | 0.00021 | 0.00017 | 8.7E-05 | 0.00061 | 3.2E-05 | 1.8E-06 J |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 0.00028 | 0.00038 | 2.5E-07 U | 0.00014 | 2.2E-07 U | 0.00022 | 9.9E-05 | 8.3E-05 | 1.5E-05 J | 0.00033 | 1.9E-05 J | 3.3E-07 U |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 8.8E-05 | 0.00012 | 2.4E-07 U | 5.3E-05 | 2.5E-07 U | 6E-05 | 1.9E-05 J | 1.8E-05 J | 8.7E-06 J | 0.00014 | 6.9E-06 J | 3.1E-07 U |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 9.4E-05 | 0.00014 | 2.4E-07 U | 4.1E-05 | 2.5E-07 U | 0.00018 | 6E-05 | 4.8E-05 | 2.4E-05 J | 0.0002 | 8.9E-06 J | 3.1E-07 U |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.0016 | 0.0024 J | 4.2E-07 J | 0.00068 | 2.2E-07 U | 0.00089 | 0.00037 | 0.00032 | 1.3E-05 J | 0.0014 | 0.00012 | 8.2E-06 J |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 5.3E-05 | 8.6E-05 | 5.1E-07 U | 2.5E-05 | 3.6E-07 U | 4.9E-05 | 2.6E-05 J | 2.1E-05 J | 9.9E-06 J | 5.8E-05 | 5E-06 J | 4.6E-07 U |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.00084 | 0.0012 | 2.5E-07 U | 0.00037 | 2.2E-07 U | 0.00051 | 0.00023 | 0.00019 | 7.6E-06 J | 0.0008 | 6E-05 | 4E-06 J |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 0.00014 | 0.00015 J+ | 7E-07 U | 0.00036 | 4.3E-07 U | 0.00028 | 0.0002 | 0.00017 | 1.3E-05 J | 0.00016 | 1E-05 J | 5.5E-07 U |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 0.0001 J | 0.00018 J | 3.4E-07 U | 4.7E-05 | 2.4E-07 U | 6.7E-05 | 2.9E-05 J | 2.4E-05 J | 5.8E-06 J | 8.3E-05 | 1.2E-05 J | 9.4E-07 J |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 1.5E-05 U | 2.2E-05 UJ+ | 6.6E-07 U | 5E-05 | 4.1E-07 U | 3.1E-05 J | 2.3E-05 J | 2E-05 J | 1.9E-06 U | 1.3E-05 J | 1.4E-06 U | 5.2E-07 U |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.00066 | 0.00092 | 7.2E-07 J | 0.0015 | 6.7E-07 J | 0.0011 | 0.0007 | 0.00062 | 2.4E-05 J | 0.00047 | 6E-05 | 4.5E-06 J |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.00015 J+ | 0.00017 J+ | 7.7E-07 U | 0.00047 J+ | 5.8E-07 U | 0.00031 J+ | 0.0002 | 0.00019 | 1.2E-05 J | 0.00017 J+ | 7.2E-06 J | 6E-07 U |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 9.7E-05 | 0.00015 | 2.9E-07 U | 3.5E-05 | 3.1E-07 U | 0.00011 | 3.9E-05 J | 3.2E-05 J | 8.4E-06 J | 0.00023 | 8.7E-06 J | 5.4E-07 J |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 0.00022 J | 0.00037 J | 5.4E-07 U | 8.3E-05 | 3.8E-07 U | 0.00013 | 5.9E-05 | 4.9E-05 | 7E-06 J | 0.00021 | 1.9E-05 J | 1.2E-06 J |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 2.1E-05 | 2.8E-05 | 6.2E-07 U | 3.9E-05 | 3.9E-07 U | 3.9E-05 J | 2.7E-05 J | 2.2E-05 J | 3.2E-06 J | 2.2E-05 J | 1.3E-06 U | 4.9E-07 U |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 0.00031 J | 0.0006 J | 3.7E-07 U | 0.00012 | 2.6E-07 U | 0.00018 | 7.3E-05 | 6.3E-05 | 5.5E-06 J | 0.00031 | 3.9E-05 | 2.5E-06 J |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | 4.2E-05 J+ | 3.7E-05 J+ | 8.4E-07 U | 0.00011 J+ | 6.2E-07 U | 7.1E-05 J+ | 5.2E-05 | 4.6E-05 | 3.7E-06 U | 3.4E-05 J | 2.6E-06 U | 6.5E-07 U |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.00013 J | 0.00022 J | 4E-07 U | 0.00022 | 2.5E-07 U | 0.00017 | 0.0001 | 8.8E-05 | 4.5E-06 J | 8.7E-05 | 2.3E-05 | 1.9E-06 J |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.00021 J+ | 0.00026 J+ | 7E-07 U | 0.00061 J+ | 5.2E-07 U | 0.00035 J+ | 0.00022 | 0.00019 | 1.1E-05 J | 0.00018 J+ | 1.1E-05 J | 1.1E-06 J |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.0005 | 0.0006 | 3.3E-07 U | 0.00016 | 3.5E-07 U | 0.00035 | 0.00012 | 0.0001 | 1.6E-05 J | 0.00098 | 4.8E-05 | 2.3E-06 J |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 9.7E-06 J | 1.2E-05 J | 2.5E-07 U | 6.6E-06 J | 2.6E-07 U | 4.7E-05 | 2.4E-05 J | 1.7E-05 J | 1.8E-05 J | 3.5E-05 J | 2E-06 J | 3.2E-07 U |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 3.6E-06 U | 3.5E-06 U | 2.1E-07 U | 1.5E-05 J | 1.8E-07 U | 1.9E-05 J | 1E-05 J | 8.3E-06 J | 4.7E-06 J | 1.1E-05 J | 6.6E-07 U | 2.7E-07 U |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 1E-06 U | 1.4E-06 U | 4.8E-07 U | 6E-07 U | 3.4E-07 U | 1.8E-05 J | 9E-06 J | 7E-06 J | 6.2E-06 J | 1.6E-05 J | 4E-07 U | 4.2E-07 U |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.00064 | 0.001 | 3.2E-07 J | 0.00033 | 1.6E-07 U | 0.0004 | 0.00018 | 0.00015 | 1.4E-05 J | 0.00063 | 5.9E-05 | 4.4E-06 J |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 7.7E-05 | 8.2E-05 | 5.5E-07 U | 0.00032 | 3.4E-07 U | 0.00022 | 0.00015 J | 0.00014 | 7E-06 J | 8.4E-05 | 4.3E-06 J | 4.3E-07 U |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 7.1E-06 J | 9E-06 J | 3.8E-07 U | 4.5E-06 J | 2.7E-07 U | 3.7E-05 J | 1.3E-05 J | 1E-05 J | 1E-05 J | 1.5E-05 J | 1.2E-06 J | 3.4E-07 U |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 0.00015 | 0.0002 | 2.3E-07 U | 0.0004 | 1.9E-07 U | 9.4E-05 | 1.9E-05 J | 1.4E-05 J | 5.3E-06 J | 0.00014 | 1.4E-05 J | 4.9E-07 J |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.0014 J | 0.0024 J | 5.1E-07 J | 0.00054 | 3.5E-07 U | 0.00078 | 0.00032 | 0.00028 | 1.3E-05 J | 0.0014 | 0.00012 | 8.2E-06 J |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.00057 | 0.00077 | 5.9E-07 U | 0.00072 | 3.7E-07 U | 0.00063 | 0.00032 | 0.00032 | 2E-05 J | 0.00042 | 5.2E-05 | 3.4E-06 J |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 0.0003 | 0.00042 | 5.8E-07 U | 0.0005 | 3.6E-07 U | 0.00046 | 0.0003 | 0.00027 | 1.7E-05 J | 0.00029 | 2.7E-05 | 1.7E-06 J |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 7.6E-07 U | 1E-06 U | 3.6E-07 U | 4.6E-07 U | 2.6E-07 U | 3E-06 J | 1.5E-06 J | 7.8E-07 J | 1.5E-06 J | 1.9E-06 U | 3.1E-07 U | 3.2E-07 U |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 4.7E-06 J | 7.2E-06 J | 3.8E-07 U | 3.4E-06 J | 2.7E-07 U | 2.2E-05 J | 9.2E-06 J | 7.3E-06 J | 6.2E-06 J | 1.2E-05 J | 5.2E-07 J | 3.2E-07 U |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 1.4E-05 U | 2E-05 U | 6.1E-07 U | 1.4E-05 U | 3.8E-07 U | 1.4E-05 U | 8.6E-06 U | 7.8E-06 U | 1.8E-06 U | 8.3E-06 U | 1.3E-06 U | 4.8E-07 U |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 7.9E-05 | 0.00012 | 5.5E-07 U | 0.00011 | 3.4E-07 U | 9.5E-05 | 5.5E-05 | 4.8E-05 | 4.1E-06 J | 5.4E-05 | 1.1E-05 J | 4.3E-07 U |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 1.2E-05 U | 1.8E-05 U | 5.4E-07 U | 1.3E-05 U | 3.4E-07 U | 1.2E-05 U | 7.7E-06 U | 6.9E-06 U | 2.6E-06 J | 7.4E-06 U | 1.2E-06 U | 4.3E-07 U |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 8.9E-06 U | 1.3E-05 U | 3.9E-07 U | 9.2E-06 U | 2.4E-07 U | 8.8E-06 U | 5.5E-06 U | 5E-06 U | 1.2E-06 U | 5.3E-06 U | 8.4E-07 U | 3.1E-07 U |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 8.3E-06 U | 1.2E-05 U | 3.6E-07 U | 8.6E-06 U | 2.3E-07 U | 8.2E-06 U | 5.2E-06 U | 4.7E-06 U | 1.3E-06 J | 5E-06 U | 7.9E-07 U | 2.9E-07 U |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 2.1E-05 U | 2.5E-05 UJ+ | 6.6E-07 U | 3.9E-05 UJ+ | 4.9E-07 U | 4.9E-05 UJ+ | 2.3E-05 U | 2.8E-05 U | 2.9E-06 U | 2.3E-05 U | 2.1E-06 U | 5.2E-07 U |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | 4.6E-06 J | 5.4E-06 J | 1.8E-07 U | 3.1E-06 J | 2E-07 U | 1.7E-05 J | 1.2E-06 U | 1E-06 U | 7.3E-07 J | 1.6E-05 J | 4.6E-07 J | 3E-07 U |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 3.3E-05 | 3.8E-05 | 1.5E-07 U | 2.9E-05 | 1.7E-07 U | 5.5E-05 | 1.4E-05 J | 1.4E-05 J | 2E-06 J | 4.5E-05 J+ | 2E-06 J | 4.6E-07 J |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.00017 | 0.00021 J+ | 6.3E-07 U | 0.00048 J+ | 4.7E-07 U | 0.00034 J+ | 0.00023 | 0.00021 | 1E-05 J | 0.00014 J+ | 1.3E-05 J | 1.2E-06 J |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 8.5E-06 U | 1.2E-05 U | 3.7E-07 U | 8.8E-06 U | 2.3E-07 U | 8.4E-06 U | 5.3E-06 U | 4.8E-06 U | 1.1E-06 U | 5.1E-06 U | 8.1E-07 U | 2.9E-07 U |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 2E-05 U | 2.3E-05 UJ+ | 6.3E-07 U | 3.7E-05 UJ+ | 4.7E-07 U | 4.6E-05 UJ+ | 2.2E-05 U | 2.6E-05 U | 2.7E-06 U | 2.2E-05 U | 2E-06 U | 4.9E-07 U |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.00064 | 0.00081 J+ | 7.5E-07 J | 0.0016 J+ | 2.8E-06 J | 0.0011 J+ | 0.00066 | 0.00058 | 2.8E-05 J | 0.00047 J+ | 6.6E-05 | 6.7E-06 J |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | 3.2E-06 J | 4.1E-06 J | 1.6E-07 U | 1E-06 U | 1.7E-07 U | 5.3E-06 J | 1E-06 U | 9E-07 U | 1.2E-06 J | 3.8E-06 J | 2.3E-07 U | 2.7E-07 U |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 2.6E-06 J | 3.2E-06 J | 2.7E-07 U | 3.7E-06 J | 1.7E-07 U | 4.8E-06 J | 1.8E-06 J | 1.4E-06 J | 4.2E-07 J | 2.7E-06 J | 2E-07 U | 2.3E-07 U |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | 8.8E-06 J | 1.1E-05 J | 1.6E-07 U | 4.6E-06 J | 1.7E-07 U | 1.3E-05 J | 2.6E-06 J | 8.8E-07 U | 1E-06 J | 1.6E-05 J | 6E-07 J | 2.6E-07 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-1 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-10 | DD-B-11 | DD-B-12 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-1_SS | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-10_SS | DD-B-11 5-10 | DD-B-12 5-10 |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 10 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/4/2013 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | BY-SS-3_SS_11/20/13 | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 4E-06 J | 4E-06 J | 1.7E-07 U | 1.8E-06 J | 1.8E-07 U | 5.6E-06 J | 1.1E-06 U | 9.4E-07 U | 3.2E-07 U | 6.5E-06 J | 2.4E-07 U | 2.8E-07 U |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 6.5E-06 J | 7E-06 J | 5.1E-07 U | 6.4E-06 J | 5.6E-07 U | 3E-05 J | 6.9E-06 J | 2.9E-06 J | 1.8E-06 J | 2.1E-05 J | 8.6E-07 J | 6.5E-07 U |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 1.1E-05 U | 1.6E-05 U | 4.8E-07 U | 1.1E-05 U | 3E-07 U | 2.2E-05 J | 1.3E-05 J | 1.1E-05 J | 3E-06 J | 1.4E-05 J | 1E-06 U | 3.8E-07 U |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | 0.00051 | 0.00059 J+ | 6.2E-07 U | 0.0016 J+ | 7.8E-07 J | 0.0011 J+ | 0.00071 | 0.00065 | 3E-05 J | 0.00047 J+ | 3.3E-05 | 1.5E-06 J |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 1.1E-05 U | 1.5E-05 U | 4.4E-07 U | 1E-05 U | 2.8E-07 U | 9.6E-06 U | 5.8E-06 U | 5.4E-06 U | 1.5E-06 J | 7E-06 U | 8.5E-07 U | 3.3E-07 U |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 1.7E-05 U | 2E-05 U | 5.5E-07 U | 3.2E-05 UJ+ | 4.1E-07 U | 4.1E-05 UJ+ | 1.9E-05 U | 2.3E-05 U | 2.4E-06 U | 1.9E-05 U | 1.7E-06 U | 4.3E-07 U |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 1.4E-05 J | 1.5E-05 J | 2.4E-07 J | 1.2E-05 J | 1.5E-07 U | 3.2E-05 J | 4.8E-06 J | 4E-06 J | 1.7E-06 J | 3.2E-05 J | 1.1E-06 J | 2.4E-07 U |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 1.8E-07 U | 3.2E-07 J | 2.3E-07 U | 1.7E-07 U | 1.5E-07 U | 7.8E-07 J | 5E-07 J | 1.2E-06 J | 4.9E-07 J | 1.2E-06 U | 1.8E-07 U | 2.1E-07 U |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | 1.4E-06 J | 2.5E-06 J | 1.3E-07 U | 1.1E-06 J | 1.4E-07 U | 2.5E-06 J | 8.6E-07 U | 7.4E-07 U | 6.8E-07 J | 4.5E-06 J | 2.1E-07 J | 2.2E-07 U |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 5E-06 J | 4.9E-06 J | 3.6E-07 U | 4.7E-06 J | 4E-07 U | 1.9E-05 J | 4.2E-06 J | 2.2E-06 J | 2.2E-06 J | 1.7E-05 J | 9.7E-07 J | 4.6E-07 U |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.00038 | 0.00041 | 9.4E-07 J | 0.00082 | 8E-06 J | 0.00074 | 0.00036 | 0.00033 | 1.9E-05 J | 0.00044 J+ | 2.5E-05 | 4.5E-06 J |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 2.1E-07 U | 3.8E-07 J | 2E-07 U | 2.2E-07 U | 2.3E-07 U | 5.3E-07 J | 3.7E-07 U | 1.4E-06 J | 2.2E-07 U | 1.5E-06 U | 1.5E-07 U | 2.3E-07 U |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 9.3E-07 J | 1.4E-06 J | 3.5E-07 U | 8.2E-07 J | 4E-07 U | 3.5E-06 J | 7.9E-07 U | 1.9E-06 J | 9.6E-07 J | 2.8E-06 J | 3.2E-07 U | 4.9E-07 U |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 4.2E-06 J | 2.7E-06 J | 1.8E-06 U | 3.9E-06 J | 2.3E-06 U | 4.5E-05 J+ | 2.8E-05 J | 1.5E-05 J | 3.5E-06 U | 4.8E-05 UJ+ | 1.9E-06 U | 3.2E-06 U |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 6E-05 | 6.2E-05 | 3.3E-07 U | 2.1E-05 | 4.4E-07 U | 6.1E-05 | 2.8E-05 J | 2.3E-05 J | 1.6E-05 J | 0.00013 | 4.4E-06 J | 3.1E-07 U |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 5.4E-05 | 5.4E-05 | 5.4E-07 U | 3.8E-05 | 6.7E-07 U | 6.7E-05 | 3.4E-05 | 3.2E-05 | 9.5E-06 | 9E-05 | 4.5E-06 | 5.3E-07 U |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.00033 | 0.00038 | 1.9E-07 U | 0.00016 | 1.6E-07 U | 0.00027 | 0.00011 | 9.6E-05 | 1.2E-05 J | 0.00043 | 2.5E-05 | 1.4E-06 J |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 8.3E-05 | 0.0001 | 1.8E-07 U | 4.4E-05 | 1.6E-07 U | 7.7E-05 | 2.2E-05 J | 2.7E-05 J | 4.9E-06 J | 9.9E-05 | 5.5E-06 J | 2.4E-07 U |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.00028 | 0.00033 | 4.2E-07 U | 0.00061 | 2.6E-07 U | 0.00053 | 0.00033 | 0.00031 | 1.5E-05 J | 0.00031 | 2.4E-05 | 1E-06 J |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.00076 J+ | 0.00072 J+ | 7.2E-07 J | 0.0027 J | 7.3E-07 J | 0.0019 J+ | 0.0012 J+ | 0.0012 J+ | 5.1E-05 | 0.0014 J+ | 3.5E-05 | 2.5E-06 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 3.3E-06 U | 3.2E-06 U | 1.9E-07 U | 1.1E-06 U | 1.6E-07 U | 7.4E-06 J | 3.3E-06 J | 1.4E-06 U | 3.5E-06 J | 5E-06 U | 6.1E-07 U | 2.5E-07 U |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 4.3E-06 J | 1E-05 J | 3.1E-07 U | 6.8E-06 U | 2.9E-07 U | 2.8E-05 J | 5E-06 U | 4.2E-06 U | 3.7E-06 J | 4.2E-05 | 2E-06 J | 3.8E-07 U |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 8.1E-06 J | 1.1E-05 J | 3E-07 U | 2.7E-05 | 2.8E-07 U | 3.6E-05 J | 2.1E-05 J | 1.3E-05 J | 4.5E-06 J | 2.1E-05 J | 6E-07 U | 3.7E-07 U |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 1.1E-05 U | 1.6E-05 U | 4.8E-07 U | 0.0049 | 3E-07 U | 1.1E-05 U | 6.8E-06 U | 6.1E-06 U | 2.4E-06 J | 6.5E-06 U | 1E-06 U | 3.8E-07 U |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 9.6E-06 U | 1.4E-05 U | 4.2E-07 U | 0.00036 | 2.6E-07 U | 9.4E-06 U | 5.9E-06 U | 5.4E-06 U | 1.9E-06 J | 5.7E-06 U | 9E-07 U | 3.3E-07 U |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.00022 | 0.00027 | 4.6E-07 U | 0.00037 | 2.9E-07 U | 0.00031 | 0.00018 | 0.00017 | 1.3E-05 J | 0.0002 | 1.6E-05 J | 8.7E-07 J |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 1.7E-05 U | 2E-05 U | 5.3E-07 U | 3.1E-05 UJ+ | 4E-07 U | 3.9E-05 U | 1.9E-05 U | 2.2E-05 U | 8.1E-06 J | 1.8E-05 U | 1.7E-06 U | 4.1E-07 U |
| 2,3,3',4,5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 2.4E-05 | 2E-05 U | 5.4E-07 U | 3.2E-05 UJ+ | 4E-07 U | 4E-05 U | 2.4E-05 J | 2.9E-05 J | 2.4E-06 U | 3E-05 J | 1.7E-06 U | 4.2E-07 U |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | 8.1E-05 | 8.1E-05 | 4.5E-07 U | 0.00033 J+ | 3.4E-07 U | 0.00022 | 0.00016 | 0.00015 | 1E-05 J | 0.00014 | 3.9E-06 J | 3.5E-07 U |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 3E-06 U | 3E-06 U | 3.2E-07 U | 5.1E-06 U | 2.7E-07 U | 7.3E-06 U | 3.9E-06 U | 3.4E-06 U | 1E-06 J | 8.1E-06 U | 4.4E-07 U | 3.3E-07 U |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 0.00012 | 0.00012 | 3.5E-07 U | 0.00016 | 2.9E-07 U | 0.00026 | 8.3E-05 | 7.8E-05 | 6.8E-06 J | 0.00025 J+ | 3.8E-06 J | 7E-07 J |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 1.1E-05 U | 1.6E-05 U | 4.8E-07 U | 1.1E-05 U | 3E-07 U | 1.1E-05 U | 6.8E-06 U | 6.2E-06 U | 1.7E-06 J | 6.6E-06 U | 1E-06 U | 3.8E-07 U |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 1.4E-05 U | 1.6E-05 U | 4.3E-07 U | 2.6E-05 UJ+ | 3.2E-07 U | 3.2E-05 U | 1.5E-05 U | 1.8E-05 U | 2E-06 J | 1.5E-05 U | 1.4E-06 U | 3.4E-07 U |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 1.3E-05 U | 1.5E-05 U | 4.2E-07 U | 0.0011 J+ | 3.1E-07 U | 3.1E-05 U | 1.5E-05 U | 1.7E-05 U | 1.8E-06 U | 1.4E-05 U | 1.3E-06 U | 3.2E-07 U |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 2.9E-06 U | 3E-06 U | 3.2E-07 U | 5E-06 U | 2.6E-07 U | 7.2E-06 U | 3.8E-06 U | 3.4E-06 U | 1E-06 J | 8E-06 U | 4.3E-07 U | 3.2E-07 U |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 3E-06 U | 3E-06 U | 3.2E-07 U | 5.1E-06 U | 2.7E-07 U | 7.2E-06 U | 3.8E-06 U | 3.4E-06 U | 9E-07 J | 8E-06 U | 4.4E-07 U | 3.3E-07 U |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.00015 J+ | 0.00016 J+ | 3E-07 U | 0.00031 J+ | 2.8E-07 U | 0.00028 J+ | 0.00018 J+ | 0.00017 | 1.2E-05 | 0.00024 J+ | 9.7E-06 | 3.6E-07 U |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 1.7E-05 J+ | 2E-05 UJ+ | 5.5E-07 U | 3.1E-05 UJ+ | 4.2E-07 U | 4.7E-05 J+ | 2.3E-05 J+ | 2.6E-05 J+ | 4.2E-06 | 5E-05 J+ | 1.8E-06 U | 4.3E-07 U |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.0011 J+ | 0.001 J+ | 1.7E-06 J | 0.0042 J | 1.4E-06 J | 0.0031 J+ | 0.0022 J+ | 0.0021 J+ | 9.7E-05 | 0.0024 J+ | 8.6E-05 | 4.4E-06 J+ |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 2E-05 J+ | 1.9E-05 UJ+ | 5.5E-07 U | 0.00037 J+ | 3.9E-07 U | 3.8E-05 UJ+ | 2.5E-05 J+ | 2.2E-05 UJ+ | 2.6E-06 J | 3.5E-05 J+ | 1.7E-06 U | 4.2E-07 U |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | 0.0026 | -- | -- | -- | -- | 6.6E-06 J |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 4.7E-05 | 4.3E-05 | 3.4E-07 U | 6.4E-05 | 2.8E-07 U | 0.00015 | 5.4E-05 | 5E-05 | 2.4E-06 J | 0.00014 J+ | 3.1E-06 J | 3.4E-07 U |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.00025 | 0.00024 | 5.2E-07 J | 0.00042 | 3E-07 U | 0.00062 | 0.00023 | 0.00022 | 1.6E-05 J | 0.00059 J+ | 2.1E-05 | 1.3E-06 J |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 1.5E-05 U | 1.7E-05 U | 4.6E-07 U | 2.7E-05 UJ+ | 3.4E-07 U | 3.4E-05 U | 1.6E-05 U | 1.9E-05 U | 2.4E-06 J | 1.6E-05 U | 1.4E-06 U | 3.6E-07 U |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 1.4E-05 U | 1.6E-05 U | 4.3E-07 U | 2.5E-05 UJ+ | 3.2E-07 U | 3.2E-05 U | 1.5E-05 U | 1.8E-05 U | 1.9E-06 U | 1.5E-05 U | 1.3E-06 U | 3.4E-07 U |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 3.5E-06 J | 3.8E-06 J | 3E-07 U | 8.6E-06 J | 2.5E-07 U | 1.4E-05 J | 6E-06 J | 6.8E-06 J | 1.5E-06 J | 1.3E-05 J | 4.1E-07 U | 3E-07 U |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 2.7E-06 U | 2.8E-06 U | 3E-07 U | 4.7E-06 U | 2.5E-07 U | 8.9E-06 J | 3.6E-06 U | 3.1E-06 U | 1.4E-06 J | 7.5E-06 U | 4.1E-07 U | 3E-07 U |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 2.6E-06 U | 2.7E-06 U | 2.8E-07 U | 4.5E-06 U | 2.4E-07 U | 6.4E-06 U | 3.4E-06 U | 3E-06 U | 1.7E-06 J | 7.1E-06 U | 3.9E-07 U | 2.9E-07 U |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 7E-05 | 7.3E-05 | 1.9E-07 J | 0.00011 | 1.6E-07 U | 0.00015 | 6.4E-05 | 5.9E-05 | 3.9E-06 J | 9.2E-05 J+ | 4.2E-06 J | 7.5E-07 J |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 1.9E-05 J | 1.7E-05 J | 2.8E-07 U | 1.8E-05 J | 3.4E-07 J | 0.0001 | 1.9E-05 J | 1.4E-05 J | 1.9E-06 J | 6.4E-05 J+ | 1.6E-06 J | 3.7E-07 U |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 2.5E-06 J | 1.5E-06 J | 2.4E-07 U | 1.6E-06 J | 2E-07 U | 9.2E-06 J | 2.3E-06 J | 1.6E-06 J | 1.6E-06 J | 6.9E-06 J | 4.1E-07 U | 3.3E-07 U |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 2.8E-06 U | 2.9E-06 U | 3.1E-07 U | 4.9E-06 U | 2.6E-07 U | 7.1E-06 J | 4.1E-06 J | 3.8E-06 J | 1.8E-06 J | 7.7E-06 U | 4.2E-07 U | 3.1E-07 U |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | 4.1E-07 U | 4.1E-07 U | 1.1E-07 U | 6.9E-07 U | 1.2E-07 U | 8.3E-07 U | 7.2E-07 U | 6.2E-07 U | 4.6E-07 J | 1.5E-06 U | 1.6E-07 U | 1.8E-07 U |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 1.2E-06 U | 1.1E-06 U | 2.4E-07 U | 8.8E-07 U | 2E-07 U | 3.8E-06 U | 1.8E-06 U | 1.2E-06 U | 6.4E-07 U | 3.5E-06 U | 3.9E-07 U | 3.2E-07 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-1 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-10 | DD-B-11 | DD-B-12 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-1_SS | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-10_SS | DD-B-11 5-10 | DD-B-12 5-10 |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 10 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/4/2013 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | BY-SS-3_SS_11/20/13 | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 1.3E-06 U | 1.1E-06 U | 2.5E-07 U | 9.1E-07 U | 2E-07 U | 4E-06 U | 1.8E-06 U | 1.2E-06 U | 6.7E-07 U | 3.6E-06 U | 4.1E-07 U | 3.3E-07 U |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 2.9E-07 U | 1.8E-07 U | 2.6E-07 U | 2.7E-07 U | 2.9E-07 U | 1.1E-06 J | 8.4E-07 J | 6.5E-07 U | 5.8E-07 J | 1.5E-06 U | 2.1E-07 U | 3.4E-07 U |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 1.2E-06 J | 8.2E-07 J | 2.7E-07 U | 9.7E-07 J | 3E-07 U | 3.9E-06 J | 1.1E-06 J | 6.6E-07 U | 7.4E-07 J | 2.5E-06 J | 2.2E-07 U | 3.4E-07 U |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 2E-06 J | 1E-06 U | 1.2E-06 U | 1.2E-06 U | 1.2E-06 U | 8.6E-06 J | 7.2E-06 U | 5.9E-06 U | 2.8E-06 U | 1.2E-05 U | 1E-06 U | 1.7E-06 U |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 3.1E-06 J | 3.2E-06 J | 1.2E-06 U | 3.4E-06 J | 1.2E-06 U | 4.3E-05 | 2.5E-05 J | 1.1E-05 J | 2.8E-06 U | 4.3E-05 J+ | 1E-06 U | 1.8E-06 U |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 3.9E-05 | 3.2E-05 | 3.6E-07 J | 4.1E-05 | 6.4E-07 J | 0.0002 | 3.7E-05 J | 2.8E-05 J | 6E-06 J | 0.00016 J+ | 4.6E-06 J | 1.4E-06 J |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 4.4E-06 J | 4E-06 J | 2.1E-07 U | 3.2E-06 J | 2.3E-07 U | 1.5E-05 J | 2.8E-06 J | 2.1E-06 J | 1.3E-06 J | 9.5E-06 J | 7.1E-07 J | 2.6E-07 U |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 1.5E-06 U | 9.4E-07 U | 1.1E-06 U | 1.1E-06 U | 1.2E-06 U | 4.9E-06 J | 6.7E-06 U | 5.5E-06 U | 2.6E-06 U | 1.1E-05 U | 9.5E-07 U | 1.6E-06 U |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 3.8E-05 | 3.1E-05 | 1.1E-06 U | 2.4E-05 | 1.2E-06 U | 9.5E-05 | 4.6E-05 | 1.9E-05 J | 5.5E-06 J | 8.2E-05 J+ | 3.7E-06 J | 1.7E-06 U |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 1.7E-06 U | 1.1E-06 U | 1.2E-06 U | 1.3E-06 U | 1.3E-06 U | 2.4E-05 J | 9.6E-06 J | 6.2E-06 U | 3E-06 U | 2.3E-05 J | 1.1E-06 U | 1.8E-06 U |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 9.5E-07 U | 8E-07 U | 1.2E-06 U | 1.4E-06 U | 1.6E-06 U | 2.2E-06 U | 9.5E-06 U | 9E-06 U | 2.3E-06 U | 3.2E-05 U | 1.3E-06 U | 2.2E-06 U |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 9.6E-06 J | 8.4E-06 J | 1.9E-07 U | 8.5E-06 J | 2.4E-07 U | 5E-05 J+ | 1.9E-05 J | 1.1E-05 J | 4E-06 J | 5.1E-05 | 1.5E-06 J | 1.9E-07 U |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 9.2E-06 J+ | 8.2E-06 J | 3.4E-07 U | 7.6E-06 UJ+ | 3.2E-07 U | 1.3E-05 J+ | 5.3E-06 UJ+ | 4.6E-06 UJ+ | 1.2E-06 U | 2.1E-05 J+ | 7.1E-07 U | 4.3E-07 U |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 3.7E-05 J+ | 4.1E-05 J+ | 6.3E-07 U | 5.9E-05 J+ | 4.6E-07 U | 0.00011 J+ | 9.4E-05 J+ | 8.1E-05 J+ | 4.8E-06 | 0.00011 J+ | 2.1E-06 U | 5.1E-07 U |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 9.9E-05 J+ | 9E-05 J+ | 5.3E-07 U | 0.00013 J+ | 4.1E-07 U | 0.00037 J+ | 0.00028 J+ | 0.00027 J+ | 9E-06 | 0.00034 J+ | 2.8E-06 J | 5E-07 U |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 1.7E-05 U | 2E-05 U | 5.3E-07 U | 3.1E-05 UJ+ | 4E-07 U | 3.9E-05 U | 1.9E-05 U | 2.2E-05 U | 2.3E-06 U | 1.8E-05 U | 1.7E-06 U | 4.1E-07 U |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 3.3E-06 U | 3.4E-06 U | 3.6E-07 U | 5.7E-06 U | 3E-07 U | 8.2E-06 U | 4.3E-06 U | 3.8E-06 U | 1.8E-06 J | 9.1E-06 U | 4.9E-07 U | 3.7E-07 U |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 1.4E-05 J | 1.6E-05 J | 3.1E-07 U | 3.9E-05 J | 2.6E-07 U | 5.5E-05 | 4E-05 J | 3.5E-05 J | 4.1E-06 J | 3.1E-05 J | 5.7E-07 J | 3.2E-07 U |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 1.2E-05 J | 9.1E-06 J | 2.8E-07 U | 8.9E-06 J | 2.4E-07 U | 4.6E-05 | 1.5E-05 J | 1.2E-05 J | 3E-06 J | 2.1E-05 J | 4.7E-07 U | 3.8E-07 U |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 2.8E-06 U | 2.8E-06 U | 3E-07 U | 4.7E-06 U | 2.5E-07 U | 6.8E-06 U | 3.6E-06 U | 3.2E-06 U | 1.1E-06 J | 7.5E-06 U | 4.1E-07 U | 3E-07 U |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 1.3E-06 U | 1.1E-06 U | 2.5E-07 U | 9.3E-07 U | 2.1E-07 U | 4.1E-06 U | 3E-06 J | 2.3E-06 J | 1.6E-06 J | 3.7E-06 U | 4.1E-07 U | 3.3E-07 U |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 6.2E-05 | 5.2E-05 | 4.6E-06 J | 2.4E-05 | 3.7E-06 J | 7.4E-05 J+ | 3.2E-05 J | 3.8E-05 J | 7.1E-06 J | 2.7E-05 J | 6.5E-06 J | 1.8E-06 U |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 4.2E-06 UJ+ | 4.3E-06 UJ+ | 5E-07 U | 7.2E-06 UJ+ | 4.1E-07 U | 1.3E-05 J+ | 7E-06 J+ | 5.5E-06 J+ | 2.1E-06 J | 1.6E-05 J+ | 6.5E-07 U | 4.7E-07 U |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 7.5E-05 | 6.3E-05 | 3.8E-07 U | 6.3E-05 | 3.1E-07 U | 0.00034 | 5.9E-05 | 5.8E-05 | 6.6E-06 J | 0.00026 | 1.1E-05 J | 4.7E-07 U |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 1.4E-06 U | 1.2E-06 U | 2.7E-07 U | 1E-06 U | 2.2E-07 U | 4.3E-06 U | 2E-06 U | 1.3E-06 U | 1.1E-06 J | 4E-06 U | 4.5E-07 U | 3.6E-07 U |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 1.3E-06 U | 1.1E-06 U | 2.5E-07 U | 9.4E-07 U | 2.1E-07 U | 5.6E-06 J | 4.3E-06 J | 3.1E-06 J | 3.4E-06 J | 4.3E-06 J | 4.2E-07 U | 3.4E-07 U |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 1.4E-06 U | 8.7E-07 U | 1E-06 U | 1.1E-06 U | 1.1E-06 U | 2.2E-06 J | 6.3E-06 U | 5.1E-06 U | 2.4E-06 U | 1E-05 U | 8.8E-07 U | 1.5E-06 U |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 3.7E-06 J | 6E-06 J | 1.8E-07 U | 5E-06 J | 2.4E-07 U | 4.2E-05 | 1.6E-05 J | 7.9E-06 J | 3E-06 J | 3.1E-05 J | 4.8E-07 J | 1.9E-07 U |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.0002 | 0.00015 | 1.3E-06 U | 0.00017 | 1.5E-06 U | 0.0002 | 4.4E-05 J | 3.9E-05 J | 1.1E-05 J | 0.0002 J+ | 3E-05 J+ | 2E-06 U |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 4E-05 | 3.1E-05 | 1.8E-07 U | 3.4E-05 | 2.4E-07 U | 6.8E-05 | 1.9E-05 J | 1.2E-05 J | 4.3E-06 J | 6.6E-05 | 3.2E-06 J | 1.9E-07 U |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.012 J | 0.0098 J | 3.7E-06 J | 0.011 J | 3E-06 J | 0.052 | 0.0027 | 0.0024 | 0.0012 | 0.012 J | 0.0042 J | 0.0001 |
| PCB 107/124 | mg/Kg | | | 5.9E-05 | 5.5E-05 | 4.9E-07 U | 0.00018 J | 3.6E-07 U | 9.6E-05 | 8E-05 J | 7.7E-05 J | 4.9E-06 J | 8.3E-05 J | 2.2E-06 J | 3.8E-07 U |
| PCB 108/124 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.0017 | 0.0019 | 2E-06 J | 0.0052 J | 2.4E-06 J | 0.0037 | 0.0026 | 0.0024 | 0.00011 | 0.0016 J+ | 0.0001 | 6.6E-06 J |
| PCB 12/13 | mg/Kg | | | 7.9E-06 J | 7E-06 J | 1.2E-06 U | 9.3E-06 J | 1.3E-06 U | 7.2E-05 J | 4.1E-05 J | 2.6E-05 J | 5.5E-06 J | 7.3E-05 J | 1.2E-06 J | 1.8E-06 U |
| PCB 128/166 | mg/Kg | | | 0.0004 | 0.00046 | 5.2E-07 U | 0.0011 | 3.3E-07 U | 0.00084 | 0.00061 | 0.00056 | 2.3E-05 J | 0.00047 | 2.4E-05 J | 1.4E-06 J |
| PCB 129/138/163 | mg/Kg | | | 0.0029 | 0.0036 | 1.7E-06 J | 0.0056 | 1.7E-06 J | 0.0046 | 0.003 | 0.0028 | 0.0001 J | 0.0028 | 0.00023 | 1.6E-05 J |
| PCB 134/143 | mg/Kg | | | 6.7E-05 | 8.5E-05 | 6.3E-07 U | 0.00016 | 3.9E-07 U | 0.00012 | 8.3E-05 | 8.2E-05 J | 4.9E-06 J | 5.6E-05 J | 6.6E-06 J | 4.9E-07 U |
| PCB 135/151 | mg/Kg | | | 0.00051 | 0.0008 | 5.6E-07 U | 0.00065 | 3.8E-07 J | 0.00054 | 0.00032 | 0.00028 | 1.5E-05 J | 0.00034 | 7.1E-05 | 5.7E-06 J |
| PCB 139/140 | mg/Kg | | | 1.8E-05 J | 2.3E-05 J | 5.3E-07 U | 6.7E-05 | 3.3E-07 U | 5E-05 J | 3.4E-05 J | 3.1E-05 J | 3.7E-06 J | 1.7E-05 J | 1.5E-06 J | 4.1E-07 U |
| PCB 147/149 | mg/Kg | | | 0.0014 | 0.0022 | 1.2E-06 J | 0.0022 | 8.4E-07 J | 0.0018 | 0.0011 | 0.00097 | 3.8E-05 J | 0.00091 | 0.00017 | 1.1E-05 J |
| PCB 153/168 | mg/Kg | | | 0.0022 | 0.003 | 1.2E-06 J | 0.0031 | 9.5E-07 J | 0.0028 | 0.0018 | 0.0016 | 5.4E-05 J | 0.0019 | 0.00022 | 1.4E-05 J |
| PCB 156/157 | mg/Kg | | | 0.00032 J+ | 0.00032 J+ | 3.7E-07 U | 0.00096 J+ | 3.4E-07 U | 0.00078 J+ | 0.00052 | 0.00048 | 2.6E-05 | 0.00057 J+ | 2.4E-05 | 1.3E-06 J |
| PCB 171/173 | mg/Kg | | | 0.0004 | 0.00059 | 2.5E-07 U | 0.00024 | 2.1E-07 U | 0.0003 | 0.00015 | 0.00013 | 2.5E-05 J | 0.00038 | 3E-05 J | 7.2E-07 J |
| PCB 18/30 | mg/Kg | | | 9.4E-06 J | 7.7E-06 J | 3E-07 U | 7.3E-06 J | 3.4E-07 U | 5E-05 J | 1.3E-05 J | 7.1E-06 J | 4.1E-06 J | 3.6E-05 J | 1.7E-06 J | 1.1E-06 J |
| PCB 180/193 | mg/Kg | | | 0.0038 | 0.0049 J | 7.3E-07 J | 0.0016 | 5.6E-07 J | 0.0026 | 0.00098 | 0.00085 | 4.2E-05 J | 0.0043 | 0.00028 | 1.8E-05 J |
| PCB 198/199 | mg/Kg | | | 0.00085 | 0.0011 | 3.7E-07 U | 0.00026 | 3.9E-07 U | 0.00057 | 0.00021 | 0.00018 | 3.7E-05 J | 0.0017 | 5.8E-05 | 2.9E-06 J |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-1 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-10 | DD-B-11 | DD-B-12 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-1_SS | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-10_SS | DD-B-11 5-10 | DD-B-12 5-10 |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 10 | 10 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/4/2013 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | | BY-SS-3_SS_11/20/13 | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 7.1E-05 | 6E-05 | 5.8E-07 J | 5.9E-05 | 6.8E-07 J | 0.00024 | 4E-05 J | 3.7E-05 J | 6.2E-06 J | 0.00017 | 2.3E-05 J | 1.9E-06 J |
| PCB 21/33 | mg/Kg | | | 1.8E-05 J | 1.5E-05 J | 2.4E-07 U | 2E-05 J | 3.6E-07 J | 0.0001 | 1.7E-05 J | 9.8E-06 J | 5.4E-06 J | 6.7E-05 J | 2.4E-06 J | 6.2E-07 J |
| PCB 26/29 | mg/Kg | | | 3.7E-06 J | 2.7E-06 J | 2.5E-07 U | 4.1E-06 J | 2E-07 U | 2.6E-05 J | 8.1E-06 J | 5.8E-06 J | 2.8E-06 J | 2.2E-05 J | 5.8E-07 J | 3.3E-07 U |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | 6.4E-05 | 7.1E-05 | 1.4E-07 U | 6.4E-05 | 2.3E-07 U | 0.00011 | 2.6E-05 J | 2.1E-05 J | 9.8E-06 J | 8.8E-05 J+ | 3.4E-06 J | 6.6E-07 J |
| PCB 43/73 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.0002 | 0.00022 | 1.4E-06 J | 0.00035 | 1.7E-06 J | 0.00033 | 0.00012 | 0.00011 J | 1.2E-05 J | 0.00023 J+ | 1.4E-05 J | 2.7E-06 J |
| PCB 45/51 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 8.9E-05 | 9.4E-05 | 3.1E-07 J | 0.00014 | 7E-07 J | 0.00015 | 5.6E-05 J | 5.1E-05 J | 5.9E-06 J | 0.00012 J+ | 5.3E-06 J | 9.6E-07 J |
| PCB 50/53 | mg/Kg | | | 1.1E-05 J | 1.3E-05 J | 1.3E-07 U | 7.9E-06 J | 3.3E-07 J | 1.6E-05 J | 5.1E-06 J | 3.5E-06 J | 7.1E-07 J | 1.6E-05 J | 8.5E-07 J | 2.2E-07 U |
| PCB 59/62/75 | mg/Kg | | | 6E-06 J | 5.6E-06 J | 1E-07 U | 5.3E-06 J | 1.1E-07 U | 1.8E-05 J | 5.4E-06 J | 3.6E-06 J | 4E-06 J | 1.5E-05 J | 8.2E-07 J | 1.7E-07 U |
| PCB 61/70/74/76 | mg/Kg | | | 0.00041 | 0.00035 | 5.3E-07 J | 0.0011 | 9.7E-07 J | 0.0011 | 0.00039 | 0.00039 | 3.6E-05 J | 0.0011 J+ | 3E-05 J | 2.5E-06 J |
| PCB 83/99 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | 0.00019 | 0.0002 | 5.2E-07 U | 0.0006 | 3.9E-07 U | 0.0004 | 0.00027 | 0.00025 | 1.9E-05 J | 0.0002 J+ | 9.6E-06 J | 4E-07 U |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.00078 | 0.0009 | 1.1E-06 J | 0.0024 | 1.4E-06 J | 0.0015 | 0.00097 | 0.00086 | 5.2E-05 J | 0.00076 J+ | 4.3E-05 J | 2.4E-06 J |
| PCB 88/91 | mg/Kg | | | 8.6E-05 | 0.00011 | 5.9E-07 U | 0.00024 | 4.4E-07 U | 0.00016 | 0.00011 | 9.9E-05 | 5.2E-06 J | 7.5E-05 J | 4.7E-06 J | 4.6E-07 U |
| PCB 90/101/113 | mg/Kg | | | 0.0011 | 0.0013 | 1.4E-06 J | 0.0031 | 1.5E-06 J | 0.0021 | 0.0013 | 0.0012 | 6E-05 J | 0.00097 J+ | 9.3E-05 | 7.2E-06 J |
| PCB 93/100 | mg/Kg | | | 1.9E-05 U | 2.2E-05 U | 5.9E-07 U | 3.5E-05 U | 4.4E-07 U | 4.4E-05 U | 2.1E-05 U | 2.5E-05 U | 2.6E-06 U | 2E-05 U | 1.8E-06 U | 4.6E-07 U |
| PCB 98/102 | mg/Kg | | | 1.8E-05 U | 2.1E-05 U | 5.5E-07 U | 3.3E-05 U | 4.1E-07 U | 4.1E-05 U | 2E-05 U | 2.3E-05 U | 2.4E-06 U | 1.9E-05 U | 1.7E-06 U | 4.3E-07 U |
| Total Dichlorobiphenyl | mg/Kg | | | 0.00032 | 0.00024 J | 4.6E-06 J | 0.00023 | 3.7E-06 J | 0.00057 J+ | 0.00023 J | 0.00015 J | 2.9E-05 J | 0.00045 J+ | 4.1E-05 J | 3.2E-06 U |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.012 | 0.017 | 2.4E-06 J | 0.0059 J | 5.6E-07 J | 0.008 | 0.0034 J | 0.0029 J+ | 0.00024 J | 0.013 J+ | 0.00093 J | 5.7E-05 J |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.01 J | 0.014 J | 4.8E-06 J | 0.024 | 4.6E-06 J | 0.016 | 0.01 J | 0.0092 | 0.00042 J+ | 0.0095 J+ | 0.00099 J | 6.4E-05 J |
| Total Monochlorobiphenyl | mg/Kg | | | 5.4E-05 J | 4.6E-05 J | 1.9E-07 U | 4.7E-05 J | 2.4E-07 U | 0.00016 J | 5.4E-05 J | 3.1E-05 J | 1.1E-05 J | 0.00015 J | 5.2E-06 J | 1.9E-07 U |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.0011 | 0.00095 | 4.2E-07 U | 0.00077 | 5.6E-07 U | 0.0033 | 0.00075 | 0.00063 | 0.00034 J | 0.0026 | 0.00019 J | 6.8E-06 J |
| Total Octachlorobiphenyl | mg/Kg | | | 0.0033 | 0.004 | 4.9E-07 U | 0.0011 J | 6.4E-07 U | 0.0026 | 0.00092 | 0.00077 J+ | 0.00021 J | 0.0066 | 0.00027 J | 1.1E-05 J |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.0077 | 0.0085 J | 7.6E-06 J | 0.025 J | 1.1E-05 J | 0.017 | 0.011 | 0.01 J+ | 0.00053 J+ | 0.0093 J+ | 0.00051 | 3.3E-05 J |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.0018 J | 0.0018 J | 4.1E-06 J | 0.0034 J | 1.2E-05 J | 0.0043 J+ | 0.0017 J | 0.0016 J+ | 0.00015 J | 0.0036 J+ | 0.00012 J | 1.5E-05 J |
| Total Trichlorobiphenyl | mg/Kg | | | 0.00027 J | 0.00023 J | 9.4E-07 J | 0.00024 J | 2E-06 J | 0.0012 | 0.00023 J | 0.00019 J | 5.1E-05 J | 0.00087 J+ | 4.8E-05 J | 5E-06 J |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.049 J | 0.057 J | 2.8E-05 J | 0.072 J | 3.7E-05 J | 0.1 J+ | 0.031 J | 0.028 J+ | 0.0032 J+ | 0.058 J+ | 0.0073 J | 0.00029 J |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 1.8E-05 J | 1.7E-05 J | 1.7E-07 J | 1.7E-05 J | 2E-07 J | 1.2E-05 J | 4.9E-05 J | 5.3E-05 J | 2.1E-05 | 1.2E-05 J | 2.6E-06 J | 5.1E-07 J |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 18 J | 17 J | 0.17 J | 17 J | 0.2 J | 12 J | 49 J | 53 J | 21 | 12 J | 2.6 J | 0.51 J |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 1.4E-05 J | 1.3E-05 J | 1.7E-07 J | 1.1E-05 J | 2E-07 J | -- | 4E-05 J | 4.5E-05 J | 2.1E-05 J | -- | 2.6E-06 J | 5.1E-07 J |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 14 J | 13 J | 0.17 J | 11 J | 0.2 J | -- | 40 J | 45 J | 21 J | -- | 2.6 J | 0.51 J |
| Total TEQ-PCB Congener Only | mg/Kg | | | 4.1E-06 J | 4.4E-06 J | 7.3E-11 J | 6.2E-06 J | 6.4E-11 J | 1.2E-05 J | 9.1E-06 | 8.2E-06 J | 4.9E-07 | 1.2E-05 J | 5.1E-09 | 2.4E-10 J |
| Total TEQ-PCB Congener Only | pg/g | | | 4.1 J | 4.4 J | 7.3E-05 J | 6.2 J | 6.4E-05 J | 12 J | 9.1 | 8.2 J | 0.49 | 12 J | 0.0051 | 0.00024 J |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-2 | DD-B-3 | DD-B-4 | DD-B-5 | DD-B-5 | DD-B-6 | DD-B-7 | DD-B-8 | DD-B-9 | FM-SS-1 | FM-SS-1 | FM-SS-2 |
| | | | Sample Name | DD-B-2_SS | DD-B-3_SS | DD-B-4_SS | DD-B-5 Waste Class | DD-B-5_SS | DD-B-6_SS | DD-B-7_SS | DD-B-8_SS | DD-B-9_SS | FM-SS-1_SS | FM-SS-1_SS DUP | FM-SS-2_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 11/14/2013 | 12/2/2013 | 11/13/2013 | 11/13/2013 | 12/3/2013 | 12/6/2013 | 12/4/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | | | | | | | | | | FM-SS-1_SS_11/20/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.01 J | 0.00095 | 0.0045 | -- | 0.00081 | 0.00036 J | 0.0019 | 0.00036 J | 0.00041 J | 0.00054 J+ | 0.00067 | 0.0002 J |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.0036 | 0.0002 | 0.012 | -- | 0.0012 | 0.00022 J | 0.002 | 0.00029 J | 0.00096 | 0.00016 | 0.00019 | 4.9E-05 J |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.0026 | 0.0012 | 0.0033 | -- | 0.0011 | 0.00034 J | 0.0022 | 0.00042 | 0.00045 | 0.00017 | 0.00021 | 0.00021 J |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.00047 | 8.6E-05 | 0.0041 | -- | 0.00039 | 5.8E-05 J | 0.00065 | 0.00011 J | 0.00031 J | 2.1E-05 J | 2.6E-05 J | 5.6E-06 U |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.00097 | 0.00027 | 0.0057 | -- | 0.00052 | 0.00013 J | 0.00099 | 0.00018 J | 0.00046 | 5E-05 | 5.9E-05 | 2.6E-05 J |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.0023 | 0.00011 | 0.036 | -- | 0.0024 | 0.0004 J | 0.0047 J | 0.00069 J+ | 0.0024 | 0.00015 | 0.00017 | 6.8E-05 J |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 0.00021 | 0.0002 | 0.00073 | -- | 0.00012 | 4.1E-05 J | 0.00028 | 6.8E-05 J | 8.6E-05 J | 1.7E-05 J | 2.2E-05 J | 2.3E-05 J |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.0024 | 0.0009 | 0.0027 | -- | 0.00087 | 0.0003 J | 0.0017 | 0.00031 J | 0.00032 J | 0.00028 | 0.00034 | 0.0002 J |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 0.00034 | 0.00015 | 0.0051 | -- | 0.00041 | 3.8E-05 J | 0.00076 | 9E-05 J | 0.00036 J | 3E-05 J | 3E-05 J | 5.7E-06 U |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 0.00013 | 7.9E-05 | 0.0012 | -- | 0.00012 | 2.4E-05 J | 0.00018 | 2.6E-05 J | 6.4E-05 J | 2.1E-05 J | 2.9E-05 J | 8.4E-06 J |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 0.00026 | 0.0002 | 0.0013 | -- | 0.00019 | 5.9E-05 J | 0.00035 | 7.9E-05 J | 0.00011 J | 2.3E-05 J | 2.8E-05 J | 2.5E-05 J |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.0017 | 0.00012 | 0.031 | -- | 0.002 | 0.00029 J | 0.0039 | 0.00057 J+ | 0.002 | 0.00013 | 0.00017 | 7.5E-05 J |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 7.4E-05 | 8.9E-05 | 0.0011 | -- | 6.8E-05 | 1.2E-05 U | 0.00014 | 3.3E-05 J | 6.8E-05 J | 8.7E-06 J | 1.2E-05 J | 7E-06 U |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.0009 | 7.6E-05 | 0.018 | -- | 0.0011 | 0.00019 J | 0.0023 | 0.00035 J | 0.0011 | 6.2E-05 | 7.7E-05 | 2.8E-05 J |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 0.00029 | 9.2E-05 | 0.007 J+ | -- | 0.0003 | 6E-05 J | 0.00061 | 9.5E-05 J | 0.00032 J | 3E-05 J | 3.6E-05 J | 1.6E-05 J |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 0.00014 | 4.6E-05 | 0.0028 | -- | 0.00013 | 1.7E-05 J | 0.00028 | 3.5E-05 J | 0.00015 J | 1.1E-05 J | 1.4E-05 J | 1E-05 J |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 3.3E-05 J | 2.2E-05 J | 0.0014 UJ+ | -- | 2.5E-05 J | 2.7E-05 U | 8E-05 | 2.1E-05 U | 5.4E-05 J | 4.8E-06 J | 5.1E-06 J | 1E-05 U |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.0015 | 3.8E-05 J | 0.036 J+ | -- | 0.0011 | 0.0003 J | 0.0027 | 0.0004 J | 0.0018 | 0.0001 | 0.00012 | 8.4E-05 J |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.00047 J+ | 1.8E-05 J | 0.0057 J+ | -- | 0.00021 J+ | 9.4E-05 J | 0.00092 J+ | 0.00014 J | 0.00044 | 3.5E-05 J | 3.9E-05 J | 2.7E-05 J |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 0.00026 | 8.9E-05 | 0.0016 | -- | 0.0002 | 6.1E-05 J | 0.00034 | 5.8E-05 J | 0.00012 J | 7.3E-05 | 9.1E-05 | 2.6E-05 J |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 0.00021 | 6.3E-05 | 0.0046 | -- | 0.00026 | 4.6E-05 J | 0.00059 | 8.4E-05 J | 0.00029 J | 2.4E-05 J | 3.1E-05 J | 1.1E-05 J |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 4.6E-05 | 3.5E-05 J | 0.0014 UJ+ | -- | 4.6E-05 | 2.5E-05 U | 0.0001 | 2E-05 U | 5.5E-05 J | 6.6E-06 J | 7.7E-06 J | 9.5E-06 U |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 0.00041 | 3.8E-05 J | 0.0093 | -- | 0.00045 | 6.7E-05 J | 0.00097 | 0.00011 J | 0.00049 | 3.4E-05 J | 4.3E-05 | 2.2E-05 J |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | 0.00013 J+ | 1.3E-05 U | 0.0019 J+ | -- | 5.3E-05 UJ+ | 3.2E-05 J | 0.00021 J+ | 3.3E-05 J | 0.00011 J | 9.8E-06 J | 1.2E-05 U | 1.1E-05 U |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.00038 | 9.6E-06 J | 0.011 J+ | -- | 0.00028 | 4.8E-05 J | 0.00068 | 6.9E-05 J | 0.00045 | 2.3E-05 J | 2.9E-05 J | 2.1E-05 J |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.00066 J+ | 1.7E-05 J | 0.0093 J+ | -- | 0.0003 J+ | 0.0001 J | 0.0013 J+ | 0.00013 J | 0.00076 | 4.4E-05 | 5.4E-05 | 4E-05 J |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.0021 | 0.00014 | 0.0071 | -- | 0.00064 | 0.00018 J | 0.0013 | 0.0002 J | 0.00055 | 0.00012 | 0.00016 | 4.5E-05 J |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 6.2E-05 | 0.00013 | 0.00011 J | -- | 3.1E-05 J | 6.3E-06 U | 5.9E-05 | 2.9E-05 J | 9.3E-06 U | 9.1E-06 J | 9.1E-06 J | 7E-06 J |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 3.1E-05 J | 4.5E-05 | 4.5E-05 U | -- | 4.2E-06 U | 9.7E-06 U | 3.3E-05 J | 8.2E-06 U | 1.1E-05 U | 4.2E-06 J | 5.6E-06 J | 4.7E-06 U |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 2.9E-05 J | 5.2E-05 | 2.1E-05 U | -- | 2E-06 U | 1.2E-05 U | 3.1E-05 J | 9E-06 U | 1.3E-05 J | 4.1E-06 J | 4.9E-06 J | 6.5E-06 U |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.0014 | 0.00014 | 0.016 | -- | 0.001 | 0.00016 J | 0.0019 | 0.00028 J | 0.001 | 7E-05 | 8.3E-05 | 3.8E-05 J |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 0.00033 | 4.1E-05 | 0.005 J+ | -- | 0.00016 | 4.4E-05 J | 0.0004 | 6.4E-05 J | 0.0002 J | 1.7E-05 J | 2E-05 J | 1.3E-05 J |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 3.9E-05 | 7E-05 | 0.00011 J | -- | 2.3E-05 J | 9.3E-06 U | 4.3E-05 J | 1.8E-05 J | 1.1E-05 J | 5.7E-06 J | 7.1E-06 J | 5.9E-06 J |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 0.00016 | 3.4E-05 J | 0.0013 | -- | 0.00016 | 2.9E-05 J | 0.00036 | 4.8E-05 J | 8.8E-05 J | 3.6E-05 J | 6.8E-05 | 1.4E-05 J |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.0015 | 9.6E-05 | 0.031 | -- | 0.0018 | 0.00031 J | 0.0038 | 0.00056 J+ | 0.0019 | 0.00019 | 0.00024 | 9.4E-05 J |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.001 | 9.4E-05 | 0.02 J+ | -- | 0.00078 | 0.00016 J | 0.0018 | 0.00024 J | 0.0012 | 9.2E-05 | 0.00012 | 5.6E-05 J |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 0.00063 | 9.3E-05 | 0.016 J+ | -- | 0.00061 | 0.00013 J | 0.0014 | 0.00021 J | 0.00075 | 5.6E-05 | 6.8E-05 | 3.7E-05 J |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 4.6E-06 J | 1.2E-05 J | 1.6E-05 U | -- | 1.5E-06 U | 8.8E-06 U | 2.4E-06 U | 6.9E-06 U | 4.1E-06 U | 1.2E-06 J | 1.7E-06 J | 5E-06 U |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 2.5E-05 J | 5.4E-05 | 6.9E-05 J | -- | 2E-05 J | 9.6E-06 U | 2.9E-05 J | 7.1E-06 U | 4.5E-06 U | 3.6E-06 J | 5.3E-06 J | 4.4E-06 U |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 3E-05 U | 2.4E-05 J | 0.0013 UJ+ | -- | 2.2E-05 U | 2.5E-05 U | 3.1E-05 U | 1.9E-05 U | 4.4E-05 U | 6.6E-06 J | 1E-05 J | 9.3E-06 U |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 0.00019 | 2.6E-05 J | 0.0047 J+ | -- | 0.00014 | 3.3E-05 J | 0.00033 | 4.2E-05 J | 0.00022 J | 1.5E-05 J | 2E-05 J | 1E-05 J |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 2.7E-05 U | 2.3E-05 J | 0.0012 UJ+ | -- | 2E-05 U | 2.2E-05 U | 2.8E-05 U | 1.7E-05 U | 3.9E-05 U | 2.4E-06 U | 3.6E-06 U | 8.3E-06 U |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 1.9E-05 U | 4.6E-06 J | 0.00086 UJ+ | -- | 1.4E-05 U | 1.6E-05 U | 2E-05 U | 1.2E-05 U | 2.8E-05 U | 1.8E-06 U | 2.6E-06 U | 6E-06 U |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 1.8E-05 U | 7.5E-06 J | 0.0008 UJ+ | -- | 1.3E-05 U | 1.5E-05 U | 1.9E-05 U | 1.2E-05 U | 2.6E-05 U | 1.6E-06 U | 2.4E-06 U | 5.6E-06 U |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 8.9E-05 UJ+ | 2E-05 J | 0.0012 UJ+ | -- | 4.2E-05 UJ+ | 2.4E-05 U | 8.8E-05 UJ+ | 2.3E-05 U | 7.6E-05 U | 7.2E-06 U | 9.7E-06 U | 8.9E-06 U |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | 2.7E-06 U | 1.7E-06 J | 0.00012 J | -- | 2.5E-05 J | 1.6E-05 U | 0.0008 | 1E-05 J | 1.9E-05 J | 3.3E-06 J | 4.8E-06 J | 6.9E-06 U |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 8.3E-05 | 4.5E-06 J | 0.00045 | -- | 8.7E-05 | 1.4E-05 U | 0.0013 | 3.3E-05 J | 9.2E-05 J | 9.4E-06 J | 1.2E-05 J | 5.9E-06 U |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.00059 J+ | 2.4E-05 J | 0.015 J+ | -- | 0.00027 | 6.9E-05 J | 0.00097 J+ | 0.0001 J | 0.00066 | 3.8E-05 J | 4.7E-05 | 3.3E-05 J |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 1.9E-05 U | 3.3E-06 U | 0.00082 UJ+ | -- | 1.4E-05 U | 1.5E-05 U | 1.9E-05 U | 1.2E-05 U | 2.7E-05 U | 1.7E-06 U | 2.5E-06 U | 5.7E-06 U |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 8.5E-05 UJ+ | 9.5E-06 U | 0.0011 UJ+ | -- | 3.9E-05 U | 2.3E-05 U | 8.3E-05 UJ+ | 2.2E-05 U | 7.2E-05 U | 6.8E-06 U | 9.2E-06 U | 8.4E-06 U |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.0022 J+ | 3.3E-05 J | 0.053 J+ | -- | 0.0011 | 0.00028 J | 0.0038 J+ | 0.00035 J | 0.0026 | 0.0001 | 0.00013 | 0.00013 J |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | 2.4E-06 U | 2E-06 J | 3.9E-05 U | -- | 1.2E-05 J | 1.4E-05 U | 0.00013 | 8.5E-06 U | 6.6E-06 U | 2.3E-06 J | 3.1E-06 J | 6.1E-06 U |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 2.4E-06 J | 1.1E-06 J | 0.00011 J | -- | 3.9E-06 J | 7.3E-06 U | 3.6E-05 J | 4.9E-06 U | 5.6E-06 J | 6.5E-07 J | 1E-06 J | 2.9E-06 U |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | 2E-05 J | 1.4E-06 J | 0.00017 J | -- | 4.2E-05 | 1.4E-05 U | 0.0007 | 1.1E-05 J | 1.9E-05 J | 3.5E-06 J | 3.9E-06 J | 6E-06 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-2 | DD-B-3 | DD-B-4 | DD-B-5 | DD-B-5 | DD-B-6 | DD-B-7 | DD-B-8 | DD-B-9 | FM-SS-1 | FM-SS-1 | FM-SS-2 |
| | | | Sample Name | DD-B-2_SS | DD-B-3_SS | DD-B-4_SS | DD-B-5 Waste Class | DD-B-5_SS | DD-B-6_SS | DD-B-7_SS | DD-B-8_SS | DD-B-9_SS | FM-SS-1_SS | FM-SS-1_SS DUP | FM-SS-2_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 11/14/2013 | 12/2/2013 | 11/13/2013 | 11/13/2013 | 12/3/2013 | 12/6/2013 | 12/4/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | | | | | | | | | | FM-SS-1_SS_11/20/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 2.5E-06 U | 4E-07 U | 7E-05 J | -- | 1.6E-05 J | 1.5E-05 U | 0.00034 | 8.9E-06 U | 6.9E-06 U | 7.8E-07 J | 1.9E-06 J | 6.4E-06 U |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 4E-05 | 2.5E-06 U | 0.00032 J | -- | 7.7E-05 | 4.3E-05 U | 0.00093 | 2.2E-05 U | 3.1E-05 J | 6.3E-06 J | 9E-06 J | 3.4E-05 U |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 4.1E-05 | 3.2E-05 J | 0.0011 UJ+ | -- | 2.4E-05 J | 2E-05 U | 5.1E-05 J+ | 1.5E-05 U | 3.5E-05 U | 3.1E-06 J | 3.2E-06 U | 7.4E-06 U |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | 0.0029 J+ | 4.2E-05 | 0.039 J+ | -- | 0.00089 | 0.00025 J | 0.0029 J+ | 0.00038 J | 0.0017 | 0.00011 | 0.00013 | 9.4E-05 J |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 2.6E-05 U | 8.9E-06 J | 0.00089 UJ+ | -- | 1.7E-05 U | 1.7E-05 U | 2.3E-05 U | 1.3E-05 U | 3E-05 U | 2.3E-06 U | 3.3E-06 U | 5.5E-06 U |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 7.4E-05 UJ+ | 8.3E-06 U | 0.00099 UJ+ | -- | 3.4E-05 U | 2E-05 U | 7.2E-05 UJ+ | 1.9E-05 U | 6.3E-05 U | 5.9E-06 U | 8E-06 U | 7.3E-06 U |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 5E-05 | 1.8E-06 J | 0.00024 J | -- | 4.8E-05 | 1.2E-05 U | 0.0011 | 1.5E-05 J | 4.6E-05 J | 9.2E-06 J | 1.4E-05 J | 5.5E-06 U |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 3.2E-06 J | 1.6E-06 J | 6.2E-06 U | -- | 4E-07 J | 7.1E-06 U | 8.6E-07 J | 4.8E-06 U | 4E-06 U | 4E-07 J | 1.4E-06 J | 2.6E-06 U |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | 1.9E-06 U | 1.1E-06 J | 4E-05 J | -- | 9.9E-06 J | 1.1E-05 U | 0.0002 | 7E-06 U | 5.4E-06 U | 8.1E-07 J | 8.7E-07 J | 5E-06 U |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 5.2E-05 | 1.8E-06 U | 0.00021 J | -- | 3.1E-05 J | 3E-05 U | 0.00081 | 1.6E-05 U | 2.1E-05 J | 4.4E-06 J | 7.5E-06 J | 2.4E-05 U |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.0014 | 2.5E-05 J | 0.021 | -- | 0.00067 | 0.00019 J | 0.0054 J | 0.00023 J | 0.0013 | 0.00011 | 0.00015 | 0.0001 J |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 1.9E-06 U | 7.1E-07 U | 8E-06 U | -- | 7.6E-07 U | 1.5E-05 U | 1.4E-05 J | 1E-05 U | 5.8E-06 U | 2.9E-07 U | 1.4E-06 J | 5.6E-06 U |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 1.1E-05 J | 2.3E-06 U | 5.7E-05 J | -- | 1.8E-05 J | 3.3E-05 U | 0.00029 | 1.9E-05 U | 1.7E-05 U | 1.2E-06 J | 3E-06 J | 2.5E-05 U |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 7.4E-05 | 7.9E-06 U | 0.00051 J+ | -- | 9.4E-05 | 0.00033 U | 0.00015 J+ | 0.00014 U | 7E-05 U | 9E-06 U | 1.3E-05 J | 0.00015 U |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 0.00022 | 0.00013 | 0.0007 | -- | 0.00011 | 1.5E-05 J | 0.00015 | 4.3E-05 J | 6E-05 J | 2E-05 J | 3E-05 J | 8.5E-06 J |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 0.00016 | 7.5E-05 | 0.0014 | -- | 9.2E-05 | 1.3E-05 U | 0.00018 | 3.6E-05 J | 8.2E-05 | 1E-05 | 1.4E-05 | 7.8E-06 U |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.00053 | 8.8E-05 | 0.0071 | -- | 0.00051 | 6.8E-05 J | 0.00097 | 0.00012 J | 0.00053 | 4.7E-05 | 7.1E-05 | 1.3E-05 J |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 0.00019 | 6.9E-05 | 0.0014 | -- | 0.00013 | 1.5E-05 J | 0.00019 | 2.1E-05 J | 7.6E-05 J | 1E-05 J | 1.3E-05 J | 4.1E-06 U |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.00077 | 5.5E-05 | 0.013 J+ | -- | 0.00055 | 0.00015 J | 0.0011 | 0.00019 J | 0.00068 | 5.2E-05 | 6.1E-05 | 3E-05 J |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.0027 J+ | 8.9E-05 J+ | 0.03 J+ | -- | 0.0014 J+ | 0.00049 | 0.0031 J+ | 0.00068 J+ | 0.0016 J+ | 0.00017 J+ | 0.0002 J+ | 0.00012 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 4.8E-06 U | 4.1E-05 | 4.1E-05 U | -- | 3.8E-06 U | 8.9E-06 U | 7.7E-06 U | 7.5E-06 U | 1E-05 U | 2.8E-06 J | 4.4E-06 J | 4.3E-06 U |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 4.4E-05 | 4.4E-05 | 0.00015 U | -- | 5.4E-05 | 1.1E-05 U | 9.4E-05 | 8.3E-06 U | 1.4E-05 U | 3.5E-06 J | 4.2E-06 U | 5.4E-06 U |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 4.9E-05 | 4.7E-05 | 0.00043 J | -- | 5.5E-05 | 1.1E-05 U | 4.1E-05 J | 8E-06 U | 1.5E-05 J | 4.9E-06 J | 4.1E-06 U | 5.2E-06 U |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 2.4E-05 U | 4.3E-06 U | 0.0011 UJ+ | -- | 1.7E-05 U | 2E-05 U | 2.4E-05 U | 1.5E-05 U | 3.5E-05 U | 1.3E-05 J | 2E-05 J | 7.4E-06 U |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 2.1E-05 U | 2.8E-05 J | 0.00092 UJ+ | -- | 1.5E-05 U | 1.7E-05 U | 2.1E-05 U | 1.3E-05 U | 3E-05 U | 1.9E-06 U | 2.8E-06 U | 6.4E-06 U |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.00037 | 5.7E-05 | 0.0084 J+ | -- | 0.00037 | 6.4E-05 J | 0.00075 | 0.00013 J | 0.00046 | 3.4E-05 J | 4E-05 | 1.7E-05 J |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 7.2E-05 UJ+ | 5.1E-05 | 0.00096 UJ+ | -- | 3.3E-05 U | 2E-05 U | 7E-05 UJ+ | 1.9E-05 U | 6.1E-05 U | 7.2E-06 J | 1.3E-05 J | 7.1E-06 U |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 7.3E-05 UJ+ | 1.5E-05 J | 0.00098 UJ+ | -- | 3.4E-05 U | 2E-05 U | 7.2E-05 UJ+ | 1.9E-05 U | 6.3E-05 U | 5.9E-06 U | 7.9E-06 U | 7.3E-06 U |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | 0.00029 J+ | 4.7E-05 | 0.0051 J+ | -- | 0.00021 | 4.6E-05 J | 0.00036 J+ | 6.8E-05 J | 0.00024 J | 2.4E-05 J | 2.7E-05 J | 1.4E-05 J |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 1.9E-05 U | 2.2E-06 U | 0.00011 U | -- | 9E-06 U | 1.5E-05 U | 3.1E-05 U | 1.2E-05 U | 1.6E-05 U | 5.3E-06 U | 6.4E-06 U | 6.7E-06 U |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 0.00032 | 1.4E-05 J | 0.0022 | -- | 0.00025 | 4.8E-05 J | 0.0031 | 0.00017 J | 0.00023 J | 3.1E-05 J | 3.8E-05 J | 1.5E-05 J |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 2.4E-05 U | 2E-05 J | 0.0011 UJ+ | -- | 1.8E-05 U | 2E-05 U | 2.5E-05 U | 1.5E-05 U | 3.5E-05 U | 2.2E-06 U | 3.2E-06 U | 7.4E-06 U |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 5.8E-05 UJ+ | 2.7E-05 J | 0.00078 UJ+ | -- | 2.7E-05 U | 1.6E-05 U | 5.7E-05 UJ+ | 1.5E-05 U | 5E-05 U | 4.7E-06 U | 6.3E-06 U | 5.8E-06 U |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 5.6E-05 UJ+ | 6.3E-06 U | 0.00075 UJ+ | -- | 2.6E-05 U | 1.5E-05 U | 5.5E-05 UJ+ | 1.5E-05 U | 4.8E-05 U | 4.5E-06 U | 6.1E-06 U | 5.6E-06 U |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 1.8E-05 U | 2.2E-06 U | 0.00011 U | -- | 8.9E-06 U | 1.4E-05 U | 3.1E-05 U | 1.1E-05 U | 1.6E-05 U | 5.2E-06 U | 6.3E-06 U | 6.6E-06 U |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 1.8E-05 U | 6.9E-06 J | 0.00011 U | -- | 3.2E-05 J | 1.5E-05 U | 3.1E-05 U | 1.2E-05 U | 1.6E-05 U | 5.2E-06 U | 6.3E-06 U | 6.6E-06 U |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.00051 J+ | 7E-05 J+ | 0.0054 J+ | -- | 0.00027 J+ | 6.1E-05 J+ | 0.0005 J+ | 9.3E-05 J+ | 0.00032 | 2.5E-05 | 2.9E-05 | 1.3E-05 J |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 0.00013 J+ | 1.6E-05 J+ | 0.00099 UJ+ | -- | 5.8E-05 J+ | 1.9E-05 U | 0.0001 J+ | 1.9E-05 U | 6.1E-05 UJ+ | 1.3E-05 J+ | 1.8E-05 J+ | 7.2E-06 U |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.0066 J | 0.00014 J+ | 0.077 J | -- | 0.0025 J+ | 0.00082 | 0.0051 J | 0.00097 J+ | 0.0037 J+ | 0.00035 J+ | 0.0004 J+ | 0.00022 J+ |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 0.00012 J+ | 1.1E-05 J+ | 0.00089 UJ+ | -- | 4.1E-05 J+ | 2E-05 U | 8.8E-05 J+ | 1.7E-05 UJ+ | 5.9E-05 UJ+ | 5.3E-06 UJ+ | 7.4E-06 UJ+ | 7.2E-06 U |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | 0.11 | -- | -- | -- | -- | 0.0013 J+ | 0.0054 | -- | -- | 0.00028 J |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 0.00046 | 5.6E-06 J | 0.0008 | -- | 0.00015 | 1.5E-05 U | 0.0019 | 9.7E-05 J | 0.00011 J | 1.3E-05 J | 2E-05 J | 7.2E-06 J |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.0023 | 3.1E-05 J | 0.006 | -- | 0.00055 | 0.00011 J | 0.0061 J | 0.00037 J | 0.00052 | 7.5E-05 | 8.7E-05 | 4.1E-05 J |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 6.2E-05 UJ+ | 3E-05 J | 0.00083 UJ+ | -- | 2.9E-05 U | 1.7E-05 U | 6.1E-05 UJ+ | 1.6E-05 U | 5.3E-05 U | 5E-06 U | 6.7E-06 U | 6.2E-06 U |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 5.8E-05 UJ+ | 1.1E-05 J | 0.00078 UJ+ | -- | 2.7E-05 U | 1.6E-05 U | 5.7E-05 UJ+ | 1.5E-05 U | 5E-05 U | 4.7E-06 U | 6.3E-06 U | 5.8E-06 U |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 3.6E-05 J | 2.1E-06 U | 0.0001 U | -- | 2.1E-05 J | 1.4E-05 U | 0.00017 J+ | 1.1E-05 U | 1.5E-05 U | 4.9E-06 U | 5.9E-06 U | 6.2E-06 U |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 2.2E-05 J | 2.1E-06 U | 0.0001 U | -- | 1.2E-05 J | 1.4E-05 U | 0.00011 | 1.1E-05 U | 1.5E-05 U | 4.8E-06 U | 5.9E-06 U | 6.2E-06 U |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 1.6E-05 U | 1.2E-05 J | 9.8E-05 U | -- | 7.9E-06 U | 1.3E-05 U | 2.7E-05 U | 1E-05 U | 1.4E-05 U | 4.6E-06 U | 5.6E-06 U | 5.9E-06 U |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 0.00025 | 4.7E-06 J | 0.003 | -- | 0.00019 | 3E-05 J | 0.0019 | 7.9E-05 J | 0.00022 J | 2E-05 J | 2.6E-05 J | 1E-05 J |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 0.00013 | 3.2E-06 J | 0.00056 | -- | 0.00013 | 1.6E-05 U | 0.0021 J+ | 7.4E-05 J | 9.9E-05 J | 1E-05 J | 1.3E-05 J | 9E-06 U |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 4E-05 | 1.8E-06 J | 7E-05 J | -- | 1.1E-05 J | 1.5E-05 U | 0.00011 J+ | 8E-06 U | 1.3E-05 J | 2.2E-06 J | 3.3E-06 J | 7.9E-06 U |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 1.8E-05 U | 1E-05 J | 0.00011 U | -- | 8.6E-06 U | 1.4E-05 U | 3E-05 U | 1.1E-05 U | 1.5E-05 U | 5E-06 U | 6.1E-06 U | 6.4E-06 U |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | 1.6E-06 U | 1.9E-06 J | 2.7E-05 U | -- | 4.3E-07 U | 9.6E-06 U | 3.6E-06 U | 5.9E-06 U | 4.6E-06 U | 3.5E-07 U | 3.5E-07 U | 4.2E-06 U |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 1.2E-05 U | 7.2E-07 U | 3.2E-05 U | -- | 4.5E-06 U | 1.4E-05 U | 4.1E-05 U | 7.8E-06 U | 8.4E-06 U | 2E-06 U | 2.5E-06 U | 7.6E-06 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-2 | DD-B-3 | DD-B-4 | DD-B-5 | DD-B-5 | DD-B-6 | DD-B-7 | DD-B-8 | DD-B-9 | FM-SS-1 | FM-SS-1 | FM-SS-2 |
| | | | Sample Name | DD-B-2_SS | DD-B-3_SS | DD-B-4_SS | DD-B-5 Waste Class | DD-B-5_SS | DD-B-6_SS | DD-B-7_SS | DD-B-8_SS | DD-B-9_SS | FM-SS-1_SS | FM-SS-1_SS DUP | FM-SS-2_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 11/14/2013 | 12/2/2013 | 11/13/2013 | 11/13/2013 | 12/3/2013 | 12/6/2013 | 12/4/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | | | | | | | | | | FM-SS-1_SS_11/20/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 1.3E-05 U | 7.5E-07 U | 3.4E-05 U | -- | 4.6E-06 U | 1.5E-05 U | 4.3E-05 U | 8.1E-06 U | 8.8E-06 U | 2.1E-06 U | 2.6E-06 U | 7.9E-06 U |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 3.7E-06 J | 1.3E-06 U | 1.2E-05 U | -- | 2.3E-06 J | 2.2E-05 U | 3.7E-05 J | 1.2E-05 U | 1E-05 U | 7.4E-07 J | 1.2E-06 J | 1.8E-05 U |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 6.2E-06 J | 1.3E-06 U | 4.2E-05 J | -- | 1.4E-05 J | 2.3E-05 U | 0.00019 | 1.2E-05 U | 1E-05 U | 1.2E-06 J | 1.6E-06 J | 1.8E-05 U |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 1.6E-05 U | 5.6E-06 U | 0.00013 U | -- | 1.1E-05 J | 0.00031 U | 1.1E-05 U | 0.0002 U | 0.00011 U | 8.4E-06 U | 6.1E-06 U | 0.00016 U |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 5.8E-05 | 5.6E-06 U | 0.00047 J+ | -- | 0.0001 | 0.00031 U | 0.00013 | 0.0002 U | 0.00011 U | 9.1E-06 J | 1.2E-05 J | 0.00016 U |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 0.00038 | 7.1E-06 J | 0.001 | -- | 0.00019 | 4.8E-05 J | 0.003 | 0.00013 J | 0.00018 J | 2.7E-05 J | 3.5E-05 J | 1.2E-05 J |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 3.6E-05 J | 1E-06 U | 0.00014 J | -- | 4.4E-05 | 1.8E-05 U | 0.0005 | 9.1E-06 U | 2.2E-05 J | 3.1E-06 J | 4.9E-06 J | 1.4E-05 U |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 2.4E-05 J | 5.3E-06 U | 0.00012 U | -- | 7.2E-06 UJ+ | 0.00029 U | 1E-05 U | 0.00019 U | 0.0001 U | 7.9E-06 U | 5.7E-06 U | 0.00015 U |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 0.00052 | 5.5E-06 U | 0.00086 J+ | -- | 0.00015 | 0.00031 U | 0.00044 | 0.00019 U | 0.00011 U | 1.4E-05 J | 2.6E-05 J | 0.00016 U |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 2.8E-05 J | 5.9E-06 U | 0.00014 U | -- | 3.4E-05 J | 0.00033 U | 2.3E-05 J | 0.00021 U | 0.00012 U | 8.9E-06 U | 6.5E-06 U | 0.00017 U |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 5.7E-06 U | 4.3E-06 U | 5.6E-05 U | -- | 5.3E-06 U | 0.00021 U | 1.7E-05 U | 8.1E-05 U | 4.3E-05 U | 5.2E-06 U | 3.9E-06 U | 0.0001 U |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 0.00016 | 4.8E-06 J | 0.0003 J | -- | 8.2E-05 | 6.8E-06 U | 0.00012 | 3.6E-05 J | 1.3E-05 J | 9.8E-06 J | 1.4E-05 J | 3.5E-06 U |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 1.6E-05 UJ+ | 6.8E-06 J+ | 0.00016 UJ+ | -- | 1E-05 UJ+ | 1.3E-05 U | 1.2E-05 UJ+ | 9E-06 U | 1.4E-05 U | 3E-06 U | 4.3E-06 UJ+ | 7.8E-06 U |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 7.7E-05 UJ+ | 2.4E-05 J+ | 0.0011 UJ+ | -- | 8.6E-05 J+ | 2.4E-05 U | 0.00015 J+ | 2.6E-05 U | 7.1E-05 UJ+ | 1.2E-05 J+ | 1.4E-05 J+ | 1E-05 U |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 0.00028 J+ | 3.2E-05 | 0.0017 J+ | -- | 0.00026 J+ | 6.1E-05 J+ | 0.001 J+ | 0.00013 J+ | 0.00015 | 6.2E-05 J+ | 7.5E-05 J+ | 1.6E-05 J |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 7.2E-05 UJ+ | 3E-05 J | 0.00096 UJ+ | -- | 3.3E-05 U | 1.9E-05 U | 7E-05 UJ+ | 1.9E-05 U | 6.1E-05 U | 5.8E-06 U | 7.8E-06 U | 7.1E-06 U |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 2.1E-05 U | 8.2E-06 J | 0.00012 U | -- | 1E-05 U | 1.6E-05 U | 3.5E-05 U | 1.3E-05 U | 1.8E-05 U | 5.9E-06 U | 7.1E-06 U | 7.5E-06 U |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 0.00011 | 2.7E-05 J | 0.0013 | -- | 5.6E-05 | 1.4E-05 U | 0.0001 | 1.1E-05 U | 6.6E-05 J | 1.1E-05 J | 1.7E-05 J | 6.5E-06 U |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 2.8E-05 J | 1.3E-05 J | 0.0008 | -- | 2.9E-05 J | 6.2E-05 J | 6.7E-05 J+ | 9.4E-06 U | 4.3E-05 J | 0.00022 | 0.00024 | 0.0001 J |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 1.7E-05 U | 1.4E-05 J | 0.0001 U | -- | 8.4E-06 U | 1.4E-05 U | 2.9E-05 U | 1.1E-05 U | 1.5E-05 U | 4.9E-06 U | 5.9E-06 U | 6.2E-06 U |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 1.3E-05 U | 4.4E-06 J | 3.4E-05 U | -- | 4.7E-06 U | 1.5E-05 U | 4.4E-05 U | 8.2E-06 U | 8.9E-06 U | 1.2E-05 J | 1.2E-05 J | 8.1E-06 U |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 4.7E-05 | 1.3E-05 J | 0.0044 J+ | -- | 0.00013 | 0.0015 | 0.00011 | 0.00021 U | 0.00011 U | 0.0011 | 0.0012 | 0.0019 J |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 2.3E-05 J+ | 9.3E-06 J+ | 0.00014 UJ+ | -- | 1.1E-05 J+ | 2E-05 U | 3.3E-05 UJ+ | 1.5E-05 U | 1.9E-05 U | 5.9E-06 UJ+ | 7.8E-06 UJ+ | 9.8E-06 U |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 0.00097 | 2.7E-05 J | 0.00086 | -- | 0.00029 | 2E-05 UJ+ | 0.0035 J+ | 0.00012 J | 0.00017 J | 2.8E-05 J | 3.5E-05 J | 2E-05 J |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 1.4E-05 U | 8.2E-07 U | 3.7E-05 U | -- | 5.1E-06 U | 1.6E-05 U | 4.7E-05 U | 8.8E-06 U | 9.6E-06 U | 2.3E-06 U | 3E-06 J | 8.6E-06 U |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 1.3E-05 U | 5.6E-06 J | 3.5E-05 U | -- | 4.8E-06 U | 1.5E-05 U | 4.4E-05 U | 8.3E-06 U | 9E-06 U | 2.1E-06 U | 2.7E-06 U | 8.1E-06 U |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 1.4E-05 U | 4.9E-06 U | 0.00012 U | -- | 6.7E-06 U | 0.00027 U | 9.6E-06 U | 0.00017 U | 9.6E-05 U | 7.3E-06 U | 5.3E-06 U | 0.00014 U |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 5.9E-05 | 2.7E-06 J | 0.00018 J | -- | 6E-05 | 7.2E-06 U | 9.2E-05 | 1.8E-05 J | 4.8E-06 J | 1.2E-05 J | 1.5E-05 J | 3.6E-06 U |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.0033 | 0.00012 | 0.00064 J+ | -- | 0.00015 | 0.00034 U | 0.0027 | 0.0002 U | 0.00013 J | 2.7E-05 J | 3.7E-05 J | 0.00018 U |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 0.00044 | 3.5E-06 J | 0.00014 J | -- | 6.1E-05 | 7.8E-06 U | 9.9E-05 | 1.6E-05 J | 1.2E-05 J | 1.7E-05 J | 2.2E-05 J | 3.9E-06 U |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | 0.0045 UJ | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | 0.0045 UJ | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | 0.0045 UJ | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | 0.0045 UJ | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | 0.0045 UJ | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | 0.0028 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | 0.0028 U | -- | -- | -- | -- | -- | -- | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.59 J | 0.014 J | 0.25 J | -- | 0.033 J | 0.027 | 0.32 J | 0.0084 | 0.028 | 0.069 J | 0.089 J | 0.03 |
| PCB 107/124 | mg/Kg | | | 0.00017 | 3.2E-05 J | 0.0021 | -- | 0.0001 | 3.4E-05 J | 0.0002 | 4E-05 J | 0.00012 J | 1.5E-05 J | 1.9E-05 J | 9.2E-06 J |
| PCB 108/124 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.0056 | 0.00015 | 0.11 | -- | 0.003 | 0.00086 | 0.0069 | 0.0013 J+ | 0.0054 | 0.00035 | 0.00041 | 0.00028 J |
| PCB 12/13 | mg/Kg | | | 0.00016 | 7.9E-06 J | 0.00048 J | -- | 0.0001 | 0.00033 U | 0.00023 | 0.00021 U | 0.00012 U | 1.7E-05 J | 1.9E-05 J | 0.00017 U |
| PCB 128/166 | mg/Kg | | | 0.00098 | 3.4E-05 J | 0.019 J+ | -- | 0.00083 | 0.00026 J | 0.0017 | 0.00028 J | 0.00098 | 8.4E-05 | 0.0001 | 4.2E-05 J |
| PCB 129/138/163 | mg/Kg | | | 0.0068 | 0.00019 | 0.14 | -- | 0.0054 | 0.0013 | 0.012 | 0.0018 J+ | 0.007 | 0.00046 | 0.00056 | 0.0003 J |
| PCB 134/143 | mg/Kg | | | 0.00016 | 2.4E-05 J | 0.0044 J+ | -- | 0.00013 | 3.2E-05 J | 0.00035 | 3.8E-05 J | 0.00021 J | 1.5E-05 J | 2E-05 J | 9.6E-06 U |
| PCB 135/151 | mg/Kg | | | 0.0011 | 5.6E-05 J | 0.03 J+ | -- | 0.00092 | 0.00016 J | 0.0023 | 0.00025 J | 0.0013 | 8.1E-05 | 9.8E-05 | 5.8E-05 J |
| PCB 139/140 | mg/Kg | | | 7E-05 J | 3.7E-05 J | 0.0012 UJ+ | -- | 4.9E-05 J | 2.2E-05 U | 0.00011 | 1.7E-05 U | 4.6E-05 J | 5.4E-06 J | 6.4E-06 J | 8.1E-06 U |
| PCB 147/149 | mg/Kg | | | 0.0032 | 8.1E-05 | 0.083 J+ | -- | 0.0024 | 0.00051 J | 0.0061 | 0.00076 J | 0.0037 | 0.00021 | 0.00026 | 0.00016 J |
| PCB 153/168 | mg/Kg | | | 0.0067 | 0.00012 | 0.1 J+ | -- | 0.0039 | 0.0009 | 0.0083 | 0.0012 J+ | 0.0049 | 0.00036 | 0.00042 | 0.00023 J |
| PCB 156/157 | mg/Kg | | | 0.0012 J+ | 8.3E-05 | 0.016 J+ | -- | 0.00074 J+ | 0.0002 | 0.0014 J+ | 0.00024 | 0.00091 | 7.8E-05 | 9.4E-05 | 4.1E-05 J |
| PCB 171/173 | mg/Kg | | | 0.00064 | 0.00023 | 0.01 | -- | 0.00058 | 7.9E-05 J | 0.0012 | 0.00015 J | 0.00063 J | 5.3E-05 J | 7.1E-05 J | 3E-05 J |
| PCB 18/30 | mg/Kg | | | 5E-05 J | 3.8E-06 J | 0.00038 J | -- | 0.0001 | 2.6E-05 U | 0.0012 | 5.7E-05 J | 6.9E-05 J | 7.3E-06 J | 1.2E-05 J | 2.1E-05 U |
| PCB 180/193 | mg/Kg | | | 0.0078 | 0.00051 | 0.068 | -- | 0.0053 | 0.00087 | 0.0098 J | 0.0014 J+ | 0.0049 | 0.00042 | 0.00051 | 0.00019 J |
| PCB 198/199 | mg/Kg | | | 0.0013 | 0.00034 | 0.011 | -- | 0.001 | 0.0003 J | 0.0021 | 0.00034 J | 0.00085 | 0.00032 | 0.00038 | 0.00012 J |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-2 | DD-B-3 | DD-B-4 | DD-B-5 | DD-B-5 | DD-B-6 | DD-B-7 | DD-B-8 | DD-B-9 | FM-SS-1 | FM-SS-1 | FM-SS-2 |
| | | | Sample Name | DD-B-2_SS | DD-B-3_SS | DD-B-4_SS | DD-B-5 Waste Class | DD-B-5_SS | DD-B-6_SS | DD-B-7_SS | DD-B-8_SS | DD-B-9_SS | FM-SS-1_SS | FM-SS-1_SS DUP | FM-SS-2_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/14/2013 | 11/14/2013 | 12/2/2013 | 11/13/2013 | 11/13/2013 | 12/3/2013 | 12/6/2013 | 12/4/2013 | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 |
| | | | Parent Sample | | | | | | | | | | | FM-SS-1_SS_11/20/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 0.0027 | 1.2E-05 J | 0.0014 | -- | 0.00025 | 5.3E-05 J | 0.004 | 0.00014 J | 0.00025 J | 2.9E-05 J | 3.8E-05 J | 2.5E-05 J |
| PCB 21/33 | mg/Kg | | | 0.00017 | 3.4E-06 J | 0.00072 J | -- | 9.4E-05 | 1.4E-05 U | 0.0018 | 4.3E-05 J | 9.2E-05 J | 1.7E-05 J | 2.3E-05 J | 7.8E-06 U |
| PCB 26/29 | mg/Kg | | | 4.4E-05 J | 2.7E-06 J | 0.00019 J | -- | 3.6E-05 J | 1.5E-05 U | 0.00032 | 1.8E-05 J | 3.5E-05 J | 1.1E-05 J | 1.7E-05 J | 7.9E-06 U |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | 0.00015 | 5.6E-06 J | 0.0008 J | -- | 0.00017 | 3.6E-05 J | 0.0023 | 5.2E-05 J | 0.00016 J | 2E-05 J | 2.6E-05 J | 5.3E-06 U |
| PCB 43/73 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.00091 | 1.7E-05 J | 0.0033 | -- | 0.00039 | 7.8E-05 J | 0.0044 | 0.00015 J | 0.00054 J | 5.4E-05 J | 7.1E-05 J | 4.6E-05 J |
| PCB 45/51 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 0.00031 | 1E-05 J | 0.0027 | -- | 0.00018 | 5.2E-05 J | 0.0028 | 7.3E-05 J | 0.00027 J | 2.6E-05 J | 3.5E-05 J | 1.8E-05 J |
| PCB 50/53 | mg/Kg | | | 2.8E-05 J | 2.2E-06 J | 0.00022 J | -- | 3.7E-05 J | 1.1E-05 U | 0.00069 | 1.3E-05 J | 3.6E-05 J | 4E-06 J | 5.7E-06 J | 5E-06 U |
| PCB 59/62/75 | mg/Kg | | | 5.2E-05 J | 6.5E-06 J | 0.00016 J | -- | 3.3E-05 J | 9E-06 U | 0.00049 | 5.5E-06 U | 1.7E-05 J | 5.3E-06 J | 7.6E-06 J | 3.9E-06 U |
| PCB 61/70/74/76 | mg/Kg | | | 0.0032 | 4.9E-05 J | 0.01 | -- | 0.001 | 0.00026 J | 0.0084 | 0.00046 J | 0.00099 J | 0.00018 | 0.00021 | 0.00011 J |
| PCB 83/99 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | 0.00087 | 3.4E-05 J | 0.013 | -- | 0.00042 | 8.7E-05 J | 0.0012 | 0.00016 J | 0.00056 J | 5E-05 J | 6.1E-05 J | 3.5E-05 J |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.0027 | 0.00011 J | 0.043 | -- | 0.0011 | 0.0004 J | 0.0035 | 0.00055 J | 0.0025 | 0.00017 J | 0.00021 J | 0.00014 J |
| PCB 88/91 | mg/Kg | | | 0.00032 | 2.1E-05 J | 0.0076 J+ | -- | 0.00016 | 3.4E-05 J | 0.00071 | 6.5E-05 J | 0.00036 J | 1.8E-05 J | 2.2E-05 J | 2E-05 J |
| PCB 90/101/113 | mg/Kg | | | 0.004 | 0.0001 J | 0.086 | -- | 0.0018 | 0.00051 J | 0.0051 | 0.00069 J | 0.004 | 0.00024 | 0.0003 | 0.00021 J |
| PCB 93/100 | mg/Kg | | | 8E-05 UJ+ | 9E-06 UJ+ | 0.0011 UJ+ | -- | 3.7E-05 U | 2.2E-05 U | 7.8E-05 U | 2.1E-05 U | 6.8E-05 U | 6.4E-06 U | 8.7E-06 U | 7.9E-06 U |
| PCB 98/102 | mg/Kg | | | 7.5E-05 U | 8.3E-06 U | 0.001 UJ+ | -- | 3.5E-05 U | 2E-05 U | 0.00011 | 2E-05 U | 6.4E-05 U | 6E-06 U | 8.1E-06 U | 7.4E-06 U |
| Total Dichlorobiphenyl | mg/Kg | | | 0.0042 | 0.00014 J | 0.0073 J+ | -- | 0.00078 J+ | 0.0015 J | 0.0038 J+ | 0.00021 U | 0.00013 J | 0.0011 | 0.0013 J+ | 0.0019 J |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.019 | 0.0022 | 0.24 | -- | 0.017 | 0.0026 J | 0.032 | 0.0046 J+ | 0.016 J+ | 0.0013 J+ | 0.0016 J+ | 0.0006 J |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.026 | 0.0015 J+ | 0.52 | -- | 0.019 | 0.0044 J+ | 0.042 J+ | 0.0061 J+ | 0.026 J+ | 0.0018 J+ | 0.0022 J+ | 0.0011 J |
| Total Monochlorobiphenyl | mg/Kg | | | 0.00066 | 1.1E-05 J | 0.00063 J | -- | 0.0002 J | 7.8E-06 U | 0.00032 J | 7E-05 J | 3E-05 J | 3.9E-05 J | 5.2E-05 J | 3.9E-06 U |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.015 | 0.0031 | 0.01 | -- | 0.0028 | 0.001 J | 0.0058 | 0.0011 J | 0.0012 J | 0.00099 | 0.0012 | 0.00062 J |
| Total Octachlorobiphenyl | mg/Kg | | | 0.0096 | 0.0019 | 0.045 | -- | 0.0046 | 0.0011 J | 0.0084 | 0.0014 J | 0.0036 J | 0.00084 | 0.001 J+ | 0.00034 J |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.031 J+ | 0.0011 J+ | 0.5 | -- | 0.014 J+ | 0.0041 J | 0.037 J+ | 0.0056 J+ | 0.025 J+ | 0.0018 J+ | 0.0021 J+ | 0.0014 J |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.01 | 0.00031 J | 0.055 | -- | 0.0042 | 0.00087 J | 0.044 J+ | 0.0019 J | 0.0048 J+ | 0.00064 J+ | 0.00081 J+ | 0.00037 J |
| Total Trichlorobiphenyl | mg/Kg | | | 0.0047 J+ | 8.4E-05 J | 0.0067 J+ | -- | 0.0013 J+ | 0.00018 J | 0.019 J+ | 0.00058 J | 0.001 J | 0.00038 J | 0.00046 J+ | 0.00016 J |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.71 J+ | 0.025 J+ | **1.6 J+** | 0.0028 U | 0.096 J+ | 0.043 J+ | 0.52 J+ | 0.03 J+ | 0.1 J+ | 0.078 J+ | 0.1 J+ | 0.036 J+ |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 8.6E-06 J | 2.6E-06 J | 0.00019 | -- | 8.8E-06 J | 5.4E-08 J | 1.5E-05 J | 3.4E-05 J | 2E-05 J | 1.2E-06 J | 1.4E-06 J | 1.7E-05 J |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 8.6 J | 2.6 J | 190 | -- | 8.8 J | 0.054 J | 15 J | 34 J | 20 J | 1.2 J | 1.4 J | 17 J |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | -- | -- | 0.00019 | -- | -- | -- | -- | 3.4E-05 J | 2E-05 J | -- | -- | 1.7E-05 J |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | -- | -- | 190 | -- | -- | -- | -- | 34 J | 20 J | -- | -- | 17 J |
| Total TEQ-PCB Congener Only | mg/Kg | | | 8.6E-06 J | 2.6E-06 J | 4.1E-06 J | -- | 8.8E-06 J | 5.4E-08 J | 1.5E-05 J | 7.3E-08 J | 2.1E-07 J | 1.2E-06 J | 1.4E-06 J | 1.3E-08 J |
| Total TEQ-PCB Congener Only | pg/g | | | 8.6 J | 2.6 J | 4.1 J | -- | 8.8 J | 0.054 J | 15 J | 0.073 J | 0.21 J | 1.2 J | 1.4 J | 0.013 J |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | FrancyMtn | FrancyMtn | FrancyMtn | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | FM-SS-2 | FM-SS-3 | FM-SS-4 | HP1-1 | HP1-1 | HP1-1 | HP1-2 | HP1-2 | HP1-3 | HP1-3 | HP1-3 | HP1-4 | HP1-4 |
| | | | Sample Name | FM-SS-2_SS DUP | FM-SS-3_SS | FM-SS-4_SS | DUP | HP1-1-1 | HP1-1-2 | HP1-2-1 | HP1-2-2 | HP1-3-1 | HP1-3-2 | HP1-3-3 | DUP-2 | HP1-4-1 |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 2 | 0 | 1.1 | 2 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0 | 1 | 2.3 | 1 | 2.5 | 1 | 1.5 | 2.5 | 0 | 1 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/20/2013 | 11/20/2013 | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 |
| | | | Parent Sample | FM-SS-2_SS_11/20/13 | | | HP1-1-1_07/10/13 | | | | | | | | HP1-4-2_07/10/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.00033 J | 0.0022 | 0.0011 | 0.000403 | 0.000631 | 2.33E-05 J | 0.00135 | 2.96E-05 J | 0.177 | 0.76 | 0.0237 | 2.86E-05 J | 0.00328 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 7.1E-05 J | 0.00043 J | 0.00031 | 0.000125 | 0.000191 | 7.1E-06 J | 0.00162 | 2.12E-05 J | 0.019 | 0.0725 | 0.00235 | 1.7E-05 J | 0.00225 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.00037 J | 0.00081 | 0.00048 | 0.000529 | 0.000806 | 2.72E-05 J | 0.00166 | 3.52E-05 J | 0.293 | 1.29 | 0.037 | 3.6E-05 J | 0.00327 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 9.9E-06 U | 0.00011 J | 4.8E-05 | 4.52E-05 J | 7.67E-05 J+ | 5.24E-05 U | 0.000578 | 7.25E-06 J | 0.00877 | 0.0347 | 0.00124 | 5.34E-05 U | 0.000787 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 3.7E-05 J | 0.00015 J | 0.00013 | 0.00012 | 0.000186 | 5.05E-06 J | 0.000816 | 1.16E-05 J | 0.0466 | 0.183 | 0.00613 | 1.13E-05 J | 0.00164 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.00012 J | 0.00033 J | 0.00031 | 0.000736 | 0.00086 | 2.41E-05 J | 0.0126 | 0.000135 | 0.00471 | 0.0154 | 0.000763 | 0.000106 | 0.0178 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 4.3E-05 J | 4.9E-05 J | 4.9E-05 | 7.02E-05 J | 8.32E-05 J | 2.83E-06 J | 0.000187 | 4.07E-06 J | 0.0384 | 0.145 | 0.00451 | 3.37E-06 J | 0.000396 |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.00033 J | 0.0012 | 0.00064 | 0.000292 | 0.00039 | 1.46E-05 J | 0.000899 | 2E-05 J | 0.142 | 0.578 | 0.0177 | 2.1E-05 J | 0.0018 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 2E-05 J | 9.4E-05 J | 8.2E-05 | 9.9E-05 | 0.000158 | 4.76E-06 J | 0.00155 | 1.79E-05 J | 0.0177 | 0.0724 | 0.00244 | 1.38E-05 J | 0.00226 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 1.6E-05 J | 0.00017 J | 6.8E-05 | 2.34E-05 J | 3.6E-05 J | 0.000105 U | 0.000183 | 0.000107 U | 0.0125 J+ | 0.0578 | 0.00171 J+ | 3.22E-06 J | 0.000349 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 4.1E-05 J | 9.3E-05 J | 6.7E-05 | 7.45E-05 J+ | 0.000107 | 3.8E-06 J | 0.000313 | 5.59E-06 J | 0.0396 | 0.157 | 0.00564 | 5.58E-06 J | 0.000624 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.00012 J | 0.00045 J | 0.00031 | 0.000361 | 0.000366 | 1.2E-05 J | 0.00588 | 5.98E-05 | 0.00832 | 0.0313 | 0.000936 | 5.07E-05 J | 0.00893 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 1.2E-05 U | 3.2E-05 J | 2.9E-05 J | 6.51E-05 J+ | 9.77E-05 | 5.24E-05 U | 0.00081 | 6E-06 J | 0.0181 | 0.0717 | 0.00191 | 5.06E-06 J | 0.00138 |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 4.6E-05 J | 0.00018 J | 0.00014 | 0.000222 | 0.000258 | 8.76E-06 J | 0.00439 | 4.12E-05 J | 0.00795 | 0.0291 | 0.00089 | 3.41E-05 J | 0.00608 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 1.9E-05 J | 9.9E-05 J | 9.5E-05 | 0.000385 | 0.000478 | 9.91E-06 J | 0.00751 | 4.96E-05 J | 0.00627 | 0.0438 J+ | 0.00207 | 5.78E-05 | 0.0115 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 1.4E-05 J | 4.5E-05 J | 3.3E-05 J | 4.84E-05 J | 6.24E-05 | 1.59E-06 J | 0.000745 | 7.77E-06 J | 0.0106 | 0.0433 | 0.00131 | 5.85E-06 J | 0.0013 |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 1.4E-05 U | 3.3E-05 J | 1.9E-05 J | 4.14E-05 J | 5.32E-05 | 5.24E-05 U | 0.00109 | 1.2E-05 J | 0.00293 | 0.0119 | 0.000327 | 7.93E-06 J | 0.00186 |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.00012 J | 0.00036 J | 0.00037 | 0.00143 | 0.00177 | 5.83E-05 J+ | 0.0324 | 0.000309 | 0.00318 | 0.00927 | 0.000507 | 0.000293 | 0.0656 |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 2.7E-05 J | 0.00013 J | 0.00015 | 0.000517 | 0.000678 | 1.91E-05 J | 0.00946 | 0.0002 U | 0.00601 | 0.0162 J+ | 0.000695 | 0.000114 J+ | 0.0208 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 3.9E-05 J | 0.00026 J | 0.00015 | 3.28E-05 J | 4.3E-05 J | 0.000105 U | 0.000194 | 2.53E-06 J | 0.012 | 0.0486 | 0.00166 | 2.87E-06 J | 0.000538 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 2.3E-05 J | 0.0001 J | 6.6E-05 | 5.92E-05 | 7.05E-05 | 5.24E-05 U | 0.000818 | 9.51E-06 J | 0.0113 | 0.0429 | 0.00139 J+ | 8.36E-06 J | 0.0014 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 1.3E-05 U | 4.9E-05 J | 2.2E-05 J | 4.89E-05 J | 6.35E-05 | 5.24E-05 U | 0.000857 | 5.34E-05 U | 0.00712 | 0.0284 | 0.00091 | 8.03E-06 J | 0.00159 |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 3.2E-05 J | 0.00014 J | 9.1E-05 | 9E-05 | 0.000117 | 3.49E-06 J | 0.00181 | 1.79E-05 J | 0.00645 | 0.0262 | 0.00092 | 1.59E-05 J | 0.003 |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | 2.2E-05 U | 5.5E-05 U | 3.4E-05 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 2.5E-05 J | 0.00011 J | 9.6E-05 | 0.000372 | 0.000441 | 8.83E-06 J | 0.00739 | 7.6E-05 J+ | 0.00225 | 0.00787 | 0.000317 | 0.000104 J+ | 0.017 |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 4.9E-05 J | 0.00019 J | 0.00013 | 0.00065 | 0.000856 | 2.62E-05 J+ | 0.0126 | 0.000197 J+ | 0.00194 | 0.00356 | 0.00028 J+ | 0.000212 J+ | 0.0343 |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 7.2E-05 J | 0.00055 J | 0.00031 | 7.63E-05 | 9.96E-05 | 3.25E-06 J | 0.000626 | 8.91E-06 J | 0.0209 | 0.0809 | 0.00268 | 1.04E-05 J | 0.00152 |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 9E-06 J | 4.1E-05 J | 3.1E-05 J | 5.84E-05 J+ | 7.99E-05 | 2.22E-06 J | 0.000168 | 2.37E-06 J | 0.0318 | 0.133 | 0.00445 | 3.26E-06 J | 0.000298 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 8.1E-06 U | 3.4E-05 J | 1E-05 J | 3.61E-05 J | 5.2E-05 U | 5.24E-05 U | 6.03E-05 U | 5.34E-05 U | 0.00652 | 0.0278 | 0.000939 | 5.34E-05 U | 0.000711 |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 1.1E-05 U | 1.6E-05 J | 1.3E-05 J | 2.42E-05 J | 3.22E-05 J | 5.24E-05 U | 0.000239 | 5.34E-05 U | 0.0104 | 0.0408 | 0.00119 | 5.34E-05 U | 0.000422 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 5.5E-05 J | 0.0002 J | 0.00019 | 0.000292 | 0.000375 | 1.16E-05 J | 0.0049 | 5.33E-05 J | 0.0248 | 0.0994 | 0.00319 | 4.23E-05 J | 0.00816 |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 1.5E-05 J | 6.5E-05 J | 7.4E-05 | 0.000288 | 0.000442 | 2.47E-05 J | 0.00727 | 4.64E-05 J | 0.0027 | 0.0205 J+ | 0.000959 J+ | 5.37E-05 | 0.0127 |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 8.8E-06 U | 2.3E-05 J | 2.1E-05 J | 2.97E-05 J | 3.68E-05 J | 5.24E-05 U | 0.000135 | 5.34E-05 U | 0.0163 | 0.0714 | 0.00231 | 5.34E-05 U | 0.000196 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 3E-05 J | 0.00054 J | 0.00014 J+ | 0.000103 U | 0.000104 U | 0.000105 U | 0.000102 U | 0.000107 U | 0.000985 U | 0.00175 U | 0.000105 U | 0.000107 U | 0.000138 U |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.00014 J | 0.0007 J | 0.00048 | 0.000263 | 0.000335 | 9.65E-06 J | 0.00459 | 4.3E-05 J | 0.0122 | 0.0493 | 0.00149 | 3.76E-05 J | 0.00821 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 7.4E-05 J | 0.00048 J | 0.00029 | 0.000701 | 0.000783 | 2.29E-05 J | 0.0124 | 0.000111 J+ | 0.003 | 0.0194 J+ | 0.00092 | 0.000119 J+ | 0.0213 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 4.4E-05 J | 0.00022 J | 0.00018 | 0.000451 | 0.000543 | 5.24E-05 U | 0.00881 | 7.74E-05 J+ | 0.0115 | 0.0416 | 0.00191 | 7.69E-05 J+ | 0.0159 |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 8.3E-06 U | 9.3E-06 J | 4.9E-06 J | 4.59E-06 J | 5.54E-06 J | 5.24E-05 U | 1.45E-05 J | 5.34E-05 U | 0.00308 | 0.0118 | 0.000341 | 5.34E-05 U | 2.88E-05 J |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 7.7E-06 U | 1.3E-05 J | 1.2E-05 J | 2.68E-05 J | 3.25E-05 J | 5.24E-05 U | 5.12E-05 U | 2.75E-06 J | 0.0109 | 0.0496 | 0.00147 | 5.34E-05 U | 0.000317 |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 1.3E-05 U | 9.1E-05 J | 2.8E-05 J | 5.15E-05 UJ | 0.000332 J | 5.24E-05 U | 0.00385 | 6.02E-05 | 0.00551 | 0.0211 | 0.000657 | 5.9E-05 | 0.000131 U |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 1.2E-05 J | 0.0001 J | 5.8E-05 | 8.64E-05 | 9E-05 J+ | 5.5E-06 J | 0.00251 | 2.54E-05 J | 0.00132 | 0.00506 | 0.000253 | 9.94E-06 J | 0.00372 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 1.1E-05 U | 1.7E-05 U | 9.9E-06 U | 5.15E-05 U | 7.72E-06 J | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00838 | 0.0303 | 0.0009 | 5.34E-05 U | 0.000237 U |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 8.1E-06 U | 1.2E-05 U | 7.1E-06 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00218 | 0.0081 | 0.00024 | 5.34E-05 U | 0.000161 U |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 7.5E-06 U | 1.1E-05 U | 6.7E-06 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 1.75E-05 J | 0.0035 | 0.0135 | 0.000469 | 5.34E-05 U | 0.000157 U |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 1.7E-05 U | 4.4E-05 U | 2.7E-05 U | 5.15E-05 U | 1.64E-05 J | 5.24E-05 U | 0.000313 | 5.34E-05 U | 0.00977 | 0.0332 | 0.00114 | 5.34E-05 U | 5.03E-05 U |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | 1.2E-05 U | 2.4E-05 J | 1.2E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 1E-05 U | 4.1E-05 J | 3.1E-05 J | 2.13E-05 J | 2.82E-05 J | 5.24E-05 U | 0.000619 | 8.73E-06 J | 0.00127 J+ | 0.00593 | 0.000185 | 1.1E-05 J | 0.00117 |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 5.2E-05 J | 0.00021 J | 0.0002 | 0.000502 J | 0.000843 J | 1.53E-05 J | 0.0104 | 0.000183 U | 0.00377 | 0.0164 | 0.000518 | 0.00016 J+ | 0.0262 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 7.7E-06 U | 1.2E-05 U | 6.8E-06 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.0021 | 0.00842 | 0.000297 | 5.34E-05 U | 0.000167 U |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 1.6E-05 U | 4.1E-05 U | 2.5E-05 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.000614 | 0.00153 | 4.71E-05 J | 5.34E-05 U | 5.03E-05 U |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.00017 J | 0.0007 J | 0.00048 | 0.00222 | 0.00268 | 7.4E-05 J | 0.0379 | 0.000642 J+ | 0.00528 J+ | 0.0114 J+ | 0.000845 J+ | 0.00115 J+ | 0.122 |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | 1E-05 U | 2E-05 J | 1E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 5E-06 U | 3.9E-06 J | 4E-06 J | 5.54E-06 J | 6.48E-06 J | 5.24E-05 U | 7.64E-05 | 5.34E-05 U | 0.00111 | 0.00437 | 0.000136 | 5.34E-05 U | 0.000352 |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | 1E-05 U | 2.7E-05 J | 1.1E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | FrancyMtn | FrancyMtn | FrancyMtn | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | FM-SS-2 | FM-SS-3 | FM-SS-4 | HP1-1 | HP1-1 | HP1-1 | HP1-2 | HP1-2 | HP1-3 | HP1-3 | HP1-3 | HP1-4 | HP1-4 |
| | | | Sample Name | FM-SS-2_SS DUP | FM-SS-3_SS | FM-SS-4_SS | DUP | HP1-1-1 | HP1-1-2 | HP1-2-1 | HP1-2-2 | HP1-3-1 | HP1-3-2 | HP1-3-3 | DUP-2 | HP1-4-1 |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 2 | 0 | 1.1 | 2 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0 | 1 | 2.3 | 1 | 2.5 | 1 | 1.5 | 2.5 | 0 | 1 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/20/2013 | 11/20/2013 | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 |
| | | | Parent Sample | FM-SS-2_SS_11/20/13 | | | HP1-1-1_07/10/13 | | | | | | | | HP1-4-2_07/10/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 1.1E-05 U | 7.2E-06 U | 5.2E-06 J | 3.5E-06 J | 2.08E-05 U | 2.1E-05 U | 4.49E-05 | 2.14E-05 U | 0.0114 | 0.045 | 0.000275 | 2.14E-05 U | 0.000114 J+ |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 5.4E-05 U | 3.6E-05 J | 2.4E-05 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 4.5E-05 | 2.14E-05 U | 0.00118 | 0.00482 | 0.000177 | 2.14E-05 U | 3.17E-05 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 9.9E-06 U | 1.6E-05 J | 1.3E-05 J | 0.000103 U | 0.000104 U | 0.000105 U | 0.000102 U | 0.000107 U | 0.00291 | 0.0134 | 0.000429 | 0.000107 U | 0.000196 U |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | 0.00013 J | 0.00045 J | 0.00059 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 7.1E-06 U | 1.1E-05 U | 9E-06 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00416 | 0.0174 | 0.000524 | 5.34E-05 U | 0.000176 U |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 1.4E-05 U | 3.6E-05 U | 2.2E-05 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00264 | 0.0103 | 0.000301 | 5.34E-05 U | 5.03E-05 U |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 9.2E-06 U | 7.9E-05 J | 4E-05 J | 0.000108 J+ | 5.2E-05 U | 5.79E-06 J | 5.12E-05 U | 4.45E-05 J | 0.00314 J+ | 0.0169 | 0.00046 | 9.13E-05 | 0.00513 |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 4.1E-06 U | 3.1E-06 U | 2.4E-06 J | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00124 | 0.00509 | 0.00015 | 5.34E-05 U | 5.03E-05 U |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | 8.4E-06 U | 5.7E-06 U | 2.2E-06 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 3.8E-05 U | 2.5E-05 J | 2E-05 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 4.31E-05 | 2.14E-05 U | 0.00573 | 0.0212 | 0.000577 | 2.14E-05 U | 3.4E-05 |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.00013 J | 0.00073 J | 0.00075 | 0.000923 | 0.00108 | 3.78E-05 J | 0.0152 | 0.000327 J+ | 0.00478 J+ | 0.0173 | 0.000748 J+ | 0.000978 | 0.0741 |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 1.1E-05 U | 7.8E-06 U | 1.3E-06 J | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.000322 | 0.00136 | 4.09E-05 J | 5.34E-05 U | 5.03E-05 U |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 3.7E-05 U | 2.2E-05 U | 4.5E-06 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.000987 | 0.00466 | 0.000132 | 2.14E-05 U | 2.01E-05 U |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 0.00017 U | 0.00011 U | 2.8E-05 J | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00511 | 0.0278 | 0.000815 | 5.34E-05 U | 5.03E-05 U |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 9E-06 U | 0.00014 J | 7E-05 | 6.04E-05 | 7.37E-05 | 5.24E-05 U | 0.000202 | 5.31E-06 J | 0.0345 | 0.138 | 0.00437 | 5.34E-05 U | 0.000369 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 1.4E-05 U | 5.5E-05 J | 3.2E-05 | 4.62E-05 J | 6.29E-05 | 5.24E-05 U | 0.000569 | 6.3E-06 J | 0.0161 | 0.0648 | 0.0019 | 5.34E-05 U | 0.000848 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 3E-05 J | 0.00025 J | 0.00015 | 0.000112 | 0.000155 J+ | 5.62E-06 J | 0.0022 | 2.14E-05 J | 0.0125 | 0.0342 | 0.00126 | 1.59E-05 J | 0.00295 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 7.2E-06 U | 2.6E-05 J | 2.8E-05 J | 3.34E-05 J | 5.2E-05 U | 5.24E-05 U | 0.000443 | 4.44E-06 J | 0.00802 | 0.0312 | 0.000951 | 5.34E-05 U | 0.000681 |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 3.3E-05 J | 0.00017 J | 0.00016 | 0.000569 | 0.00069 | 2.08E-05 J | 0.0126 | 9.5E-05 J+ | 0.00386 | 0.0205 J+ | 0.00109 | 0.000104 | 0.0197 |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.00018 | 0.0006 | 0.00066 J+ | 0.00279 | 0.00352 J- | 0.000114 J+ | 0.0487 | 0.000519 | 0.00461 | 0.0182 | 0.00083 | 0.000605 | 0.0895 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 7.4E-06 U | 1.2E-05 J | 1E-05 J | 4.63E-05 J | 5.2E-05 U | 5.24E-05 U | 5.25E-05 U | 5.34E-05 U | 0.00493 | 0.0214 | 0.000928 | 5.34E-05 U | 0.000122 U |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 8.6E-06 U | 2.5E-05 U | 1E-05 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 0.000108 U | 5.34E-05 U | 0.00681 | 0.0236 | 0.000814 | 5.34E-05 U | 0.000329 U |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 8.3E-06 U | 2.4E-05 U | 9.6E-06 U | 2.85E-05 J | 3.97E-05 J | 5.24E-05 U | 0.000542 | 5.34E-05 U | 0.00749 | 0.0271 | 0.000871 | 5.34E-05 U | 0.000771 J+ |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 9.9E-06 U | 0.00016 J | 5.6E-05 | 0.000206 U | 0.000208 U | 0.00021 U | 0.000205 U | 0.000214 U | 0.00283 | 0.0178 J+ | 0.000831 | 0.000214 U | 0.000201 U |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 8.6E-06 U | 1.3E-05 U | 7.6E-06 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00375 | 0.0163 J+ | 0.000736 | 5.34E-05 U | 8.28E-05 U |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 3.2E-05 J | 9.9E-05 J | 9.9E-05 | 0.000901 | 0.0011 | 6.37E-06 J | 0.00334 | 3.55E-05 J | 0.00851 | 0.0436 J+ | 0.00175 | 0.000145 | 0.0207 |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 1.4E-05 U | 9E-05 J | 4E-05 J | 0.000476 J | 0.000944 J | 1.84E-05 J | 0.00898 | 0.000105 | 0.0197 | 0.0815 | 0.00255 | 8.87E-05 J+ | 0.0133 |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 1.4E-05 U | 3.6E-05 U | 2.2E-05 U | 5.15E-05 U | 9.56E-05 | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00155 | 0.00919 | 0.000298 | 1.51E-05 J | 0.00228 |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | 1.7E-05 J | 7.6E-05 J | 8.5E-05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 1.2E-05 U | 4.1E-05 U | 1.7E-05 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.0018 | 0.00464 | 6.94E-05 | 5.34E-05 U | 5.03E-05 U |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 2.6E-05 J | 0.00011 J | 9.8E-05 | 0.000142 | 0.000217 | 5.71E-06 J | 0.00269 | 3.89E-05 J | 0.00878 | 0.0273 | 0.000928 | 3.47E-05 J | 0.00682 |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 1E-05 U | 1.5E-05 U | 8.8E-06 U | 6.73E-05 J+ | 5.2E-05 U | 5.24E-05 U | 0.000339 J+ | 5.34E-05 U | 0.00456 | 0.0178 | 0.000804 | 6.23E-06 J | 0.000895 |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 1.1E-05 U | 2.9E-05 U | 1.8E-05 U | 0.000115 U | 5.2E-05 U | 5.24E-05 U | 9.33E-05 U | 0.000118 U | 0.00403 | 0.0199 | 0.000486 | 5.34E-05 U | 5.03E-05 U |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 1.1E-05 U | 2.8E-05 U | 1.7E-05 U | 0.000132 U | 5.2E-05 U | 5.24E-05 U | 0.000102 U | 0.000128 U | 0.0025 | 0.0104 | 0.000289 | 5.34E-05 U | 5.03E-05 U |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 1.2E-05 U | 4.1E-05 U | 1.6E-05 U | 5.15E-05 U | 1.96E-05 J | 5.24E-05 U | 5.12E-05 U | 1.97E-06 J | 0.0032 | 0.00891 | 0.000284 J+ | 8.82E-06 J | 0.000424 |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 1.2E-05 U | 4.1E-05 U | 1.7E-05 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00178 | 0.00321 | 0.000171 J+ | 5.34E-05 U | 5.03E-05 U |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 2.1E-05 J | 7.1E-05 J | 7.5E-05 J+ | 0.000271 | 0.000368 | 1.04E-05 J | 0.00529 | 4.95E-05 J | 0.0145 | 0.0509 | 0.00159 | 5.27E-05 J | 0.00807 |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 1.5E-05 U | 9.5E-05 J+ | 5.4E-05 J+ | 9.89E-05 | 0.000147 | 4.01E-06 J | 0.00206 | 5.34E-05 U | 0.00646 J+ | 0.0274 | 0.000835 | 2.4E-05 J | 0.00385 |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.00038 J+ | 0.0012 | 0.0015 J+ | 0.00591 | 0.00705 | 0.000212 J+ | 0.121 | 0.00115 | 0.0107 | 0.036 | 0.00173 | 0.00134 | 0.362 |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 1.4E-05 U | 3.4E-05 U | 2E-05 UJ+ | 0.000291 | 0.000341 | 1.38E-05 J | 0.00386 | 5.29E-05 J | 0.00304 | 0.0138 | 0.000398 J+ | 4.48E-05 J | 0.00898 |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | 0.00037 J | 0.0012 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 1.7E-05 J | 5.5E-05 J | 4.7E-05 | 5.28E-05 U | 7.94E-05 | 2.23E-06 J | 0.00109 | 1.42E-05 J | 0.00191 | 0.00547 | 0.000195 | 5.34E-05 U | 0.00223 |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 6.8E-05 J | 0.00026 J | 0.00016 | 0.000379 | 0.00049 | 1.46E-05 J | 0.00695 | 5.34E-05 U | 0.0148 | 0.0512 | 0.000933 | 0.000101 J+ | 0.0162 |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 1.2E-05 U | 3E-05 U | 1.9E-05 U | 0.000119 U | 5.2E-05 U | 5.24E-05 U | 9.68E-05 U | 0.000123 U | 0.00626 J+ | 0.0282 | 0.000635 | 5.34E-05 U | 5.03E-05 U |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 1.1E-05 U | 2.8E-05 U | 1.8E-05 U | 0.000111 U | 5.2E-05 U | 5.24E-05 U | 9.17E-05 U | 0.000116 U | 0.00204 | 0.00974 | 0.000245 | 5.34E-05 U | 5.03E-05 U |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 1.1E-05 U | 3.8E-05 U | 1.5E-05 U | 5.15E-05 U | 5.2E-05 U | 5.52E-06 J | 5.12E-05 U | 5.34E-05 U | 0.00338 | 0.0123 | 0.000321 J+ | 5.34E-05 U | 5.03E-05 U |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 1.1E-05 U | 3.8E-05 U | 1.5E-05 U | 4.29E-06 J | 5.88E-06 J | 5.24E-05 U | 5.55E-05 | 5.34E-05 U | 0.00224 | 0.00228 | 0.000286 J+ | 5.34E-05 U | 5.03E-05 U |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 1.1E-05 U | 3.6E-05 U | 1.5E-05 U | 3.08E-06 J | 2.76E-06 J | 5.24E-05 U | 5.12E-05 U | 2.63E-06 J | 0.00265 | 0.00976 | 0.000298 | 5.34E-05 U | 5.03E-05 U |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 1.8E-05 J | 9.7E-05 J | 7.9E-05 | 9.84E-05 | 0.000122 | 4.01E-06 J | 0.00172 | 4.17E-05 J | 0.000939 | 0.00318 | 0.000117 | 5.85E-05 J+ | 0.00612 |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 1.5E-05 J | 4.3E-05 J | 3.2E-05 J | 9.36E-06 J | 2.08E-05 U | 2.1E-05 U | 0.000184 | 4.33E-06 J | 0.00317 | 0.0129 | 0.000389 | 2.14E-05 U | 5.09E-05 |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 9.8E-06 U | 1.7E-05 U | 8.8E-06 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.93E-05 J+ | 2.14E-05 U | 0.00351 J+ | 0.0134 | 0.000438 J+ | 2.14E-05 U | 8.95E-05 |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 1.1E-05 U | 3.9E-05 U | 1.6E-05 U | 2.61E-06 J | 2.9E-06 J | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00418 | 0.0166 | 0.000487 | 5.34E-05 U | 5.03E-05 U |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | 7.1E-06 U | 4.8E-06 U | 1.5E-06 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 9.5E-06 U | 1.6E-05 U | 6.1E-06 U | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.00456 | 0.0141 | 0.000491 | 2.14E-05 U | 2.01E-05 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | FrancyMtn | FrancyMtn | FrancyMtn | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | FM-SS-2 | FM-SS-3 | FM-SS-4 | HP1-1 | HP1-1 | HP1-1 | HP1-2 | HP1-2 | HP1-3 | HP1-3 | HP1-3 | HP1-4 | HP1-4 |
| | | | Sample Name | FM-SS-2_SS DUP | FM-SS-3_SS | FM-SS-4_SS | DUP | HP1-1-1 | HP1-1-2 | HP1-2-1 | HP1-2-2 | HP1-3-1 | HP1-3-2 | HP1-3-3 | DUP-2 | HP1-4-1 |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 2 | 0 | 1.1 | 2 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0 | 1 | 2.3 | 1 | 2.5 | 1 | 1.5 | 2.5 | 0 | 1 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/20/2013 | 11/20/2013 | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 |
| | | | Parent Sample | FM-SS-2_SS_11/20/13 | | | HP1-1-1_07/10/13 | | | | | | | | HP1-4-2_07/10/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 9.9E-06 U | 1.7E-05 U | 6.4E-06 U | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.00506 J+ | 0.0213 | 0.000575 | 2.14E-05 U | 2.01E-05 U |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 2.8E-05 U | 1.3E-05 U | 3.4E-06 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 4.54E-06 J | 2.14E-05 U | 0.00268 | 0.0105 | 0.000325 | 2.14E-05 U | 5.37E-06 J |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 2.8E-05 U | 1.3E-05 U | 4.4E-06 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 9.84E-06 J | 2.14E-05 U | 0.0019 | 0.0118 | 0.000359 | 2.14E-05 U | 8.08E-06 J |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 0.00023 U | 0.00012 U | 1.8E-05 U | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.54E-05 | 2.14E-05 U | 0.00629 | 0.0466 | 0.00104 | 2.14E-05 U | 1.23E-05 J |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 0.00023 U | 0.00012 U | 3.3E-05 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 1.94E-05 J | 2.14E-05 U | 0.00671 | 0.0306 | 0.00118 | 2.14E-05 U | 2.78E-05 |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 3.6E-05 J | 0.00015 J | 9.7E-05 | 3.59E-05 J | 2.18E-05 J | 5.24E-05 U | 0.000625 | 1.15E-05 J | 0.0103 | 0.0398 | 0.000846 | 7.98E-06 J | 0.000667 |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 2.2E-05 U | 1.6E-05 J | 1.1E-05 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 5.79E-05 | 2.14E-05 U | 0.00213 | 0.00887 | 0.000264 | 2.14E-05 U | 3.1E-05 |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 0.00021 U | 0.00011 U | 1.7E-05 U | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.00543 | 0.0229 | 0.000703 | 2.14E-05 U | 1.04E-05 J |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 0.00022 U | 0.00012 U | 5.5E-05 | 1.45E-05 J | 1.68E-05 J | 5.24E-05 U | 5.5E-05 | 5.34E-05 U | 0.0136 | 0.0437 | 0.00215 | 5.34E-05 U | 5.52E-05 |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 0.00024 U | 0.00013 U | 2E-05 U | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 6.85E-06 J | 2.14E-05 U | 0.00716 | 0.0368 | 0.00103 | 2.14E-05 U | 1.47E-05 J |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 0.00012 U | 6.7E-05 U | 2.7E-06 U | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.000964 | 0.00589 | 0.000128 | 5.34E-05 U | 5.03E-05 U |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 3.6E-06 U | 6.6E-05 J | 4.3E-05 J+ | 6.88E-06 J | 9.25E-06 J | 2.1E-05 U | 2.21E-05 | 2.14E-05 U | 0.0097 | 0.0684 | 0.00173 | 2.14E-05 U | 4.01E-05 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 1.3E-05 U | 3.4E-05 U | 1.1E-05 J+ | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 0.000108 U | 5.34E-05 U | 0.00191 U | 0.0106 U | 0.000273 J+ | 5.34E-05 U | 0.000331 U |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 2.2E-05 U | 4.9E-05 U | 3.1E-05 J+ | 5.15E-05 U | 5.2E-05 U | 5.24E-05 U | 0.000375 J+ | 5.34E-05 U | 0.00507 | 0.0237 | 0.000693 | 1.74E-05 J | 0.000423 J+ |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 3.6E-05 J | 9.3E-05 | 7.2E-05 J+ | 8.98E-05 | 0.000135 | 5.12E-06 J | 0.00155 | 1.9E-05 J | 0.00753 | 0.0229 | 0.000809 | 5.34E-05 U | 0.00137 |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 1.4E-05 U | 3.5E-05 U | 2.2E-05 U | 5.15E-05 U | 1.02E-05 J | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00226 J+ | 0.0115 | 0.000427 | 5.34E-05 U | 0.000512 |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 1.3E-05 U | 4.6E-05 U | 1.9E-05 U | 5.77E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00462 J+ | 0.0101 | 0.000423 | 5.34E-05 U | 5.03E-05 U |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 1.2E-05 U | 8.4E-05 J | 4.5E-05 J+ | 5.15E-05 U | 5.51E-05 | 2.03E-06 J | 0.000739 | 7.97E-06 J | 0.00491 | 0.0132 | 0.000486 | 5.34E-05 U | 0.00283 |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 0.00017 J | 0.00011 J | 0.00029 | 7.95E-06 J | 2.08E-05 U | 2.1E-05 U | 6.46E-05 J+ | 2.14E-05 U | 0.00659 | 0.0252 | 0.000726 | 2.14E-05 U | 2.64E-05 |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 1.1E-05 U | 3.8E-05 U | 1.5E-05 U | 5.18E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.0028 | 0.00614 | 0.000228 | 5.34E-05 U | 5.03E-05 U |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 1E-05 U | 1.7E-05 U | 2.1E-05 J | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.00568 | 0.0244 | 0.000686 | 2.14E-05 U | 2.01E-05 U |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 0.0036 J | 0.00063 J | 0.0051 J | 3.26E-05 J | 3.26E-05 J+ | 2.22E-05 J+ | 4.45E-05 J+ | 1.77E-05 J+ | 0.00777 | 0.0322 | 0.00109 | 3.47E-05 J | 5.85E-05 J |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 1.8E-05 U | 5.4E-05 U | 1.9E-05 UJ+ | 5.82E-05 U | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 1.25E-05 J | 0.0055 | 0.0147 | 0.000512 | 5.34E-05 U | 5.03E-05 U |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 2.4E-05 J | 7.8E-05 J | 6E-05 | 4.66E-05 | 4.52E-05 | 2.1E-05 U | 0.000688 | 9.74E-06 J | 0.00685 | 0.0237 | 0.000789 | 2.14E-05 U | 0.000271 |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 1.1E-05 U | 1.8E-05 U | 1.1E-05 J | 2.91E-06 J | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.00815 | 0.0241 | 0.000624 | 2.14E-05 U | 2.01E-05 U |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 1E-05 U | 1.7E-05 U | 6.5E-06 U | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.0115 | 0.0231 | 0.000907 | 2.14E-05 U | 0.000211 |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 0.0002 U | 0.0001 U | 1.6E-05 U | 2.06E-05 U | 2.08E-05 U | 2.1E-05 U | 2.05E-05 U | 2.14E-05 U | 0.00719 | 0.0208 | 0.000669 | 2.14E-05 U | 1.03E-05 J |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 3.8E-06 U | 6.1E-05 J | 5.1E-05 | 1.61E-05 J | 2.18E-05 J+ | 2.1E-05 U | 3.73E-05 | 2.14E-05 U | 0.00994 | 0.028 | 0.00117 | 2.14E-05 U | 9.16E-05 |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.00028 U | 0.00014 J | 0.0001 | 4.86E-05 J | 6.74E-05 | 5.24E-05 U | 0.000159 | 5.34E-05 U | 0.0257 | 0.118 | 0.00343 | 5.34E-05 U | 0.000186 |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 8.6E-06 J | 7.6E-05 J | 6.2E-05 | 1.36E-05 J | 2.16E-05 J | 5.24E-05 U | 2.6E-05 J | 5.34E-05 U | 0.0147 | 0.0489 | 0.00135 | 5.34E-05 U | 5.49E-05 |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.042 | 0.46 J | 0.24 J | 0.00703 | 0.0113 | 0.000348 J+ | 0.0165 | 0.000441 J+ | 2.28 | 12.4 | 0.279 | 0.000367 J+ | 0.0268 |
| PCB 107/124 | mg/Kg | | | 1.7E-05 J | 8.2E-05 J | 5.8E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 108/124 | mg/kg | | | -- | -- | -- | 0.000172 | 0.000341 | 5.85E-06 J | 0.0031 | 3.52E-05 J | 0.00423 | 0.0193 J+ | 0.000675 | 4.48E-05 J | 0.00732 |
| PCB 110/115 | mg/Kg | | | 0.00037 J | 0.0012 J | 0.0015 | 0.00445 | 0.00543 | 0.000159 J+ | 0.0866 | 0.00111 | 0.0305 | 0.101 | 0.00439 | 0.00102 J+ | 0.187 |
| PCB 12/13 | mg/Kg | | | 0.00024 U | 0.00013 U | 5.8E-05 J | 2.01E-05 J | 1.29E-05 J | 5.24E-05 U | 4E-05 J | 5.34E-05 U | 0.0205 | 0.0668 | 0.00229 | 5.34E-05 U | 8.35E-05 |
| PCB 128/166 | mg/Kg | | | 7.2E-05 J | 0.00029 J | 0.00026 | 0.00118 | 0.00147 | 4.3E-05 J | 0.0215 | 0.000216 | 0.00415 | 0.0146 J+ | 0.000666 | 0.000193 | 0.0376 |
| PCB 129/138/163 | mg/Kg | | | 0.00044 J | 0.0015 J | 0.0015 | 0.00498 | 0.0062 | 0.000187 J | 0.111 | 0.00099 | 0.00945 | 0.0389 J+ | 0.00239 | 0.000901 | 0.191 |
| PCB 134/143 | mg/Kg | | | 1.8E-05 J | 8.4E-05 J | 6.1E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 135/151 | mg/Kg | | | 8.5E-05 J | 0.00041 J | 0.00028 | 0.000764 | 0.000975 | 2.38E-05 J | 0.015 | 0.000176 J+ | 0.0108 | 0.0421 | 0.00153 | 0.000164 J+ | 0.0309 |
| PCB 139/140 | mg/Kg | | | 1.1E-05 U | 1.8E-05 J | 2.1E-05 J | 7.74E-05 J | 9.87E-05 J | 2.98E-06 J | 0.00166 | 1.74E-05 J | 0.00715 | 0.0278 | 0.000855 | 1.54E-05 J | 0.00318 |
| PCB 147/149 | mg/Kg | | | 0.00024 J | 0.00088 J | 0.00078 | 0.00217 | 0.0027 | 7.68E-05 J | 0.0482 | 0.000497 | 0.00892 | 0.0283 | 0.0013 | 0.000455 | 0.0952 |
| PCB 153/168 | mg/Kg | | | 0.00035 J | 0.0013 J | 0.0012 | 0.00334 | 0.00426 | 0.000121 J+ | 0.0695 | 0.000598 | 0.0061 | 0.0288 J+ | 0.00186 | 0.000611 | 0.13 |
| PCB 156/157 | mg/Kg | | | 7.2E-05 J | 0.0003 | 0.00026 J+ | 0.00112 | 0.00138 | 4.38E-05 J | 0.0208 | 0.000214 | 0.0133 | 0.0446 | 0.00158 | 0.000213 | 0.0323 |
| PCB 171/173 | mg/Kg | | | 3.7E-05 J | 0.00031 J | 0.00015 | 0.000222 | 0.0003 | 8.31E-06 J | 0.00399 | 3.33E-05 J | 0.0372 | 0.146 | 0.00439 | 2.9E-05 J | 0.00513 |
| PCB 18/30 | mg/Kg | | | 3.2E-05 U | 7.3E-05 J | 3E-05 J | 5.15E-05 U | 9.08E-06 J | 5.24E-05 U | 0.000132 | 5.34E-05 U | 0.00311 | 0.0076 | 0.000625 | 5.34E-05 U | 0.000124 |
| PCB 180/193 | mg/Kg | | | 0.00025 J | 0.0012 J | 0.00099 | 0.000937 | 0.00108 | 2.86E-05 J | 0.014 | 0.000145 | 0.0271 | 0.108 | 0.00366 | 0.000127 J+ | 0.0222 |
| PCB 198/199 | mg/Kg | | | 0.00019 J | 0.0012 J | 0.00064 | 0.000158 | 0.000216 | 6.91E-06 J | 0.00116 | 1.66E-05 J | 0.0521 | 0.202 | 0.00655 | 1.86E-05 J | 0.00277 |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | FrancyMtn | FrancyMtn | FrancyMtn | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 | HP1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | FM-SS-2 | FM-SS-3 | FM-SS-4 | HP1-1 | HP1-1 | HP1-1 | HP1-2 | HP1-2 | HP1-3 | HP1-3 | HP1-3 | HP1-4 | HP1-4 |
| | | | Sample Name | FM-SS-2_SS DUP | FM-SS-3_SS | FM-SS-4_SS | DUP | HP1-1-1 | HP1-1-2 | HP1-2-1 | HP1-2-2 | HP1-3-1 | HP1-3-2 | HP1-3-3 | DUP-2 | HP1-4-1 |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 2 | 0 | 1.1 | 2 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0 | 1 | 2.3 | 1 | 2.5 | 1 | 1.5 | 2.5 | 0 | 1 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/20/2013 | 11/20/2013 | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 |
| | | | Parent Sample | FM-SS-2_SS_11/20/13 | | | HP1-1-1_07/10/13 | | | | | | | | HP1-4-2_07/10/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 3.9E-05 J | 0.00015 J | 9.7E-05 | 3.11E-05 J | 2.76E-05 J | 5.24E-05 U | 0.000528 | 1.3E-05 J | 0.0106 | 0.0467 | 0.00132 | 5.34E-05 U | 0.000249 |
| PCB 21/33 | mg/Kg | | | 1.4E-05 J | 0.00011 J | 6.7E-05 J | 1.31E-05 J | 1.36E-05 J | 5.24E-05 U | 0.000144 J+ | 5.18E-06 J | 0.0154 | 0.0575 | 0.00175 | 5.34E-05 U | 5.37E-05 |
| PCB 26/29 | mg/Kg | | | 9.9E-06 U | 0.00011 J | 5.5E-05 J | 5.88E-06 J | 5.2E-05 U | 5.24E-05 U | 4.11E-05 J | 5.34E-05 U | 0.0149 | 0.0591 | 0.00167 | 5.34E-05 U | 3.58E-05 J |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | 0.00015 | 0.000198 | 5.99E-06 J | 0.00219 | 5.07E-05 J | 0.0254 | 0.106 | 0.00294 | 8.36E-05 J | 0.00609 |
| PCB 40/71 | mg/Kg | | | 1.7E-05 J | 0.00011 J | 6.9E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 43/73 | mg/kg | | | -- | -- | -- | 5.34E-05 | 5.2E-05 U | 5.24E-05 U | 5.12E-05 U | 5.34E-05 U | 0.00269 J+ | 0.0151 | 0.000151 | 4.91E-05 J | 5.03E-05 U |
| PCB 44/47/65 | mg/Kg | | | 4.8E-05 J | 0.0003 J | 0.0003 | 0.000333 J+ | 0.000526 | 1.89E-05 J | 0.00656 | 0.000136 J+ | 0.0104 | 0.0436 | 0.00138 | 0.000271 J+ | 0.0228 |
| PCB 45/51 | mg/kg | | | -- | -- | -- | 1.01E-05 J | 2.23E-06 J | 5.24E-05 U | 0.000135 | 4.56E-06 J | 0.00313 | 0.0125 | 0.000323 | 5.34E-05 U | 0.000328 |
| PCB 49/69 | mg/Kg | | | 3E-05 J | 0.00014 J | 0.00015 | 0.000126 J+ | 0.000208 | 5.44E-06 J | 0.00302 | 5.51E-05 J | 0.00518 J+ | 0.0218 | 0.000684 | 0.00012 J+ | 0.0127 |
| PCB 50/53 | mg/Kg | | | 8.5E-06 U | 2.9E-05 J | 1.8E-05 J | 6.53E-06 J | 8.61E-06 J | 0.000105 U | 0.000184 | 4.95E-06 J | 0.00282 | 0.0114 | 0.000315 | 2.08E-05 J | 0.000911 |
| PCB 59/62/75 | mg/Kg | | | 6.6E-06 U | 3.6E-05 J | 2.2E-05 J | 1.56E-05 J | 1.96E-05 J | 0.000105 U | 0.000102 U | 4.72E-06 J | 0.0146 | 0.0578 | 0.0015 | 0.000107 U | 0.000277 J+ |
| PCB 61/70/74/76 | mg/Kg | | | 0.00015 J | 0.00086 J | 0.00044 | 0.00179 | 0.00224 | 5.9E-05 J | 0.0309 | 0.000482 J+ | 0.0304 | 0.104 | 0.00298 | 0.000611 J+ | 0.0853 |
| PCB 83/99 | mg/kg | | | -- | -- | -- | 0.00212 | 0.00267 | 5.88E-05 J | 0.0436 | 0.000541 J+ | 0.0087 | 0.0264 J+ | 0.00146 | 0.000609 | 0.104 |
| PCB 85/116 | mg/kg | | | -- | -- | -- | 0.00158 | 0.0021 | 4.93E-05 J | 0.017 | 0.000337 J+ | 0.0252 | 0.101 | 0.00383 | 0.000499 J+ | 0.0513 |
| PCB 85/116/117 | mg/Kg | | | 3.8E-05 J | 0.00025 J | 0.00024 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.0002 J | 0.00082 J | 0.00084 | 0.00325 | 0.00406 | 0.000106 J | 0.0618 | 0.000773 J+ | 0.028 | 0.0978 | 0.00359 | 0.000944 J+ | 0.139 |
| PCB 88/91 | mg/Kg | | | 2E-05 J | 7.7E-05 J | 5.3E-05 J | 0.000434 | 0.000617 | 1.68E-05 J | 0.00828 | 0.000139 J+ | 0.00471 J+ | 0.0147 | 0.000518 | 0.000195 | 0.0237 |
| PCB 90/101/113 | mg/Kg | | | 0.00029 J | 0.0011 J | 0.0012 | 0.00419 | 0.0051 | 0.000127 J | 0.0715 | 0.00112 J+ | 0.0153 | 0.0544 | 0.00204 | 0.00123 J+ | 0.198 |
| PCB 93/100 | mg/Kg | | | 1.6E-05 U | 3.9E-05 U | 2.4E-05 U | 0.000206 U | 0.000208 U | 0.00021 U | 0.000205 U | 0.000214 U | 0.00494 | 0.015 J+ | 0.000577 | 0.000214 U | 0.000201 U |
| PCB 98/102 | mg/Kg | | | 1.5E-05 U | 3.7E-05 U | 2.2E-05 U | 1.53E-05 J | 2.41E-05 J | 0.00021 U | 0.000443 J+ | 6.39E-06 J | 0.00261 | 0.00708 | 0.000275 | 4.83E-06 J | 0.00104 |
| Total Dichlorobiphenyl | mg/Kg | | | 0.0036 J | 0.00077 J | 0.0053 J+ | 0.000116 J | 0.00013 J | 2.22E-05 J | 0.00035 J | 1.77E-05 J | 0.106 | 0.452 | 0.0145 | 3.47E-05 J | 0.000459 J |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.00091 J | 0.0047 J | 0.0033 J+ | 0.00375 J | 0.0044 J | 0.000119 J | 0.0597 J | 0.000605 J | 0.275 | 1.09 | 0.0346 J | 0.000492 J | 0.092 J |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.0017 J | 0.007 J | 0.0061 | 0.0194 J | 0.0245 J | 0.000673 J | 0.398 J | 0.00371 J | 0.184 | 0.754 J | 0.0309 J | 0.00369 J | 0.728 J |
| Total Monochlorobiphenyl | mg/Kg | | | 8.6E-06 J | 0.0002 J | 0.00016 J | 3.66E-05 J | 5.27E-05 J | 5.24E-05 U | 8.54E-05 J | 5.34E-05 U | 0.0344 | 0.145 | 0.00425 | 5.34E-05 U | 0.000187 |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.001 J | 0.0042 J | 0.0022 | 0.00122 | 0.00183 | 6.51E-05 J | 0.0039 | 8.47E-05 J | 0.613 | 2.63 | 0.0783 | 8.56E-05 J | 0.00835 |
| Total Octachlorobiphenyl | mg/Kg | | | 0.00052 J | 0.0032 J | 0.0019 | 0.000844 J | 0.00119 J | 3.11E-05 J | 0.00604 | 8.54E-05 J | 0.316 J | 1.25 | 0.0413 | 7.56E-05 J | 0.0115 |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.0019 J | 0.0074 J | 0.0078 J+ | 0.0306 J | 0.0384 J | 0.00105 J | 0.563 J | 0.00693 J | 0.237 J | 0.882 J | 0.0325 J | 0.00851 J | 1.43 J |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.00054 J | 0.0031 J | 0.0024 J+ | 0.00426 J | 0.00544 J | 0.000172 J | 0.0737 | 0.00126 J | 0.187 J | 0.67 | 0.0185 J | 0.00244 J | 0.245 J |
| Total Trichlorobiphenyl | mg/Kg | | | 0.0003 J | 0.0009 J | 0.00084 J+ | 0.000153 J | 0.000117 J | 5.24E-05 U | 0.0026 J | 4.37E-05 J | 0.124 J | 0.455 | 0.0137 J | 7.98E-06 J | 0.00189 J |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.052 J+ | 0.49 J+ | 0.27 J+ | 0.0674 J | 0.0873 J | 0.00248 J | **1.12 J** | 0.0132 J | **4.35 J** | **20.7 J** | 0.547 J | 0.0157 J | **2.55 J** |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 6.4E-05 J | 0.00018 | 3.5E-06 J | 6.4E-05 | 8.7E-05 J | 1.24E-08 J | 4.37E-05 J | 6.54E-08 | 0.000511 | 0.00238 | 7.8E-05 J | 1.81E-06 J | 0.00036 J |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 64 J | 180 | 3.5 J | 64 | 87 J | 0.0124 J | 43.7 J | 0.0654 | 511 | 2380 | 78 J | 1.81 J | 360 J |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 6.4E-05 J | 0.00018 | -- | 6.35E-05 | 8.63E-05 J | -- | -- | -- | -- | -- | -- | -- | 0.000305 J |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 64 J | 180 | -- | 63.5 | 86.3 J | -- | -- | -- | -- | -- | -- | -- | 305 J |
| Total TEQ-PCB Congener Only | mg/Kg | | | 2.3E-08 J | 7.9E-08 | 3.5E-06 J | 3.25E-07 | 4E-07 J | 1.24E-08 J | 4.37E-05 J | 6.54E-08 | 0.000511 | 0.00238 | 7.8E-05 J | 1.81E-06 J | 5.76E-05 J |
| Total TEQ-PCB Congener Only | pg/g | | | 0.023 J | 0.079 | 3.5 J | 0.325 | 0.4 J | 0.0124 J | 43.7 J | 0.0654 | 511 | 2380 | 78 J | 1.81 J | 57.6 J |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | HP1 | HP1 | HP1 | HP1 | HP1 | J2Landfill | J2Landfill | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | HP1-4 | HP1-5 | HP1-5 | HP1-6 | HP1-6 | J2-SS-1 | J2-SS-2 | J2-SS-3 | NE-B-1 | NE-B-2 | NE-B-3 | NE-B-4 | NE-B-5 |
| | | | Sample Name | HP1-4-2 | HP1-5-1 | HP1-5-2 | HP1-6-1 | HP1-6-2 | J2-SS-1_SS | J2-SS-2_SS | J2-SS-3_SS | NE-B-1_SS | NE-B-2_SS | NE-B-3_SS | NE-B-4_SS | NE-B-5_SS |
| | | | Start Depth | 1.9 | 0 | 1.9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2.5 | 1 | 2.5 | 1 | 2.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/21/2013 | 11/21/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 12/4/2013 | 12/4/2013 |
| | | | Parent Sample | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 5.67E-05 J+ | 0.0197 | 0.000137 J+ | 2.68E-05 J | 2.55E-06 J | 0.013 J | 0.00037 J | 0.00087 | 7.6E-06 J | 4.9E-05 | 5.9E-05 | 0.00079 | 0.0013 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 1.99E-05 J | 0.00185 | 1.67E-05 J | 2.83E-05 J | 5.28E-05 U | 0.008 J | 0.00032 J | 0.00057 | 7.5E-06 J | 6.3E-05 | 7.3E-05 | 0.0013 | 0.0025 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 8.26E-05 J+ | 0.0281 | 0.000227 J+ | 2.85E-05 J | 3.51E-06 J | 0.008 J | 0.00047 | 0.0014 | 4E-06 J | 6E-05 | 0.00011 | 0.00078 | 0.0013 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 1.11E-05 J | 0.000806 | 1.7E-05 J | 1.38E-05 J | 5.28E-05 U | 0.0019 | 8.8E-05 J | 0.00017 | 1.4E-06 J | 1.8E-05 J | 2E-05 J | 0.00046 | 0.00095 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 1.6E-05 J | 0.00509 | 2.81E-05 J | 1.45E-05 J | 5.28E-05 U | 0.0034 | 0.00016 J | 0.00034 | 3E-06 J | 2.7E-05 J | 3.3E-05 J | 0.00075 | 0.0015 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.000112 | 0.00106 | 1.4E-05 J | 0.000305 | 5.48E-06 J | 0.011 J | 0.00049 | 0.0013 | 9.9E-06 J | 0.00014 | 0.00012 | 0.0029 | 0.0074 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 9.17E-06 J | 0.00336 | 3.11E-05 J | 3.65E-06 J | 0.000106 U | 0.00074 | 4.3E-05 J | 0.00016 | 5.9E-07 J | 7.9E-06 J | 1.9E-05 J | 0.00016 | 0.00026 J+ |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.000136 J | 0.0131 | 0.000137 J+ | 5.12E-05 U | 2.73E-06 J | 0.0058 J | 0.00033 J | 0.00089 | 2.9E-06 J | 3.7E-05 J | 5.7E-05 | 0.00047 | 0.00075 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 1.93E-05 J | 0.002 | 1.66E-05 J | 3.88E-05 J | 5.28E-05 U | 0.0018 | 7.4E-05 J | 0.00023 | 1.8E-06 J | 2.4E-05 J | 2.2E-05 J | 0.00047 | 0.0012 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 4.95E-06 J | 0.00126 | 1.05E-05 J | 3.11E-06 J | 0.000106 U | 0.0007 | 2.8E-05 J | 6.9E-05 | 6.2E-07 J | 4.3E-06 J | 6.7E-06 J | 0.00014 | 0.0003 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 1.26E-05 J | 0.0039 | 3.61E-05 J | 6.25E-06 J | 5.28E-05 U | 0.001 | 6E-05 J | 0.00017 | 1.1E-06 J | 9.5E-06 J | 1.9E-05 J | 0.00022 | 0.00047 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 6.13E-05 | 0.0012 | 1.53E-05 J | 0.000192 | 4.46E-06 J | 0.0097 J | 0.0005 | 0.001 | 1.2E-05 J | 0.00012 | 0.00011 | 0.0025 | 0.0061 J |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 1.07E-05 J | 0.00147 | 1.28E-05 J | 2.13E-05 J | 5.28E-05 U | 0.00034 | 1.4E-05 J | 5.4E-05 | 8.5E-07 U | 3.8E-06 J | 4.8E-06 J | 0.00011 | 0.00025 |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 4.22E-05 J | 0.000909 | 5.2E-05 U | 0.000103 | 5.28E-05 U | 0.0049 J | 0.00025 J | 0.00059 | 4.8E-06 J | 6.5E-05 | 6.6E-05 | 0.0014 | 0.0037 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 7.55E-05 | 0.000702 | 5.2E-05 U | 0.00026 | 4.05E-06 J | 0.0016 J+ | 0.00011 J | 0.00026 | 2.4E-06 J | 1.9E-05 J | 1.8E-05 J | 0.00024 | 0.0016 J+ |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 1.11E-05 J | 0.000941 | 9.39E-06 J | 2.39E-05 J | 5.28E-05 U | 0.0007 | 4.1E-05 J | 8.1E-05 | 1.5E-06 J | 4.3E-06 J | 9E-06 J | 0.0002 | 0.00045 |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 9.48E-06 J | 0.000276 | 5.2E-05 U | 3.72E-05 J | 5.28E-05 U | 0.00021 J+ | 2E-05 J | 3E-05 J | 1.4E-06 U | 3.6E-06 J | 2.8E-06 J | 2.6E-05 J | 0.00024 J+ |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.000334 | 0.00208 | 3.74E-05 J | 0.00141 | 2.43E-05 J | 0.0067 J | 0.00054 | 0.00099 | 1.7E-05 J | 8.7E-05 | 7.6E-05 | 0.0013 | 0.0066 J+ |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.000159 J+ | 0.00115 | 5.2E-05 U | 0.000691 | 1.1E-05 J | 0.0022 J+ | 0.00024 J | 0.00028 | 9.1E-06 J | 2.1E-05 J | 2.9E-05 J | 0.00053 J+ | 0.0031 J+ |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 7E-06 J | 0.00117 | 1.27E-05 J | 5.38E-06 J | 0.000106 U | 0.00092 | 4.8E-05 J | 0.00012 | 1.7E-06 J | 9.9E-06 J | 1.7E-05 J | 0.00019 | 0.00044 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 8.94E-06 J | 0.00114 | 1.06E-05 J | 2.7E-05 J | 5.28E-05 U | 0.0013 | 6.7E-05 J | 0.00015 | 1.4E-06 J | 1.6E-05 J | 1.7E-05 J | 0.00035 | 0.00092 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 1.13E-05 J | 0.000558 | 5.2E-05 U | 2.96E-05 J | 5.28E-05 U | 0.00021 J+ | 1.6E-05 J | 3.5E-05 J | 1.3E-06 U | 3.1E-06 J | 2.6E-06 J | 4.4E-05 | 0.00022 J+ |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 1.9E-05 J | 0.000662 | 8.33E-06 J | 5.04E-05 J | 1.97E-06 J | 0.0021 | 0.00013 J | 0.00023 | 4.7E-06 J | 2.5E-05 J | 2.9E-05 J | 0.00064 | 0.0015 |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00057 J+ | 6.8E-05 J | 7E-05 | 3.3E-06 J | 7.7E-06 J | 5.9E-06 J | 0.0001 J+ | 0.00074 J+ |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.000121 J+ | 0.000601 | 1.38E-05 J | 0.000209 | 2.78E-05 J | 0.0014 J+ | 0.00017 J | 0.00019 | 6.4E-06 J | 2.1E-05 J | 1.9E-05 J | 0.00033 | 0.0013 |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.00024 J+ | 0.00105 | 4.07E-05 J+ | 0.000691 | 5.26E-05 J+ | 0.0029 J+ | 0.00055 | 0.00035 | 2.3E-05 J | 4.3E-05 | 4.4E-05 | 0.00053 J+ | 0.0033 J+ |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 1.16E-05 J | 0.00188 | 8.41E-06 J | 1.31E-05 J | 5.28E-05 U | 0.0047 J | 0.0002 J | 0.00041 | 4.1E-06 J | 3.4E-05 J | 4.5E-05 | 0.00084 | 0.0018 |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 7.72E-06 J | 0.00317 | 2.66E-05 J | 5.12E-05 U | 5.28E-05 U | 0.00018 | 8.5E-06 J | 4.4E-05 | 3.3E-07 U | 1.5E-06 J | 4.2E-06 J | 6.2E-05 | 6.5E-05 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 4.9E-06 J | 0.000807 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 8.2E-05 | 5.8E-06 U | 1.6E-05 J | 5.4E-07 U | 7.5E-07 U | 7.6E-07 U | 2.1E-05 J | 6.3E-05 |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 3.94E-06 J | 0.000923 | 7.65E-06 J | 6.89E-06 J | 5.28E-05 U | 8.7E-05 | 6.5E-06 U | 2.1E-05 J | 7.9E-07 U | 9.4E-07 J | 1.3E-06 J | 2.7E-05 J | 6.8E-05 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 6.01E-05 J | 0.0025 | 2.43E-05 J | 0.000144 | 4.7E-06 J | 0.0049 J | 0.00023 J | 0.00051 | 5.4E-06 J | 5.7E-05 | 5.4E-05 | 0.0012 | 0.0028 |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 7.22E-05 | 0.000316 | 5.2E-05 U | 0.000238 | 5.68E-06 J | 0.0013 J+ | 7E-05 J | 0.00018 | 3.2E-06 J | 1.4E-05 J | 1.2E-05 J | 9.9E-05 | 0.001 J+ |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 3.22E-06 J | 0.00163 | 1.2E-05 J | 1.61E-06 J | 5.28E-05 U | 0.00014 | 5.2E-06 U | 3E-05 J | 6.4E-07 U | 1.4E-06 J | 5E-06 J | 3.3E-05 J | 6E-05 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 0.000107 U | 0.000102 U | 0.000104 U | 0.000102 U | 0.000106 U | 0.001 | 3.2E-05 J | 9.3E-05 | 5.9E-07 U | 5.3E-06 J | 1.1E-05 J | 0.00027 | 0.00057 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 5.03E-05 J | 0.00133 | 1.34E-05 J | 0.000132 | 2.92E-06 J | 0.0091 J | 0.00048 | 0.00096 | 1.2E-05 J | 9.6E-05 | 0.0001 | 0.0024 | 0.0056 J |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.000143 | 0.00105 | 1.85E-05 J | 0.000486 | 1E-05 J | 0.0049 J | 0.00032 J | 0.0006 | 9.2E-06 J | 5.6E-05 | 4.7E-05 | 0.0008 | 0.004 J+ |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 9.73E-05 | 0.0018 | 1.66E-05 J | 0.000386 | 6.02E-06 J | 0.0029 J+ | 0.00021 J | 0.00044 | 7.3E-06 J | 3.8E-05 J | 3.5E-05 J | 0.00061 | 0.0027 J+ |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 5.33E-05 U | 0.000261 J+ | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 1.5E-05 J | 5E-06 U | 2.7E-06 J | 6.1E-07 U | 5.7E-07 U | 5.1E-07 U | 2.6E-06 J | 3.4E-06 U |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 5.33E-05 U | 0.00113 | 7.41E-06 J | 5.12E-05 U | 5.28E-05 U | 7.8E-05 | 5.1E-06 U | 1.9E-05 J | 8.7E-07 U | 8.5E-07 J | 3.5E-06 J | 2.2E-05 J | 4.4E-05 J |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 2.44E-05 J | 0.000606 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 8.1E-05 UJ+ | 1.4E-05 U | 1.3E-05 U | 1.3E-06 U | 1.8E-06 U | 2E-06 U | 2.3E-05 U | 6.8E-05 UJ+ |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 1.89E-05 J | 0.000213 | 6.4E-06 J | 4.54E-05 J | 5.28E-05 U | 0.00074 J+ | 6.7E-05 J | 9.6E-05 | 2.5E-06 J | 1.1E-05 J | 9.3E-06 J | 0.00017 | 0.00066 J+ |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 5.33E-05 U | 0.000558 | 4.31E-06 J | 5.12E-05 U | 5.28E-05 U | 7.2E-05 UJ+ | 1.2E-05 U | 1.1E-05 U | 1.1E-06 U | 1.6E-06 U | 1.8E-06 U | 2.1E-05 U | 6.1E-05 UJ+ |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 5.33E-05 U | 0.000154 | 1.63E-06 J | 5.12E-05 U | 5.28E-05 U | 5.2E-05 UJ+ | 8.7E-06 U | 8.2E-06 U | 8.2E-07 U | 1.1E-06 U | 1.3E-06 U | 1.5E-05 U | 4.4E-05 U |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 5.33E-05 U | 0.000269 | 2.58E-06 J | 5.12E-05 U | 5.28E-05 U | 4.9E-05 UJ+ | 8.1E-06 U | 7.7E-06 U | 7.6E-07 U | 1E-06 U | 1.2E-06 U | 1.4E-05 U | 4.1E-05 U |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 5.33E-05 U | 0.000592 | 5.81E-06 J | 1.2E-05 J | 5.28E-05 U | 0.00021 UJ+ | 3E-05 U | 3E-05 U | 1.9E-06 U | 4.4E-06 U | 4E-06 U | 4.1E-05 J | 0.00019 UJ+ |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00068 | 6.2E-05 J | 2E-05 J | 1.7E-06 J | 1.3E-06 J | 1.8E-05 J | 0.00075 | 0.0015 |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 1.2E-05 J | 9.24E-05 J+ | 5.2E-05 U | 1.51E-05 J | 5.2E-06 J | 0.0016 | 0.00028 J | 6.4E-05 | 4.3E-06 J | 8.1E-06 J | 3.4E-05 J | 0.0013 | 0.0037 |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.000182 J+ | 0.0011 | 5.2E-05 U | 0.000334 | 6.17E-05 J+ | 0.0023 J+ | 0.00034 J | 0.00028 | 1.7E-05 J | 3.2E-05 J | 2.8E-05 J | 0.00029 | 0.0024 J+ |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 5.33E-05 U | 0.000157 | 1.59E-06 J | 5.12E-05 U | 5.28E-05 U | 5E-05 UJ+ | 8.3E-06 U | 7.9E-06 U | 7.8E-07 U | 1.1E-06 U | 1.2E-06 U | 1.4E-05 U | 4.2E-05 U |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 5.33E-05 U | 1.85E-05 J | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.0002 UJ+ | 2.8E-05 U | 2.9E-05 U | 1.8E-06 U | 4.1E-06 U | 3.7E-06 U | 3.8E-05 U | 0.00018 UJ+ |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.00102 J+ | 0.0042 | 0.000163 J | 0.00131 | 0.000344 J+ | 0.0081 J | 0.0018 | 0.00099 | 6.8E-05 | 0.00013 | 0.00011 | 0.0013 | 0.0076 J |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00018 | 3.6E-05 J | 3.8E-06 J | 9.4E-07 U | 7.9E-07 U | 4.8E-06 J | 0.00011 | 0.00041 |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 4.87E-06 J | 9.84E-05 | 5.2E-05 U | 3.37E-06 J | 1.85E-06 J | 5.2E-05 | 1.2E-05 J | 5.4E-06 J | 4.3E-07 U | 6E-07 J | 7.2E-07 J | 1.5E-05 J | 5.1E-05 |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00067 | 0.0001 J | 1.9E-05 J | 9.2E-07 U | 5.7E-06 J | 1.5E-05 J | 0.00038 | 0.0011 |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | HP1 | HP1 | HP1 | HP1 | HP1 | J2Landfill | J2Landfill | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | HP1-4 | HP1-5 | HP1-5 | HP1-6 | HP1-6 | J2-SS-1 | J2-SS-2 | J2-SS-3 | NE-B-1 | NE-B-2 | NE-B-3 | NE-B-4 | NE-B-5 |
| | | | Sample Name | HP1-4-2 | HP1-5-1 | HP1-5-2 | HP1-6-1 | HP1-6-2 | J2-SS-1_SS | J2-SS-2_SS | J2-SS-3_SS | NE-B-1_SS | NE-B-2_SS | NE-B-3_SS | NE-B-4_SS | NE-B-5_SS |
| | | | Start Depth | 1.9 | 0 | 1.9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2.5 | 1 | 2.5 | 1 | 2.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/21/2013 | 11/21/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 12/4/2013 | 12/4/2013 |
| | | | Parent Sample | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 3.39E-06 J | 0.000201 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.00025 | 3.9E-05 J | 8.5E-06 J | 9.8E-07 U | 2.3E-06 J | 6.2E-06 J | 0.00017 | 0.0005 |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 2.13E-05 U | 8.88E-05 J+ | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.0017 | 6.4E-05 J | 3E-05 J | 2.1E-06 U | 2.5E-06 J | 3.1E-05 J | 0.00078 | 0.0019 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 0.000107 U | 0.000204 | 2.19E-06 J | 0.000102 U | 0.000106 U | 0.00014 J+ | 1.1E-05 U | 2.1E-05 J | 1E-06 U | 1.4E-06 U | 2.8E-06 J | 2E-05 J | 0.00015 J+ |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0081 J | 0.00095 | 0.00082 | 4.7E-05 | 6.9E-05 | 8.3E-05 | 0.00097 | 0.0075 J |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 5.33E-05 U | 0.000318 | 1.92E-06 J | 5.12E-05 U | 5.28E-05 U | 5.7E-05 UJ+ | 7.9E-06 U | 8.8E-06 U | 1.4E-06 U | 1.6E-06 U | 1.9E-06 U | 1.7E-05 U | 4.6E-05 U |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 5.33E-05 U | 0.000175 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00017 UJ+ | 2.4E-05 U | 2.5E-05 U | 1.6E-06 U | 3.6E-06 U | 3.3E-06 U | 3.3E-05 U | 0.00016 UJ+ |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 6.62E-05 | 0.000419 J+ | 5.2E-05 U | 7.2E-05 J+ | 2.48E-05 J | 0.0012 | 0.00016 J | 3.7E-05 J | 3E-06 J | 3.3E-06 J | 2.4E-05 J | 0.00085 | 0.0025 |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 5.33E-05 U | 7.86E-05 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 5.9E-06 J | 2.9E-06 U | 6.8E-07 J | 5.5E-07 U | 5.3E-07 U | 2.9E-07 U | 8.3E-07 J | 2.6E-06 J |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00014 | 1.7E-05 J | 5.8E-06 J | 7.7E-07 U | 1.4E-06 J | 4.3E-06 J | 7.4E-05 | 0.00028 |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 2.13E-05 U | 0.000285 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.0012 | 5.1E-05 J | 2E-05 J | 1.5E-06 U | 1.5E-06 U | 1.9E-05 J | 0.00042 | 0.00099 |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.000867 | 0.00311 J+ | 0.00012 J+ | 0.0005 J+ | 0.000247 J+ | 0.0079 J | 0.0021 | 0.00058 | 5.4E-05 | 6.8E-05 | 0.0001 | 0.0023 J+ | 0.01 J |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 5.33E-05 U | 1.87E-05 J | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 1E-05 J | 7.2E-06 U | 9E-07 J | 1E-06 U | 1.1E-06 U | 5.5E-07 U | 3.7E-06 J | 1.1E-05 J |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 2.13E-05 U | 5.64E-05 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.00036 | 2E-05 U | 4.4E-06 J | 2E-06 U | 2.1E-06 U | 5.4E-06 J | 7.4E-05 | 0.00028 |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 5.33E-05 U | 0.000287 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00038 | 9.1E-05 U | 1.3E-05 J | 2.8E-05 U | 3.1E-05 U | 1.7E-05 U | 7.6E-05 J+ | 0.00035 |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 6.64E-06 J | 0.00293 | 2.13E-05 J | 4.9E-06 J | 5.28E-05 U | 0.00054 | 2E-05 J | 6E-05 | 4.4E-07 J | 3E-06 J | 5.2E-06 J | 0.00012 | 0.00019 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 1.33E-05 J | 0.0014 | 1.05E-05 J | 5.12E-05 U | 5.28E-05 U | 0.00044 J+ | 2.2E-05 J | 6E-05 | 5.8E-07 U | 4.8E-06 | 4.5E-06 | 0.00011 | 0.00028 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 2.09E-05 J | 0.000961 | 1.01E-05 J | 4.81E-05 J | 5.28E-05 U | 0.0024 | 9.7E-05 J | 0.00028 | 1.3E-06 J | 2.8E-05 J | 2.6E-05 J | 0.00045 | 0.0014 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 6.13E-06 J | 0.000817 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00056 | 1.7E-05 J | 7.2E-05 | 4.8E-07 U | 4.9E-06 J | 5.4E-06 J | 0.00013 | 0.00031 |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.000122 | 0.000881 | 1.39E-05 J | 0.000427 | 5.97E-06 J | 0.0032 J+ | 0.00019 J | 0.00048 | 4.5E-06 J | 3.7E-05 J | 3.1E-05 J | 0.00047 | 0.0026 J+ |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.000557 | 0.00375 | 4.38E-05 J | 0.00229 | 3.88E-05 J | 0.011 J | 0.00075 | 0.0012 J+ | 2.2E-05 | 8.4E-05 | 0.00011 | 0.0017 J+ | 0.011 J |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 5.33E-05 U | 0.000653 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 2.4E-05 U | 5.3E-06 U | 7.8E-06 J | 5E-07 U | 6.9E-07 U | 7E-07 U | 8.2E-06 J | 8.3E-06 U |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 5.33E-05 U | 0.000615 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 4.4E-05 UJ+ | 8.6E-06 U | 9.1E-06 J | 6.1E-07 U | 1.1E-06 U | 9E-07 U | 6.5E-05 | 0.00014 |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 5.33E-05 U | 0.000608 | 4.51E-06 J | 1.56E-05 J | 5.28E-05 U | 0.00023 J+ | 8.3E-06 U | 3.8E-05 J | 5.9E-07 U | 1.3E-06 J | 1.1E-06 J | 2E-05 J | 0.00011 |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 0.000213 U | 0.000235 | 0.000208 U | 0.000205 U | 0.000211 U | 6.4E-05 UJ+ | 1.1E-05 U | 1E-05 U | 1E-06 U | 1.4E-06 U | 1.6E-06 U | 1.8E-05 U | 5.4E-05 UJ+ |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 5.33E-05 U | 0.000258 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 5.6E-05 UJ+ | 9.3E-06 U | 8.8E-06 U | 8.7E-07 U | 1.2E-06 U | 1.4E-06 U | 1.6E-05 U | 4.7E-05 UJ+ |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.000113 | 0.00113 | 1.47E-05 J | 0.00054 | 1.31E-05 J | 0.0019 J+ | 0.00014 J | 0.00029 | 2.3E-06 J | 2.4E-05 J | 2E-05 J | 0.00037 | 0.0017 J+ |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 8.32E-05 J+ | 0.00183 | 1.61E-05 J | 0.000407 | 7.11E-06 J | 0.00017 UJ+ | 2.4E-05 U | 2.4E-05 U | 1.5E-06 U | 3.5E-06 U | 3.2E-06 U | 3.3E-05 U | 0.00016 UJ+ |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 5.33E-05 U | 0.000319 | 5.2E-05 U | 7.16E-05 U | 5.28E-05 U | 0.00023 J+ | 2.4E-05 U | 2.6E-05 J | 1.6E-06 U | 3.6E-06 U | 3.2E-06 U | 3.6E-05 J | 0.00033 J+ |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0012 J+ | 7.9E-05 J | 0.00016 | 4.3E-06 J | 1.1E-05 J | 1.5E-05 J | 0.00017 | 0.0013 J+ |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 5.33E-05 U | 3.91E-05 J | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 4.8E-05 UJ+ | 1.3E-05 U | 7.9E-06 U | 1.4E-06 U | 1.2E-06 U | 1.3E-06 U | 0.00014 | 0.00028 J+ |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 3.89E-05 J | 0.000715 | 6.52E-06 J | 0.000207 | 6.49E-06 J | 0.002 J+ | 0.00045 | 0.00021 | 1.1E-05 J | 1.2E-05 J | 7.8E-05 | 0.0041 | 0.013 J |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 5.33E-05 U | 0.0007 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 6.4E-05 UJ+ | 1.1E-05 U | 1E-05 U | 1E-06 U | 1.4E-06 U | 1.6E-06 U | 1.9E-05 U | 5.4E-05 UJ+ |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 5.33E-05 U | 0.000309 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00014 UJ+ | 1.9E-05 U | 2E-05 U | 1.2E-06 U | 2.9E-06 U | 2.6E-06 U | 2.7E-05 U | 0.00013 UJ+ |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 5.33E-05 U | 5.1E-05 U | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00013 UJ+ | 1.9E-05 U | 1.9E-05 U | 1.2E-06 U | 2.7E-06 U | 2.5E-06 U | 2.6E-05 U | 0.00012 UJ+ |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 2.96E-05 J | 0.000151 | 5.2E-05 U | 6.38E-06 J | 2E-06 J | 4.7E-05 UJ+ | 1.2E-05 U | 7.8E-06 U | 1.4E-06 U | 1.2E-06 U | 1.3E-06 U | 3.3E-05 J | 7.5E-05 UJ+ |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 5.33E-05 U | 4.09E-05 J | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 4.8E-05 UJ+ | 1.3E-05 U | 7.8E-06 U | 1.4E-06 U | 1.2E-06 U | 1.3E-06 U | 1.7E-05 U | 7.6E-05 UJ+ |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 4.96E-05 J | 0.00131 | 1.39E-05 J | 0.000175 | 2.96E-06 J | 0.0015 J+ | 9.1E-05 | 0.00023 J+ | 2E-06 J | 1.7E-05 | 1.6E-05 | 0.00019 J+ | 0.0013 J+ |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 2.16E-05 J | 0.000652 | 5.2E-05 U | 0.000115 | 5.28E-05 U | 0.00022 J+ | 2.4E-05 U | 4.1E-05 J+ | 1.5E-06 U | 3.4E-06 J | 5.7E-06 | 6.6E-05 J+ | 0.00046 J+ |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.0013 | 0.00893 | 0.000126 J+ | 0.00664 | 9.22E-05 J | 0.018 J | 0.0013 | 0.0021 J+ | 5.6E-05 | 0.00017 | 0.00021 | 0.0023 J+ | 0.017 J |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 3.65E-05 J | 0.00053 | 5.2E-05 U | 5.99E-05 U | 4.91E-06 J | 0.00026 J+ | 2.3E-05 U | 3E-05 J+ | 1.4E-06 U | 3.1E-06 U | 4.2E-06 J | 5.4E-05 J+ | 0.00033 J+ |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | 0.0022 | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 1.33E-05 J | 0.000208 | 5.2E-05 U | 0.000101 | 2.54E-06 J | 0.0011 J+ | 0.00022 J | 0.00012 | 4.7E-06 J | 6.2E-06 J | 4.7E-05 | 0.0027 | 0.0079 J |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.000106 J+ | 0.00103 | 1.71E-05 J | 0.000462 | 2.39E-05 J | 0.0052 J | 0.00093 | 0.00045 | 2.5E-05 J | 3E-05 J | 0.00015 | 0.0073 J | 0.022 J |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 5.33E-05 U | 0.000567 J+ | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00014 UJ+ | 2.1E-05 U | 2.1E-05 U | 1.3E-06 U | 3E-06 U | 2.7E-06 U | 2.8E-05 U | 0.00014 UJ+ |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 5.33E-05 U | 0.000154 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00014 UJ+ | 1.9E-05 U | 0.00024 | 1.2E-06 U | 2.8E-06 U | 2.6E-06 U | 2.6E-05 U | 0.00013 UJ+ |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 7.54E-05 | 0.000279 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00011 J+ | 1.8E-05 J | 1.4E-05 J | 1.3E-06 U | 1.1E-06 J | 4.9E-06 J | 0.00021 | 0.0006 J+ |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 5.33E-05 U | 0.000141 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 8.6E-05 J+ | 1.5E-05 J | 8E-06 J | 1.3E-06 U | 1.1E-06 U | 6.1E-06 J | 0.00023 | 0.0006 J+ |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 1.84E-06 J | 0.000151 | 5.2E-05 U | 5.12E-05 U | 3.17E-06 J | 4.2E-05 UJ+ | 1.1E-05 U | 0.0012 | 1.2E-06 U | 1E-06 U | 1.1E-06 U | 1.5E-05 U | 6.7E-05 UJ+ |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 6.19E-05 J+ | 0.000258 | 8.71E-06 J | 8.23E-05 | 1.87E-05 J | 0.0027 | 0.0003 J | 0.00016 | 1.2E-05 J | 2.4E-05 J | 5.2E-05 | 0.0019 | 0.0059 J |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 2.13E-05 U | 0.000195 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.003 J+ | 0.00029 J | 8.2E-05 | 7.8E-06 J | 6.5E-06 J | 7.3E-05 | 0.0028 J+ | 0.0066 J |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 2.13E-05 U | 0.000186 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.00023 J+ | 2.5E-05 J | 0.00014 | 1.2E-06 U | 8.6E-07 U | 5.9E-06 J | 0.0003 J+ | 0.00077 J+ |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 5.33E-05 U | 0.000272 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 4.6E-05 UJ+ | 1.2E-05 U | 2.6E-05 J | 1.3E-06 U | 1.1E-06 U | 1.2E-06 U | 1.6E-05 U | 7.3E-05 UJ+ |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | -- | -- | -- | -- | -- | 3.6E-06 U | 6.6E-06 U | 0.00011 | 6.5E-07 U | 5.4E-07 U | 4.7E-07 U | 2.9E-06 U | 7.5E-06 U |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 2.13E-05 U | 0.000146 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 5.6E-05 UJ+ | 1.6E-05 U | 6.7E-06 U | 1.2E-06 U | 8.3E-07 U | 1.9E-06 U | 4.6E-05 UJ+ | 0.00013 UJ+ |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | HP1 | HP1 | HP1 | HP1 | HP1 | J2Landfill | J2Landfill | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | HP1-4 | HP1-5 | HP1-5 | HP1-6 | HP1-6 | J2-SS-1 | J2-SS-2 | J2-SS-3 | NE-B-1 | NE-B-2 | NE-B-3 | NE-B-4 | NE-B-5 |
| | | | Sample Name | HP1-4-2 | HP1-5-1 | HP1-5-2 | HP1-6-1 | HP1-6-2 | J2-SS-1_SS | J2-SS-2_SS | J2-SS-3_SS | NE-B-1_SS | NE-B-2_SS | NE-B-3_SS | NE-B-4_SS | NE-B-5_SS |
| | | | Start Depth | 1.9 | 0 | 1.9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2.5 | 1 | 2.5 | 1 | 2.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/21/2013 | 11/21/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 12/4/2013 | 12/4/2013 |
| | | | Parent Sample | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 2.13E-05 U | 0.000162 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 5.8E-05 UJ+ | 1.7E-05 U | 9.5E-05 | 1.2E-06 U | 8.6E-07 U | 2E-06 U | 4.8E-05 UJ+ | 0.00013 UJ+ |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 2.13E-05 U | 0.00015 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 3.4E-05 J | 1.2E-05 U | 9.9E-07 J | 1.1E-06 U | 1.1E-06 U | 7.4E-07 U | 1.1E-05 J | 3.1E-05 J |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 2.13E-05 U | 0.000175 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.00025 | 1.2E-05 U | 4.8E-07 U | 1.1E-06 U | 1.1E-06 U | 3.7E-06 J | 7.8E-05 | 0.0003 |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 2.13E-05 U | 0.000429 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 1.5E-05 U | 0.00013 U | 3.1E-06 U | 5.9E-06 U | 5.6E-06 U | 4.4E-06 U | 9.4E-06 U | 1.9E-05 U |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 2.13E-05 U | 0.000433 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.00032 | 0.00013 U | 4E-05 | 5.9E-06 U | 5.7E-06 U | 4.4E-06 U | 8.3E-05 | 0.00024 |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 6.36E-06 J | 0.000551 J+ | 3.33E-06 J | 1.77E-05 J | 3.61E-06 J | 0.0046 J | 0.00055 | 0.00016 | 1.6E-05 J | 1.3E-05 J | 0.00011 | 0.0037 J+ | 0.01 J |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 2.13E-05 U | 0.000141 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.00081 | 5.2E-05 J | 1.7E-05 J | 1.6E-06 J | 2.8E-06 J | 1.5E-05 J | 0.00033 | 0.0012 |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 2.13E-05 U | 0.000242 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 3.3E-05 J | 0.00012 U | 1.3E-05 J | 5.5E-06 U | 5.3E-06 U | 4.1E-06 U | 8.8E-06 J | 3.3E-05 J |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 5.33E-05 U | 0.000524 | 4.67E-06 J | 5.12E-05 U | 5.28E-05 U | 0.0019 | 0.00013 U | 4.5E-05 | 5.8E-06 U | 5.5E-06 U | 2E-05 J | 0.00051 | 0.0014 |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 2.13E-05 U | 0.000374 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 7.6E-05 | 0.00014 U | 5.3E-06 J | 6.2E-06 U | 6E-06 U | 4.6E-06 U | 1.7E-05 J | 7.1E-05 |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 5.33E-05 U | 3.48E-05 J | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 2.3E-05 J | 5.2E-05 U | 2.1E-06 U | 1.6E-05 U | 1.7E-05 U | 8.9E-06 U | 1.4E-05 U | 1.4E-05 U |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 2.13E-05 U | 0.000342 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.00019 | 2E-05 J | 2E-05 J | 5.1E-06 J | 3.4E-06 J | 7E-06 J | 1.4E-05 J | 0.00026 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 5.33E-05 U | 0.000218 J+ | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 4.9E-05 UJ+ | 1E-05 U | 9.2E-06 J+ | 5.9E-07 U | 1.1E-06 U | 9.1E-07 U | 6E-06 UJ+ | 2.5E-05 UJ+ |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 5.33E-05 U | 0.000562 | 5.2E-05 U | 6.53E-05 U | 5.28E-05 U | 0.00048 J+ | 3.2E-05 U | 8.7E-05 J+ | 1.5E-06 U | 4.3E-06 | 5.8E-06 | 6.7E-05 J+ | 0.00039 J+ |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 1.21E-05 J | 0.000591 | 5.2E-05 U | 3.18E-05 J | 5.28E-05 U | 0.0022 J+ | 0.00015 | 0.00021 J+ | 1.5E-06 U | 9.6E-06 | 3.2E-05 | 0.0017 J+ | 0.005 J |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 5.33E-05 U | 0.000304 | 5.2E-05 U | 6.57E-05 U | 5.28E-05 U | 0.00017 UJ+ | 2.4E-05 U | 2.4E-05 U | 1.5E-06 U | 3.5E-06 U | 3.2E-06 U | 3.2E-05 U | 0.00016 UJ+ |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 5.33E-05 U | 0.000265 J+ | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 5.4E-05 UJ+ | 1.4E-05 U | 8.8E-06 U | 1.5E-06 U | 1.3E-06 U | 1.4E-06 U | 1.9E-05 U | 8.5E-05 UJ+ |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 1.37E-05 J | 0.00044 | 5.2E-05 U | 6.26E-05 | 5.28E-05 U | 0.00036 J+ | 3.1E-05 J | 4.7E-05 | 1.3E-06 U | 3.5E-06 J | 3.2E-06 J | 4E-05 J | 0.00035 J+ |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 2.13E-05 U | 0.000546 J+ | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 0.0016 J+ | 3.9E-05 J | 3.5E-05 J | 1.4E-06 U | 1E-06 U | 6.8E-06 J | 0.00017 J+ | 0.00036 J+ |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 5.33E-05 U | 0.000148 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 4.4E-05 UJ+ | 1.2E-05 U | 7.2E-05 | 1.3E-06 U | 1.1E-06 U | 1.2E-06 U | 1.6E-05 U | 7.1E-05 UJ+ |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 2.13E-05 U | 0.000455 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 5.9E-05 UJ+ | 1.7E-05 U | 0.00011 | 1.2E-06 U | 8.8E-07 U | 2E-06 U | 4.8E-05 UJ+ | 0.00014 UJ+ |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 1.39E-05 J | 0.000643 | 2.79E-05 J | 2.43E-05 J | 2.08E-05 J | 0.0028 | 0.00046 | 0.00013 | 6.1E-06 U | 5.8E-06 U | 1.8E-05 J | 2.9E-05 J | 4.6E-05 J+ |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 5.33E-05 U | 0.000386 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 5.7E-05 UJ+ | 1.7E-05 U | 9.3E-06 UJ+ | 1.4E-06 U | 1.2E-06 U | 1.4E-06 U | 5.8E-05 J+ | 0.00014 J+ |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 2.13E-05 U | 0.000625 J+ | 4.11E-06 J | 9.59E-06 J | 2.11E-05 U | 0.0041 J+ | 0.00052 | 0.0002 | 4.6E-06 J | 1.9E-05 J | 9.4E-05 | 0.006 J | 0.014 J |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 2.13E-05 U | 0.000386 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 6.4E-05 UJ+ | 1.8E-05 U | 7.6E-06 U | 1.3E-06 U | 9.4E-07 U | 2.1E-06 U | 5.2E-05 UJ+ | 0.00015 UJ+ |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 2.13E-05 U | 0.000622 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 6E-05 UJ+ | 1.7E-05 U | 0.0011 | 1.3E-06 U | 8.8E-07 U | 2E-06 U | 4.9E-05 UJ+ | 0.00014 UJ+ |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 2.13E-05 U | 0.000216 | 2.08E-05 U | 2.05E-05 U | 2.11E-05 U | 1.3E-05 U | 0.00011 U | 0.00012 | 5.1E-06 U | 4.9E-06 U | 3.8E-06 U | 8.2E-06 U | 1.7E-05 U |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 2.13E-05 U | 0.000684 | 5.36E-06 J | 2.05E-05 U | 2.11E-05 U | 0.00027 | 5.5E-05 J | 8.7E-05 | 3.1E-06 J | 1.8E-06 J | 1E-05 J | 1.3E-05 J | 5.9E-05 |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 5.33E-05 U | 0.00203 | 7.6E-06 J | 5.12E-05 U | 5.28E-05 U | 0.0045 J | 0.00031 J | 0.00013 | 5.8E-06 U | 5.4E-06 U | 4.9E-05 | 0.0018 | 0.0051 J |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 5.33E-05 U | 0.000416 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00052 | 0.0001 J | 5.3E-05 | 8.1E-06 J | 3E-06 J | 4.2E-05 J | 3.3E-05 J | 0.00014 |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.000605 J+ | 0.248 | 0.00188 J+ | 0.000508 J+ | 5.28E-05 J+ | 0.43 J | 0.02 | 0.077 | 7.9E-05 | 0.002 | 0.0016 | 0.0084 J | 0.016 J |
| PCB 107/124 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00076 J+ | 6.1E-05 J | 8.7E-05 | 2.8E-06 J | 6.2E-06 J | 9.1E-06 J | 8.8E-05 | 0.00085 J+ |
| PCB 108/124 | mg/kg | | | 3.82E-05 J | 0.000825 | 0.000104 U | 0.000136 | 4.49E-06 J | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.00117 | 0.00807 | 0.000166 J+ | 0.00425 | 0.000145 J+ | 0.024 J | 0.0022 | 0.0032 | 0.00011 | 0.00029 | 0.00026 | 0.0032 | 0.022 J |
| PCB 12/13 | mg/Kg | | | 5.33E-05 U | 0.00108 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.00047 | 0.00014 U | 0.00034 | 6.2E-06 U | 5.9E-06 U | 4.6E-06 U | 9.1E-05 | 0.00029 |
| PCB 128/166 | mg/Kg | | | 0.000213 | 0.00157 | 2.02E-05 J | 0.000818 | 1.04E-05 J | 0.005 | 0.00028 J | 0.00076 | 6.9E-06 J | 5.6E-05 J | 4.7E-05 J | 0.00065 | 0.0042 |
| PCB 129/138/163 | mg/Kg | | | 0.0011 | 0.00616 | 0.000103 J | 0.00418 | 6.55E-05 J | 0.03 J | 0.0018 | 0.0042 | 5.1E-05 J | 0.00035 | 0.0003 | 0.0048 | 0.024 |
| PCB 134/143 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00081 J+ | 8E-05 J | 0.00012 | 2.2E-06 J | 1.3E-05 J | 9.7E-06 J | 0.00015 | 0.00088 |
| PCB 135/151 | mg/Kg | | | 0.000195 J+ | 0.00197 | 3.61E-05 J | 0.000492 | 3E-05 J | 0.0046 | 0.00041 J | 0.00058 | 1.5E-05 J | 6.6E-05 J | 6E-05 J | 0.00098 | 0.0041 |
| PCB 139/140 | mg/Kg | | | 1.87E-05 J | 0.000682 | 0.000104 U | 5.87E-05 J | 0.000106 U | 0.00031 | 2.7E-05 J | 4.6E-05 J | 1.1E-06 U | 4E-06 J | 4.2E-06 J | 3.1E-05 J | 0.00031 |
| PCB 147/149 | mg/Kg | | | 0.000545 | 0.00307 | 6.83E-05 J | 0.0018 | 5.29E-05 J | 0.013 J | 0.0011 | 0.0017 | 4.3E-05 J | 0.00017 | 0.00016 | 0.0032 | 0.012 |
| PCB 153/168 | mg/Kg | | | 0.000701 | 0.00406 | 6.77E-05 J | 0.00277 | 4.15E-05 J | 0.022 J | 0.0013 | 0.0026 | 4.1E-05 J | 0.00022 | 0.0002 | 0.0037 | 0.015 |
| PCB 156/157 | mg/Kg | | | 0.000204 | 0.00211 | 2.55E-05 J | 0.000674 | 1.02E-05 J | 0.0043 J+ | 0.00026 | 0.0006 | 5.8E-06 J | 5.2E-05 | 4.6E-05 | 0.00047 | 0.0037 J+ |
| PCB 171/173 | mg/Kg | | | 4.09E-05 J | 0.00354 | 2.89E-05 J | 0.000102 J | 0.000106 U | 0.0026 | 0.00013 J | 0.00034 | 2.6E-06 J | 3.3E-05 J | 3.2E-05 J | 0.00082 | 0.002 |
| PCB 18/30 | mg/Kg | | | 4.12E-06 J | 0.000299 | 5.2E-05 U | 5.12E-05 U | 5.28E-05 U | 0.0017 | 0.00017 J | 4.2E-05 J | 2.7E-06 J | 5.3E-06 J | 3.7E-05 J | 0.00062 | 0.0023 |
| PCB 180/193 | mg/Kg | | | 0.000159 | 0.00356 | 3.83E-05 J | 0.000383 | 6.71E-06 J | 0.029 J | 0.0012 | 0.0027 | 2.6E-05 J | 0.00028 | 0.00028 | 0.0062 | 0.014 J |
| PCB 198/199 | mg/Kg | | | 2.68E-05 J | 0.00497 | 4.04E-05 J | 2.4E-05 J | 0.000106 U | 0.0062 | 0.00031 J | 0.00069 | 6.5E-06 J | 5.2E-05 J | 6.9E-05 J | 0.0014 | 0.0031 |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | HP1 | HP1 | HP1 | HP1 | HP1 | J2Landfill | J2Landfill | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | HP1-4 | HP1-5 | HP1-5 | HP1-6 | HP1-6 | J2-SS-1 | J2-SS-2 | J2-SS-3 | NE-B-1 | NE-B-2 | NE-B-3 | NE-B-4 | NE-B-5 |
| | | | Sample Name | HP1-4-2 | HP1-5-1 | HP1-5-2 | HP1-6-1 | HP1-6-2 | J2-SS-1_SS | J2-SS-2_SS | J2-SS-3_SS | NE-B-1_SS | NE-B-2_SS | NE-B-3_SS | NE-B-4_SS | NE-B-5_SS |
| | | | Start Depth | 1.9 | 0 | 1.9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2.5 | 1 | 2.5 | 1 | 2.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/21/2013 | 11/21/2013 | 11/22/2013 | 11/22/2013 | 11/22/2013 | 12/4/2013 | 12/4/2013 |
| | | | Parent Sample | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 3.97E-06 J | 0.000648 | 6.07E-06 J | 1.23E-05 J | 5.28E-05 U | 0.0073 | 0.00062 J | 0.00021 | 1.7E-05 J | 1.8E-05 J | 0.00016 | 0.0058 | 0.017 J |
| PCB 21/33 | mg/Kg | | | 5.33E-05 U | 0.000507 | 4.53E-06 J | 5.12E-05 U | 5.28E-05 U | 0.003 | 0.00019 J | 8.3E-05 | 8E-06 J | 6.8E-06 J | 7.7E-05 J | 0.0029 | 0.0061 J+ |
| PCB 26/29 | mg/Kg | | | 5.33E-05 U | 0.000712 | 3.61E-06 J | 5.12E-05 U | 5.28E-05 U | 0.00054 | 5.6E-05 J | 2.6E-05 J | 1.2E-06 U | 1.7E-06 J | 1.6E-05 J | 0.00054 | 0.0017 J+ |
| PCB 40/41/71 | mg/kg | | | 5.27E-05 J | 0.00147 J+ | 1.87E-05 J | 9.78E-05 J | 2.28E-05 J | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | -- | -- | -- | -- | -- | 0.0027 | 0.00044 J | 0.00014 | 9.4E-06 J | 1.8E-05 J | 5.9E-05 J | 0.0024 | 0.007 |
| PCB 43/73 | mg/kg | | | 5.33E-05 U | 0.000248 J+ | 5.2E-05 U | 1.85E-05 J | 5.28E-05 U | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.000245 J+ | 0.00144 J+ | 5.66E-05 J | 0.000268 J+ | 0.000106 J+ | 0.0062 | 0.0012 J | 0.00033 | 2.8E-05 J | 4E-05 J | 0.0001 J | 3.5E-06 U | 0.011 |
| PCB 45/51 | mg/kg | | | 8.26E-06 J | 0.000214 | 5.2E-05 U | 5.12E-05 U | 5.69E-06 J | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 0.000115 J+ | 0.000655 J+ | 1.46E-05 J | 9.6E-05 J | 4.58E-05 J | 0.0031 | 0.00066 J | 0.00016 | 1.4E-05 J | 1.4E-05 J | 5.1E-05 J | 0.0016 | 0.0055 |
| PCB 50/53 | mg/Kg | | | 1.26E-05 J | 0.000227 | 0.000104 U | 3.87E-06 J | 4.5E-06 J | 0.00053 | 8.7E-05 J | 2.1E-05 J | 2.2E-06 J | 5.6E-06 J | 1E-05 J | 0.00023 J+ | 0.0009 |
| PCB 59/62/75 | mg/Kg | | | 4.3E-06 J | 0.000728 J+ | 3.67E-06 J | 1.03E-05 J | 3.72E-06 J | 0.00039 | 5E-05 J | 2.2E-05 J | 1.4E-06 J | 2.8E-06 J | 1.1E-05 J | 0.00038 | 0.0012 |
| PCB 61/70/74/76 | mg/Kg | | | 0.000477 J+ | 0.00398 | 6.92E-05 J | 0.00178 | 0.000147 J | 0.0083 | 0.0014 J | 0.00086 | 7.6E-05 J | 6.4E-05 J | 0.00024 | 0.0094 | 0.028 J |
| PCB 83/99 | mg/kg | | | 0.000679 | 0.00381 | 9.51E-05 J | 0.00211 | 0.000111 J+ | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | 0.000315 J+ | 0.00457 | 6.86E-05 J | 0.00175 | 4.85E-05 J | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | -- | -- | -- | -- | -- | 0.003 J+ | 0.00029 J | 0.00034 | 1.2E-05 J | 2.5E-05 J | 3.3E-05 J | 0.00052 | 0.0034 J+ |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.000907 | 0.00583 | 0.000126 J | 0.00307 | 0.00013 J | 0.011 | 0.0013 J | 0.0013 | 6.4E-05 J | 0.00011 J | 0.00013 J | 0.0017 | 0.012 |
| PCB 88/91 | mg/Kg | | | 0.000165 J+ | 0.000818 | 3.08E-05 J | 0.000376 | 5.36E-05 J+ | 0.0014 J+ | 0.00031 J | 0.00015 | 1.1E-05 J | 1.9E-05 J | 2E-05 J | 0.00027 | 0.0015 J+ |
| PCB 90/101/113 | mg/Kg | | | 0.00133 | 0.00668 | 0.000192 J | 0.0034 | 0.000249 J+ | 0.015 J | 0.002 | 0.0016 | 9.8E-05 J | 0.00015 | 0.00017 | 0.0018 | 0.014 J |
| PCB 93/100 | mg/Kg | | | 0.000213 U | 0.000263 | 2.76E-06 J | 0.000205 U | 0.000211 U | 0.00019 UJ+ | 2.7E-05 U | 2.7E-05 U | 1.7E-06 U | 3.9E-06 U | 3.5E-06 U | 3.6E-05 U | 0.00017 UJ+ |
| PCB 98/102 | mg/Kg | | | 1.02E-05 J | 0.000155 J | 0.000208 U | 1.37E-05 J | 4.55E-06 J | 0.00017 UJ+ | 4E-05 J | 2.5E-05 U | 1.6E-06 U | 3.6E-06 U | 3.6E-06 J | 5.2E-05 J | 0.00024 J+ |
| Total Dichlorobiphenyl | mg/Kg | | | 1.39E-05 J | 0.00629 J | 4.02E-05 J | 2.43E-05 J | 2.08E-05 J | 0.011 | 0.00078 J | 0.00084 | 2.8E-05 U | 3.1E-05 U | 8.6E-05 J | 0.0026 J+ | 0.0076 J+ |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.000647 J | 0.0289 J | 0.00024 J | 0.00158 J | 2.62E-05 J | 0.082 | 0.0038 J | 0.0088 | 8.4E-05 J | 0.00091 J+ | 0.00091 J+ | 0.02 | 0.049 |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.00421 J | 0.0357 J | 0.000475 J | 0.0152 J | 0.00031 J | 0.11 | 0.0073 | 0.015 J+ | 0.00022 J | 0.0013 | 0.0011 | 0.019 | 0.088 |
| Total Monochlorobiphenyl | mg/Kg | | | 5.33E-05 U | 0.00144 | 5.36E-06 J | 5.12E-05 U | 5.28E-05 U | 0.00098 | 0.00018 J | 0.00016 J | 1.6E-05 J | 8.1E-06 J | 6E-05 J | 6E-05 J | 0.00047 |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.000276 J | 0.0609 | 0.000501 J | 5.53E-05 J | 8.78E-06 J | 0.026 | 0.0012 J | 0.0032 | 1.5E-05 J | 0.00015 J | 0.00022 J | 0.002 | 0.0034 |
| Total Octachlorobiphenyl | mg/Kg | | | 0.000134 J | 0.0304 | 0.000249 J | 0.000117 J | 0.000106 U | 0.028 | 0.0013 J | 0.0028 | 2.7E-05 J | 0.00023 J | 0.00031 J | 0.0056 | 0.011 J+ |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.00836 J | 0.0589 J | 0.00111 J | 0.0281 J | 0.00138 J | 0.11 J+ | 0.012 J+ | 0.013 | 0.00055 J+ | 0.0012 J+ | 0.0013 J+ | 0.016 J+ | 0.11 |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.00222 J | 0.0179 J | 0.000315 J | 0.00381 J | 0.000669 J | 0.048 | 0.0088 J+ | 0.0049 | 0.00025 J | 0.00032 J | 0.0011 J+ | 0.038 | 0.13 J+ |
| Total Trichlorobiphenyl | mg/Kg | | | 1.44E-05 J | 0.00693 J | 2.17E-05 J | 3.95E-05 J | 3.61E-06 J | 0.03 | 0.0026 J | 0.0024 | 5.8E-05 J | 7.5E-05 J | 0.00065 J+ | 0.025 | 0.063 |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.0165 J | 0.496 J | 0.00484 J | 0.0495 J | 0.00247 J | **0.88 J+** | 0.058 J+ | 0.13 J+ | 0.0013 J+ | 0.0061 J+ | 0.0073 J+ | 0.14 J+ | 0.48 J+ |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 6.67E-08 | 6.35E-05 J | 6.59E-09 J | 3E-07 | 4.47E-09 J | 4.9E-05 J | 1.7E-05 J | 9.1E-06 J | 2.6E-09 | 4.4E-07 | 3.3E-06 J | 7E-06 J | 4.1E-05 J |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 0.0667 | 63.5 J | 0.00659 J | 0.3 | 0.00447 J | 49 J | 17 J | 9.1 J | 0.0026 | 0.44 | 3.3 J | 7 J | 41 J |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | -- | -- | -- | -- | -- | -- | 1.7E-05 J | -- | -- | -- | 2.7E-06 J | -- | -- |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | -- | -- | -- | -- | -- | -- | 17 J | -- | -- | -- | 2.7 J | -- | -- |
| Total TEQ-PCB Congener Only | mg/Kg | | | 6.67E-08 | 6.35E-05 J | 6.59E-09 J | 3E-07 | 4.47E-09 J | 4.9E-05 J | 8.8E-08 | 9.1E-06 J | 2.6E-09 | 4.4E-07 | 6E-07 | 7E-06 J | 4.1E-05 J |
| Total TEQ-PCB Congener Only | pg/g | | | 0.0667 | 63.5 J | 0.00659 J | 0.3 | 0.00447 J | 49 J | 0.088 | 9.1 J | 0.0026 | 0.44 | 0.6 | 7 J | 41 J |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | NorthStorageArea | PondAreas | PondAreas | PondAreas | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NS-B-1 | NS-SS-1 | NS-SS-5 | P-B-1 | P-B-10 | P-B-11 | P-B-12 |
| | | | Sample Name | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 5.0-6.5 | NS-B-1 Waste Class | NS-SS-1_SS | NS-SS-5_SS | P-B-1_SS | P-B-10_SS | P-B-11_SS | P-B-12_SHALLOW |
| | | | Start Depth | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | End Depth | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 23 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/13/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/11/2013 | 12/11/2013 | 12/5/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.0046 J | 3.9E-07 U | 0.001 | 2.4E-06 J | -- | 0.029 | 0.00015 J | 0.00029 | 0.0058 | 0.0097 J | 0.022 J |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.0016 | 4.1E-07 U | 0.00081 | 1.9E-06 J | -- | 0.0037 | 9.5E-05 J | 0.00012 | 0.0026 | 0.0021 J+ | 0.0063 J |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.00051 | 2.9E-07 U | 0.00084 | 3.2E-06 J | -- | 0.042 | 0.00011 J | 0.00038 | 0.0043 | 0.011 J | 0.011 J |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.00017 | 3.8E-07 U | 0.00033 | 4.6E-07 U | -- | 0.002 | 2.3E-05 J | 3.8E-05 J | 0.00086 | 0.00078 J+ | 0.0021 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.0005 | 3.4E-07 U | 0.00055 | 1.1E-06 J | -- | 0.0086 | 4.4E-05 J | 8.3E-05 | 0.0021 | 0.0026 | 0.0048 J |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.00068 | 2.8E-07 U | 0.002 | 4.2E-06 J | -- | 0.0017 | 0.00025 J | 0.00065 | 0.0052 | 0.0066 J | 0.014 J |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 6.6E-05 | 2.3E-07 U | 0.00013 | 2.4E-07 U | -- | 0.0071 | 1.5E-05 J | 4.8E-05 | 0.00077 | 0.0016 | 0.0018 |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.00031 | 3.6E-07 U | 0.00051 | 1.9E-06 J | -- | 0.025 | 8.3E-05 J | 0.00023 | 0.0029 | 0.0071 J | 0.014 J |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 7E-05 | 2.6E-07 U | 0.00032 | 8E-07 J | -- | 0.0033 | 4E-05 J | 0.0001 | 0.0011 | 0.0012 | 0.0027 J+ |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 4.1E-05 | 2.3E-07 U | 0.00012 | 2.4E-07 U | -- | 0.0021 | 7.1E-06 J | 1.8E-05 J | 0.00041 | 0.00051 | 0.0011 |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 4.6E-05 | 2.3E-07 U | 0.0002 | 3.9E-07 J | -- | 0.0067 | 1.6E-05 J | 4.8E-05 | 0.00089 | 0.0016 | 0.0023 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.00021 | 2.6E-07 U | 0.002 | 3.2E-06 J | -- | 0.0021 | 0.00018 J | 0.00031 | 0.0054 | 0.0042 | 0.013 J |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 1.8E-05 J | 3.6E-07 U | 8.2E-05 | 5.5E-07 U | -- | 0.0029 | 8.2E-06 J | 2.4E-05 J | 0.00041 | 0.00064 | 0.001 |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.00011 | 2.6E-07 U | 0.0011 | 1.4E-06 J | -- | 0.0017 | 0.0001 J | 0.00019 | 0.003 | 0.0026 | 0.0034 J+ |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 4.6E-05 | 3.6E-07 U | 0.00037 | 6.6E-07 U | -- | 0.0028 | 9E-05 J | 0.00023 | 0.0011 | 0.004 J+ | 0.0036 J+ |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 2.1E-05 | 2.4E-07 U | 0.00018 | 3.7E-07 U | -- | 0.0016 | 1.5E-05 J | 2.4E-05 J | 0.0006 | 0.00062 | 0.0014 |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 1.7E-05 U | 3.4E-07 U | 6.7E-05 | 6.2E-07 U | -- | 0.00053 | 1.9E-05 J | 3.3E-05 J | 0.00014 U | 0.00067 J+ | 0.00074 J+ |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.00019 | 3.2E-07 U | 0.0018 | 4E-06 J | -- | 0.0013 | 0.00041 J | 0.0009 | 0.0051 | 0.019 J | 0.017 J |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 6.4E-05 J+ | 4.5E-07 U | 0.00057 J+ | 8E-07 U | -- | 0.001 J+ | 0.00014 J | 0.00037 J+ | 0.0017 J+ | 0.0074 J | 0.0064 J |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 3E-05 | 2.8E-07 U | 0.00015 | 2.8E-07 U | -- | 0.0021 | 1.3E-05 J | 2.4E-05 J | 0.00058 | 0.00071 | 0.0022 |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 3.4E-05 | 3.8E-07 U | 0.0003 | 5.7E-07 U | -- | 0.0019 | 2.1E-05 J | 3.4E-05 J | 0.00094 | 0.00081 | 0.002 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 1.6E-05 U | 3.2E-07 U | 5.6E-05 | 5.8E-07 U | -- | 0.001 | 1.2E-05 J | 2.8E-05 J | 0.00013 U | 0.00055 J+ | 0.00061 J+ |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 4.4E-05 | 2.7E-07 U | 0.0006 | 9.1E-07 J | -- | 0.0012 | 3.8E-05 J | 4.5E-05 | 0.0016 | 0.0011 | 0.0038 |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | 2.6E-05 UJ+ | 4.8E-07 U | 0.00014 J+ | 8.7E-07 U | -- | 0.00054 UJ+ | 4.4E-05 J | 9.1E-05 J+ | 0.00057 J+ | 0.0023 J+ | 0.0017 J+ |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 3.6E-05 | 2.1E-07 U | 0.00055 | 1E-06 J | -- | 0.00041 J | 0.00011 J | 0.00013 | 0.0014 | 0.0044 J | 0.0048 J |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 8.5E-05 J+ | 4E-07 U | 0.0011 J+ | 2.8E-06 J | -- | 0.00092 J+ | 0.00032 J | 0.00046 J+ | 0.003 J+ | 0.014 J | 0.012 J |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.0011 | 3.1E-07 U | 0.00067 | 1.5E-06 J | -- | 0.0042 | 4.9E-05 J | 5.6E-05 | 0.0021 | 0.0017 | 0.0052 J |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 4.1E-05 | 2.4E-07 U | 3.3E-05 | 2.5E-07 U | -- | 0.005 | 4.8E-06 J | 2.9E-05 J | 0.00045 | 0.00098 | 0.0011 |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 2.4E-05 | 2.1E-07 U | 4.7E-06 U | 2.9E-07 U | -- | 0.0012 | 5.1E-06 J | 1.3E-05 J | 0.00013 J | 0.00033 | 0.00033 J+ |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 2.4E-05 | 3.4E-07 U | 1.6E-05 J | 5.1E-07 U | -- | 0.0018 | 2.5E-06 J | 1.1E-05 J | 0.00016 J | 0.00033 | 0.00037 |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.00042 | 1.9E-07 U | 0.001 | 1.5E-06 J | -- | 0.0034 | 9.4E-05 J | 0.00016 | 0.0032 | 0.0029 | 0.0069 J |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 0.00011 | 2.8E-07 U | 0.0003 | 5.2E-07 U | -- | 0.0011 | 8.4E-05 J | 0.00021 | 0.00091 | 0.0041 J+ | 0.003 J+ |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 2.3E-05 | 2.7E-07 U | 2.5E-05 | 4.1E-07 U | -- | 0.0031 | 3.2E-06 J | 1.4E-05 J | 0.00025 | 0.00053 | 0.00064 |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 2.6E-05 | 2.3E-07 U | 0.00017 | 3.1E-07 U | -- | 0.00089 | 1.1E-05 J | 2.3E-05 J | 0.00057 | 3.6E-05 U | 0.0015 J+ |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.00024 | 3.5E-07 U | 0.0019 | 3.7E-06 J | -- | 0.0025 | 0.00013 J | 0.00016 | 0.0057 | 0.0035 | 0.012 J |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.00013 | 3E-07 U | 0.0011 | 5.5E-07 U | -- | 0.0034 | 0.00018 J | 0.00045 | 0.0034 | 0.0073 J | 0.0096 J |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 9.7E-05 | 3E-07 U | 0.00072 | 1.5E-06 J | -- | 0.0033 | 0.00014 J | 0.00031 | 0.0021 | 0.0061 J | 0.0067 J |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 2.5E-06 J | 2.6E-07 U | 1.5E-06 U | 3.9E-07 U | -- | 0.00049 | 7.8E-07 UJ | 2.1E-06 J | 4.2E-05 J | 3.7E-05 J | 9.7E-05 |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 7.6E-06 J | 2.7E-07 U | 1.4E-05 J | 3.9E-07 U | -- | 0.0017 | 2.6E-06 J | 1.2E-05 J | 0.00012 J | 0.00028 | 0.00035 |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 1.6E-05 U | 3.1E-07 U | 1.6E-05 U | 5.7E-07 U | -- | 0.00073 | 8.1E-06 UJ | 1.2E-05 U | 0.00013 U | 0.00028 UJ+ | 0.00019 UJ+ |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 2.4E-05 | 2.8E-07 U | 0.00022 | 5.2E-07 U | -- | 0.00088 | 4.1E-05 J | 6.9E-05 | 0.00069 | 0.0017 J+ | 0.002 J+ |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 1.4E-05 U | 2.8E-07 U | 1.4E-05 U | 5.1E-07 U | -- | 0.00081 | 7.2E-06 UJ | 1E-05 U | 0.00011 U | 0.00025 UJ+ | 0.00017 UJ+ |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 1E-05 U | 2E-07 U | 1E-05 U | 3.7E-07 U | -- | 0.00023 J | 5.2E-06 UJ | 7.6E-06 U | 8.1E-05 U | 0.00018 UJ+ | 0.00012 UJ+ |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 9.4E-06 U | 1.9E-07 U | 9.7E-06 U | 3.4E-07 U | -- | 0.00045 | 4.8E-06 UJ | 7.1E-06 U | 7.5E-05 U | 0.00017 UJ+ | 0.00011 UJ+ |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 2.1E-05 U | 3.8E-07 U | 6.5E-05 UJ+ | 6.8E-07 U | -- | 0.0011 | 1.9E-05 UJ | 4.2E-05 UJ+ | 0.00025 UJ+ | 0.00084 UJ+ | 0.00064 UJ+ |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | 7E-06 J | 3E-07 U | 8.3E-05 | 3.6E-07 U | -- | 0.00031 J | 1.2E-06 UJ | 1.3E-06 U | 1.5E-05 U | 3E-05 U | 0.00016 J+ |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 1.9E-05 J | 2.5E-07 U | 0.00025 | 4.1E-07 J | -- | 0.00044 | 1.2E-05 J | 2E-05 J | 0.00026 | 0.00073 | 0.001 |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 5.8E-05 | 3.6E-07 U | 0.00068 J+ | 1.5E-06 J | -- | 0.001 | 0.00021 J | 0.00036 | 0.0022 J+ | 0.0097 J | 0.0083 J |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 9.7E-06 U | 1.9E-07 U | 1E-05 U | 3.5E-07 U | -- | 0.00019 J | 5E-06 UJ | 7.2E-06 U | 7.7E-05 U | 0.00017 UJ+ | 0.00012 UJ+ |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 1.9E-05 U | 3.6E-07 U | 6.2E-05 UJ+ | 6.5E-07 U | -- | 0.00041 U | 1.8E-05 UJ | 4E-05 U | 0.00024 UJ+ | 0.0008 UJ+ | 0.0006 UJ+ |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.00021 | 6.7E-07 J | 0.0033 J | 7.8E-06 J | -- | 0.0022 | 0.0009 J | 0.0011 | 0.0093 J+ | 0.042 J | 0.035 J |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | 5.5E-07 U | 2.6E-07 U | 2.8E-05 | 3.2E-07 U | -- | 0.00027 J | 1.1E-06 UJ | 1.1E-06 U | 5.7E-05 J | 6E-05 | 0.00016 |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 1.8E-06 J | 2.5E-07 U | 2.1E-05 | 2.4E-07 U | -- | 0.00013 J | 4.9E-06 J | 2.4E-06 J | 4.6E-05 J | 0.00017 | 0.00015 |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | 4.5E-06 J | 2.6E-07 U | 0.00011 | 3.1E-07 U | -- | 0.00023 J | 3.7E-06 J | 1.1E-06 U | 7.3E-05 J | 0.00018 | 0.00029 |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | NorthStorageArea | PondAreas | PondAreas | PondAreas | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NS-B-1 | NS-SS-1 | NS-SS-5 | P-B-1 | P-B-10 | P-B-11 | P-B-12 |
| | | | Sample Name | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 5.0-6.5 | NS-B-1 Waste Class | NS-SS-1_SS | NS-SS-5_SS | P-B-1_SS | P-B-10_SS | P-B-11_SS | P-B-12_SHALLOW |
| | | | Start Depth | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | End Depth | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 23 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/13/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/11/2013 | 12/11/2013 | 12/5/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 5.8E-07 U | 2.7E-07 U | 4.5E-05 | 3.3E-07 U | -- | 8.6E-05 J | 1.7E-06 J | 1.2E-06 U | 1.4E-05 U | 7.7E-05 | 0.00012 |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 1.3E-05 J | 6.5E-07 U | 0.00016 | 1.1E-06 J | -- | 0.0011 | 2.2E-06 J | 5.2E-06 J | 5.3E-05 J | 2.4E-05 J | 0.0002 |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 1.9E-05 J | 2.5E-07 U | 3.3E-05 | 4.5E-07 U | -- | 0.0013 | 9.2E-06 J | 1.6E-05 J | 0.00014 J | 0.0005 J+ | 0.00042 J+ |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | 0.00065 | 3.6E-07 U | 0.0022 J | 5.7E-06 J | -- | 0.0021 | 0.0005 J | 0.0011 | 0.007 J+ | 0.033 J | 0.027 J |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 1.1E-05 U | 2.4E-07 U | 1E-05 U | 4.1E-07 U | -- | 0.00053 | 5.7E-06 UJ | 1.1E-05 U | 8.9E-05 U | 0.00017 UJ+ | 0.00013 UJ+ |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 1.7E-05 U | 3.2E-07 U | 5.4E-05 UJ+ | 5.6E-07 U | -- | 0.00037 J | 1.6E-05 UJ | 3.5E-05 U | 0.00021 U | 0.0007 UJ+ | 0.00053 UJ+ |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 1.3E-05 J | 2.3E-07 U | 0.00016 | 8.2E-07 J | -- | 0.00043 | 6.7E-06 J | 8.2E-06 J | 0.00016 J | 0.0002 | 0.0006 |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 1.8E-06 J | 2.3E-07 U | 1E-06 J | 2.3E-07 U | -- | 0.00015 J | 2.1E-06 J | 5.7E-07 J | 1.4E-05 J | 1.4E-05 J | 2.9E-05 J |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | 3.1E-06 J | 2.1E-07 U | 2.7E-05 | 2.6E-07 U | -- | 0.00013 J | 1.5E-06 J | 9.4E-07 U | 2.9E-05 J | 6E-05 | 9.4E-05 |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 1.2E-05 J | 4.6E-07 U | 0.00011 | 9.2E-07 J | -- | 0.00065 | 1.3E-06 UJ | 4E-06 J | 5.2E-05 J | 3.8E-05 J | 0.00017 |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.00013 | 1.2E-06 J | 0.0026 J | 7.8E-06 J | -- | 0.0021 | 0.00042 J | 0.0006 | 0.0078 | 0.031 J | 0.029 J |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 2.6E-07 U | 3E-07 U | 2.3E-06 J | 2.2E-07 U | -- | 3.3E-05 J | 3.3E-06 J | 5.6E-07 U | 6.8E-06 J | 5.1E-06 J | 1.1E-05 J |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 2.3E-06 J | 5.1E-07 U | 4.1E-05 | 5.5E-07 U | -- | 0.00017 J | 3.3E-06 J | 9.9E-07 U | 2E-05 J | 1.5E-05 J | 5.6E-05 |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 2.5E-05 | 4.5E-06 U | 5.4E-05 | 5.8E-06 U | -- | 0.0023 | 4.9E-06 UJ | 7.8E-06 U | 7.1E-05 U | 3.3E-05 U | 0.00018 J+ |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 0.00011 | 2.8E-07 U | 7.4E-05 | 3.6E-07 U | -- | 0.0046 | 9.3E-06 J | 4.1E-05 | 0.00059 | 0.0012 | 0.0013 |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 9.9E-05 | 5E-07 U | 8.2E-05 | 5.8E-07 U | -- | 0.0027 J+ | 1.3E-05 J | 5E-05 | 0.00038 | 0.00079 J+ | 0.001 J+ |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.00022 | 1.9E-07 U | 0.0004 | 4.6E-07 J | -- | 0.0026 | 4.6E-05 J | 0.00012 | 0.0011 | 0.0014 | 0.003 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 7.8E-05 | 1.9E-07 U | 9.5E-05 | 2.5E-07 U | -- | 0.0018 | 8.8E-06 J | 3E-05 J | 0.00032 | 0.0005 | 0.00084 |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.00023 | 2.1E-07 U | 0.00068 | 1.8E-06 J | -- | 0.0016 | 0.00015 J | 0.00043 | 0.002 | 0.0071 J | 0.0061 J |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.00069 J+ | 3.2E-07 U | 0.0022 J | 7.5E-06 | -- | 0.0028 J+ | 0.00036 J+ | 0.0021 J+ | 0.0068 J+ | 0.028 J | 0.026 J |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 1.6E-06 U | 2E-07 U | 4.3E-06 U | 2.6E-07 U | -- | 0.0012 | 1.2E-06 UJ | 1.3E-05 J | 1.8E-05 U | 0.00038 | 0.00019 |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 4.5E-06 U | 3.4E-07 U | 3.5E-05 | 3.2E-07 U | -- | 0.001 | 2.1E-06 UJ | 6.1E-06 U | 0.00021 | 0.00018 J+ | 0.00045 J+ |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 4.3E-06 U | 3.3E-07 U | 4.1E-05 | 3.1E-07 U | -- | 0.0013 | 5.9E-06 J | 2.9E-05 J | 0.00019 J | 0.00041 J+ | 0.00054 J+ |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 1.2E-05 U | 2.5E-07 U | 1.3E-05 U | 4.5E-07 U | -- | 0.00077 | 6.4E-06 UJ | 9.3E-06 U | 9.9E-05 U | 0.00022 UJ+ | 0.00015 UJ+ |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 1.1E-05 U | 2.2E-07 U | 1.1E-05 U | 3.9E-07 U | -- | 0.00073 | 5.6E-06 UJ | 8.1E-06 U | 8.6E-05 U | 0.00019 UJ+ | 0.00013 UJ+ |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 4.9E-05 | 2.4E-07 U | 0.00039 | 4.4E-07 U | -- | 0.0021 | 8.6E-05 J | 0.00022 | 0.0013 | 0.0036 J+ | 0.0039 J+ |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 1.7E-05 U | 3.1E-07 U | 5.3E-05 UJ+ | 5.5E-07 U | -- | 0.0031 | 1.5E-05 UJ | 3.4E-05 U | 0.0002 U | 0.00068 UJ+ | 0.00051 UJ+ |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 1.7E-05 U | 3.1E-07 U | 5.4E-05 UJ+ | 5.6E-07 U | -- | 0.00038 J | 1.5E-05 UJ | 5.2E-05 | 0.00021 U | 0.00069 UJ+ | 0.00052 UJ+ |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | 4.1E-05 | 2.6E-07 U | 0.00024 J+ | 4.7E-07 U | -- | 0.0018 | 6.1E-05 J | 0.00024 | 0.00087 | 0.0032 J+ | 0.0033 J+ |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 3.5E-06 U | 2.9E-07 U | 8.3E-06 UJ | 4.1E-07 U | -- | 0.0004 J | 2.2E-06 UJ | 6.2E-06 U | 5.7E-05 U | 6.8E-05 UJ+ | 0.00015 UJ+ |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 5.7E-05 | 3.2E-07 U | 0.00044 | 1.6E-06 J | -- | 0.0016 | 2.6E-05 J | 0.00017 | 0.0008 | 0.0017 J+ | 0.0035 J+ |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 1.2E-05 U | 2.5E-07 U | 1.3E-05 U | 4.5E-07 U | -- | 0.00049 | 6.4E-06 UJ | 9.3E-06 U | 9.9E-05 U | 0.00022 UJ+ | 0.00015 UJ+ |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 1.3E-05 U | 2.5E-07 U | 4.3E-05 UJ+ | 4.5E-07 U | -- | 0.00066 | 1.2E-05 UJ | 2.7E-05 U | 0.00017 U | 0.00055 UJ+ | 0.00042 UJ+ |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 1.3E-05 U | 2.4E-07 U | 4.1E-05 UJ+ | 4.3E-07 U | -- | 0.00027 U | 1.2E-05 UJ | 2.6E-05 U | 0.00016 U | 0.00053 UJ+ | 0.0004 UJ+ |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 3.5E-06 U | 2.9E-07 U | 8.2E-06 U | 4E-07 U | -- | 0.00037 J | 2.2E-06 UJ | 6.1E-06 U | 5.6E-05 U | 6.6E-05 UJ+ | 0.00015 UJ+ |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 3.5E-06 U | 2.9E-07 U | 8.2E-06 U | 4.1E-07 U | -- | 0.00027 J | 2.2E-06 UJ | 6.2E-06 U | 5.6E-05 U | 0.0011 J+ | 0.00015 UJ+ |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.00024 J+ | 3.2E-07 U | 0.00029 J+ | 8.6E-07 J | -- | 0.0025 J+ | 6.9E-05 J | 0.00025 J+ | 0.00092 J+ | 0.0033 J+ | 0.0029 J+ |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 5.9E-05 J+ | 3.2E-07 U | 9E-05 J+ | 5.4E-07 U | -- | 0.001 J+ | 1.8E-05 J+ | 7.9E-05 J+ | 0.00038 J+ | 0.00094 J+ | 0.0011 J+ |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.002 J+ | 1.1E-06 J | 0.0044 J | 1.4E-05 | -- | 0.0047 J+ | 0.00082 J+ | 0.0041 J | 0.015 J+ | 0.051 J | 0.057 J |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 5.4E-05 J+ | 3.1E-07 U | 5.2E-05 UJ+ | 5.5E-07 U | -- | 0.00033 UJ+ | 1.4E-05 UJ+ | 5.2E-05 J+ | 0.00022 J+ | 0.00085 J+ | 0.00077 J+ |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | 0.00068 | 1.1E-06 J | -- | -- | -- | -- | -- | -- | 0.018 | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 0.00018 | 3E-07 U | 0.00022 | 4.3E-07 U | -- | 0.00071 | 1.3E-05 J | 7E-05 | 0.00035 | 0.00082 J+ | 0.0016 J+ |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.00081 | 8.2E-07 J | 0.001 | 3E-06 J | -- | 0.0026 | 6.5E-05 J+ | 0.00045 | 0.0024 | 0.0058 J | 0.0096 J |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 1.4E-05 U | 2.7E-07 U | 4.5E-05 UJ+ | 4.8E-07 U | -- | 0.00083 | 1.3E-05 UJ | 2.9E-05 U | 0.00018 U | 0.00059 UJ+ | 0.00044 UJ+ |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 1.3E-05 U | 2.5E-07 U | 4.3E-05 UJ+ | 4.5E-07 U | -- | 0.00041 J | 1.2E-05 UJ | 2.7E-05 U | 0.00016 U | 0.00055 UJ+ | 0.00041 UJ+ |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 8.2E-06 J | 2.7E-07 U | 3.1E-05 | 3.8E-07 U | -- | 0.00047 | 3E-06 J | 1.1E-05 J | 8.7E-05 J | 0.00014 J+ | 0.00035 J+ |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 6.5E-06 J | 2.7E-07 U | 2.1E-05 | 3.8E-07 U | -- | 0.00044 | 2E-06 UJ | 5.7E-06 U | 6.2E-05 J | 6.2E-05 UJ+ | 0.00018 J+ |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 3.1E-06 U | 2.6E-07 U | 7.3E-06 U | 3.6E-07 U | -- | 0.00048 | 1.9E-06 UJ | 5.5E-06 U | 5.2E-05 J | 7E-05 J+ | 0.00013 UJ+ |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 4.7E-05 | 3.1E-07 J | 0.00055 | 1.6E-06 J | -- | 0.00054 | 3.9E-05 J | 8.5E-05 | 0.0008 | 0.0032 | 0.0034 |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 3.6E-05 | 3.6E-07 U | 0.00024 | 8.6E-07 J | -- | 0.002 | 5.4E-06 J | 1.4E-05 J | 9.1E-05 J | 5.2E-05 | 0.00046 J+ |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 1.2E-05 J | 3.2E-07 U | 3.1E-05 | 3E-07 U | -- | 0.00055 | 1.3E-06 J | 3.7E-06 J | 4.1E-05 J | 3.6E-05 J | 0.00016 J+ |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 3.4E-06 U | 2.8E-07 U | 7.9E-06 U | 3.9E-07 U | -- | 0.00064 | 2.1E-06 UJ | 5.9E-06 U | 6.7E-05 J | 8.3E-05 J+ | 0.00015 UJ+ |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | 3.8E-07 U | 1.8E-07 U | 1.2E-06 U | 2.2E-07 U | -- | 0.00014 J | 7.4E-07 UJ | 7.9E-07 U | 9.2E-06 U | 4.2E-05 J+ | 5.3E-05 |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 3.3E-06 U | 3.1E-07 U | 8.5E-06 U | 2.9E-07 U | -- | 0.00023 U | 1E-06 UJ | 1.7E-06 U | 1.5E-05 U | 1.3E-05 U | 4.1E-05 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | NorthStorageArea | PondAreas | PondAreas | PondAreas | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NS-B-1 | NS-SS-1 | NS-SS-5 | P-B-1 | P-B-10 | P-B-11 | P-B-12 |
| | | | Sample Name | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 5.0-6.5 | NS-B-1 Waste Class | NS-SS-1_SS | NS-SS-5_SS | P-B-1_SS | P-B-10_SS | P-B-11_SS | P-B-12_SHALLOW |
| | | | Start Depth | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | End Depth | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 23 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/13/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/11/2013 | 12/11/2013 | 12/5/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 3.4E-06 U | 3.2E-07 U | 8.8E-06 U | 3E-07 U | -- | 0.00034 J | 1.1E-06 UJ | 1.8E-06 U | 1.9E-05 J | 1.4E-05 U | 4.8E-05 J+ |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 7.6E-07 J | 3.4E-07 U | 4.1E-06 J | 3.7E-07 U | -- | 0.00018 J | 9.5E-07 UJ | 5.4E-07 U | 1.2E-05 J | 5.7E-06 J | 3.8E-05 J |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 1.3E-06 J | 3.4E-07 U | 2.7E-05 | 3.7E-07 U | -- | 0.00018 J | 9.6E-07 UJ | 8.7E-07 J | 1.6E-05 J | 1.7E-05 J | 4.9E-05 |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 2.7E-06 U | 1.7E-06 U | 5.3E-06 J | 2E-06 U | -- | 0.00025 J | 6.3E-06 UJ | 2.5E-06 U | 3.6E-05 U | 2E-05 U | 2.9E-05 J |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 2.1E-05 | 1.7E-06 U | 3.7E-05 | 2E-06 U | -- | 0.0021 | 6.3E-06 UJ | 2.5E-06 U | 4E-05 J | 2E-05 U | 0.00015 |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 0.0001 | 5.9E-07 J | 0.00047 | 2E-06 J | -- | 0.005 | 1.3E-05 J | 4E-05 J | 0.00025 | 0.00014 | 0.0013 |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 5.1E-06 J | 2.7E-07 U | 8.8E-05 | 4.8E-07 J | -- | 0.00036 J | 1E-06 J | 2.5E-06 J | 3.7E-05 J | 3.8E-05 J | 0.00014 |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 4.2E-06 J | 1.6E-06 U | 3.3E-06 J | 1.8E-06 U | -- | 0.00025 J | 5.9E-06 UJ | 2.3E-06 U | 3.4E-05 U | 1.9E-05 U | 1.9E-05 J |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 9.6E-05 | 1.7E-06 U | 0.00013 | 1.9E-06 U | -- | 0.0063 | 1.6E-05 J | 2.1E-05 J | 0.00011 J | 4.8E-05 | 0.00037 |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 1E-05 J | 1.8E-06 U | 1.3E-05 J | 2.1E-06 U | -- | 0.00074 | 6.7E-06 UJ | 2.7E-06 U | 3.8E-05 U | 2.1E-05 U | 2.9E-05 J |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 2E-06 U | 3.2E-06 U | 3E-06 U | 4E-06 U | -- | 8.6E-05 J | 2.7E-06 UJ | 4.2E-06 U | 4.2E-05 U | 2.2E-05 U | 1.8E-05 U |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 5.4E-05 | 2.2E-07 U | 3.6E-05 | 2.5E-07 U | -- | 0.0016 | 1.6E-05 J | 9E-06 J | 3.7E-05 J | 1.4E-05 J | 9.6E-05 |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 5E-06 UJ+ | 3.7E-07 U | 1.2E-05 J+ | 3.5E-07 U | -- | 0.00043 J+ | 2.4E-06 UJ | 6.3E-06 UJ+ | 4.2E-05 UJ+ | 0.00012 UJ+ | 0.00012 J+ |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 3.3E-05 J+ | 3.8E-07 U | 7.8E-05 J+ | 6.4E-07 U | -- | 0.00087 J+ | 1.8E-05 UJ+ | 3.4E-05 UJ+ | 0.00028 J+ | 0.00088 J+ | 0.0006 UJ+ |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 0.00017 J+ | 4.1E-07 U | 0.00025 J+ | 5.6E-07 U | -- | 0.0011 J+ | 2E-05 J | 0.00012 J+ | 0.00035 J+ | 0.00082 J+ | 0.00085 J+ |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 1.6E-05 U | 3.1E-07 U | 5.2E-05 UJ+ | 5.5E-07 U | -- | 0.00068 | 1.5E-05 UJ | 3.4E-05 U | 0.0002 U | 0.00068 UJ+ | 0.00051 UJ+ |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 4E-06 U | 3.2E-07 U | 9.3E-06 U | 4.6E-07 U | -- | 0.00061 | 2.5E-06 UJ | 7E-06 U | 6.3E-05 U | 0.00024 J+ | 0.00017 UJ+ |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 3.4E-06 U | 2.8E-07 U | 1.6E-05 J | 4E-07 U | -- | 0.0008 | 2.3E-05 J | 7.4E-05 | 0.00029 | 0.0011 J+ | 0.0011 J+ |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 1.6E-05 J | 2.2E-06 J | 2.8E-05 | 3.5E-07 U | -- | 0.001 | 1.9E-06 J | 9E-06 J | 8.8E-05 J | 7.7E-05 | 0.00028 J+ |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 3.3E-06 U | 2.7E-07 U | 7.7E-06 U | 3.8E-07 U | -- | 0.00038 J | 2E-06 UJ | 5.8E-06 U | 5.3E-05 U | 6.3E-05 UJ+ | 0.00014 UJ+ |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 3.5E-06 U | 3.3E-07 U | 9E-06 U | 3.1E-07 U | -- | 0.00059 | 1.1E-06 UJ | 1.8E-06 U | 5.4E-05 J | 1.4E-05 J | 0.00016 J+ |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 2E-05 J | 9.3E-06 J | 3.7E-05 | 6E-06 J | -- | 0.0011 | 1.1E-05 J | 1.5E-05 J | 0.0001 J | 6.2E-05 | 0.0002 |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 1.5E-05 J+ | 3.9E-07 U | 1.1E-05 UJ+ | 5.6E-07 U | -- | 0.00071 J+ | 2.5E-06 UJ | 6.4E-06 UJ+ | 6.6E-05 UJ+ | 9.3E-05 UJ+ | 0.00016 UJ+ |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 0.00043 | 4.5E-07 U | 0.00046 | 1.5E-06 J | -- | 0.0039 | 2.1E-05 J | 4.8E-05 | 0.00026 | 0.00032 | 0.00097 J+ |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 3.7E-06 U | 3.5E-07 U | 9.6E-06 U | 3.3E-07 U | -- | 0.00042 J | 1.2E-06 UJ | 2E-06 U | 1.7E-05 U | 1.5E-05 U | 4.7E-05 UJ+ |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 3.5E-06 U | 3.3E-07 U | 9.1E-06 U | 3.1E-07 U | -- | 0.0012 | 1.1E-06 UJ | 1.9E-06 U | 4.6E-05 J | 5.3E-05 | 0.0002 J+ |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 2.4E-06 U | 1.5E-06 U | 2.2E-06 U | 1.7E-06 U | -- | 0.00025 J | 5.5E-06 UJ | 2.2E-06 U | 3.1E-05 U | 1.7E-05 U | 3.1E-05 J |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 2.9E-05 | 2.3E-07 U | 3.1E-05 | 2.5E-07 U | -- | 0.0014 | 6E-06 J | 9.5E-06 J | 4.1E-05 J | 2.1E-05 J | 8.9E-05 |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.00065 | 2E-06 U | 0.0003 | 2.3E-06 U | -- | 0.0038 | 2.6E-05 J | 4.2E-05 | 0.00061 | 0.00055 | 0.0012 |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 8.7E-05 | 2.4E-07 U | 4.1E-05 | 2.6E-07 U | -- | 0.0016 | 3.8E-05 J | 1.7E-05 J | 0.00014 J | 5.2E-05 | 0.00021 |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | 0.0046 UJ | -- | -- | -- | -- | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | 0.0046 UJ | -- | -- | -- | -- | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | 0.0046 UJ | -- | -- | -- | -- | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | 0.0046 UJ | -- | -- | -- | -- | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | 0.0046 UJ | -- | -- | -- | -- | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | 0.0029 U | -- | -- | -- | -- | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | 0.0029 U | -- | -- | -- | -- | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.026 J | 7.4E-06 J | 0.043 J | 0.00024 | -- | 0.34 J | 0.0022 J | 0.004 | 0.15 J | 0.56 J | 0.51 J |
| PCB 107/124 | mg/Kg | | | 2.6E-05 J | 2.8E-07 U | 0.00013 J+ | 5E-07 U | -- | 0.0011 | 3.4E-05 J | 0.00015 | 0.0005 | 0.0021 J+ | 0.0019 J+ |
| PCB 108/124 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.00068 | 1.1E-06 J | 0.006 J | 1.7E-05 J | -- | 0.008 | 0.0014 J | 0.0038 | 0.018 | 0.08 J | 0.064 J |
| PCB 12/13 | mg/Kg | | | 5.2E-05 | 1.8E-06 U | 5.3E-05 | 2.1E-06 U | -- | 0.0035 | 1.2E-05 J | 1.7E-05 J | 0.00016 J | 9.5E-05 | 0.00043 |
| PCB 128/166 | mg/Kg | | | 0.00021 | 2.7E-07 U | 0.001 | 3.3E-06 J | -- | 0.0013 | 0.00023 J | 0.00073 | 0.003 | 0.013 J | 0.0098 J |
| PCB 129/138/163 | mg/Kg | | | 0.0015 | 1.4E-06 J | 0.0065 J | 1.9E-05 J | -- | 0.0051 | 0.0013 J | 0.0037 | 0.02 | 0.064 J | 0.059 J |
| PCB 134/143 | mg/Kg | | | 2.9E-05 J | 3.2E-07 U | 0.00023 | 5.9E-07 U | -- | 0.00065 J | 6.1E-05 J | 0.00011 | 0.00069 | 0.0023 J+ | 0.0023 J+ |
| PCB 135/151 | mg/Kg | | | 0.00011 | 2.9E-07 U | 0.0014 | 3.1E-06 J | -- | 0.0017 | 0.00024 J | 0.00036 | 0.0043 | 0.0092 J | 0.012 J |
| PCB 139/140 | mg/Kg | | | 3E-05 J | 2.7E-07 U | 8.6E-05 | 5E-07 U | -- | 0.0011 | 2.3E-05 J | 3.9E-05 J | 0.00027 J | 0.0011 J+ | 0.001 J+ |
| PCB 147/149 | mg/Kg | | | 0.00035 | 1E-06 J | 0.0039 | 8E-06 J | -- | 0.0026 | 0.0007 J | 0.0012 | 0.011 | 0.03 J | 0.033 J |
| PCB 153/168 | mg/Kg | | | 0.002 | 8.7E-07 J | 0.0044 J | 1.1E-05 J | -- | 0.0032 | 0.00079 J | 0.0019 | 0.015 | 0.038 J | 0.04 J |
| PCB 156/157 | mg/Kg | | | 0.00044 J+ | 4E-07 U | 0.00087 J+ | 2.7E-06 J | -- | 0.0026 J+ | 0.00022 J | 0.00085 | 0.0027 J+ | 0.01 J | 0.0093 J |
| PCB 171/173 | mg/Kg | | | 0.00016 | 2.5E-07 U | 0.00059 | 8.3E-07 J | -- | 0.0065 | 7.1E-05 J | 0.00018 | 0.002 | 0.0028 | 0.005 |
| PCB 18/30 | mg/Kg | | | 1.5E-05 J | 3.9E-07 U | 0.00018 | 1.7E-06 J | -- | 0.0017 | 4.5E-06 J | 9.5E-06 J | 0.00011 J | 7.5E-05 J | 0.00037 |
| PCB 180/193 | mg/Kg | | | 0.0028 | 7.7E-07 J | 0.0046 J | 8.4E-06 J | -- | 0.012 | 0.00043 J | 0.00085 | 0.013 | 0.011 J | 0.03 J |
| PCB 198/199 | mg/Kg | | | 0.00031 | 3.5E-07 U | 0.0011 | 2.1E-06 J | -- | 0.0096 | 7.1E-05 J | 0.00011 | 0.0034 | 0.0031 | 0.011 J |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty | NorthStorageArea | NorthStorageArea | NorthStorageArea | PondAreas | PondAreas | PondAreas | PondAreas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-6 | NE-B-6 | NE-B-7 | NE-B-7 | NS-B-1 | NS-SS-1 | NS-SS-5 | P-B-1 | P-B-10 | P-B-11 | P-B-12 |
| | | | Sample Name | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 | NE-B-7 5.0-6.5 | NS-B-1 Waste Class | NS-SS-1_SS | NS-SS-5_SS | P-B-1_SS | P-B-10_SS | P-B-11_SS | P-B-12_SHALLOW |
| | | | Start Depth | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | | End Depth | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 23 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/20/2014 | 3/20/2014 | 3/20/2014 | 3/20/2014 | 11/13/2013 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 12/11/2013 | 12/11/2013 | 12/5/2013 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 0.00076 | 1.2E-06 J | 0.00067 | 2.9E-06 J | -- | 0.0022 | 1.5E-05 J | 4.2E-05 J | 0.00043 | 0.0003 | 0.0014 |
| PCB 21/33 | mg/Kg | | | 4.6E-05 | 3.5E-07 J | 0.00026 | 1.1E-06 J | -- | 0.0036 | 7E-06 J | 1.8E-05 J | 0.00012 J | 5.3E-05 J | 0.00049 |
| PCB 26/29 | mg/Kg | | | 1.1E-05 J | 3.2E-07 U | 7.1E-05 | 4E-07 J | -- | 0.0011 | 2.3E-06 J | 7.7E-06 J | 6.5E-05 J | 3.9E-05 J | 0.00027 |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | 3.2E-05 J | 5E-07 J | 0.00047 | 1.4E-06 J | -- | 0.0026 | 2.5E-05 J | 5.2E-05 J | 0.00058 | 0.0015 | 0.0022 |
| PCB 43/73 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.00022 | 8E-07 J | 0.0013 | 5.1E-06 J | -- | 0.0018 | 0.00014 J | 0.00025 | 0.0029 | 0.011 | 0.011 |
| PCB 45/51 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 5.1E-05 | 4.8E-07 J | 0.00062 | 1.6E-06 J | -- | 0.0011 | 6.5E-05 J | 0.00011 | 0.0014 | 0.0047 | 0.0055 |
| PCB 50/53 | mg/Kg | | | 5.6E-06 J | 2.1E-07 U | 0.00011 | 2.6E-07 U | -- | 0.00031 J | 1E-05 J | 6.6E-06 J | 0.00016 J | 0.00049 | 0.00057 |
| PCB 59/62/75 | mg/Kg | | | 1.9E-05 J | 1.7E-07 U | 7.7E-05 | 2.1E-07 U | -- | 0.0011 J | 2.7E-06 J | 6.9E-06 J | 0.00014 J | 0.00013 | 0.00048 |
| PCB 61/70/74/76 | mg/Kg | | | 0.00076 | 1.3E-06 J | 0.0024 | 7E-06 J | -- | 0.0057 | 0.00025 J | 0.0014 | 0.0062 | 0.0099 | 0.028 J |
| PCB 83/99 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | 0.00018 | 3E-07 U | 0.00074 | 2.2E-06 J | -- | 0.0028 | 0.00016 J | 0.00041 | 0.0023 | 0.011 J+ | 0.0093 J+ |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.00035 | 3.1E-07 U | 0.0029 | 7.2E-06 J | -- | 0.0053 | 0.00073 J | 0.0019 | 0.0096 | 0.041 J | 0.035 J |
| PCB 88/91 | mg/Kg | | | 3.5E-05 J | 3.4E-07 U | 0.0005 J+ | 1.1E-06 J | -- | 0.0011 | 0.00013 J | 0.00017 | 0.0014 | 0.0069 J+ | 0.0054 J+ |
| PCB 90/101/113 | mg/Kg | | | 0.00043 | 7.6E-07 J | 0.0042 | 1.2E-05 J | -- | 0.0042 | 0.0011 J | 0.0023 | 0.014 | 0.059 J | 0.052 J |
| PCB 93/100 | mg/Kg | | | 1.8E-05 U | 3.4E-07 U | 5.9E-05 UJ+ | 6.1E-07 U | -- | 0.00066 J | 1.7E-05 UJ | 3.7E-05 U | 0.00023 U | 0.00076 UJ+ | 0.00057 UJ+ |
| PCB 98/102 | mg/Kg | | | 1.7E-05 U | 3.2E-07 U | 5.8E-05 J+ | 5.7E-07 U | -- | 0.00058 J | 1.6E-05 J | 3.5E-05 U | 0.00026 J | 0.00075 J+ | 0.00056 J+ |
| Total Dichlorobiphenyl | mg/Kg | | | 0.00088 | 9.3E-06 J | 0.00063 | 6E-06 J | -- | 0.021 | 6.4E-05 J | 9.5E-05 J | 0.001 J | 0.00075 | 0.0026 J+ |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.0053 | 7.7E-07 J | 0.016 | 2.5E-05 J | -- | 0.058 | 0.0015 J+ | 0.003 J+ | 0.045 | 0.042 J+ | 0.1 J+ |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.0058 | 3.2E-06 J | 0.025 | 5.5E-05 J | -- | 0.048 | 0.005 J | 0.012 | 0.076 | 0.23 | 0.23 J+ |
| Total Monochlorobiphenyl | mg/Kg | | | 0.00017 J | 2.4E-07 U | 0.00011 J | 2.6E-07 U | -- | 0.0046 | 5.9E-05 J | 3.6E-05 J | 0.00022 J | 8.8E-05 J | 0.0004 J |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.0054 | 3.9E-07 U | 0.0024 | 7.5E-06 J | -- | 0.095 | 0.00034 J | 0.00091 | 0.013 | 0.028 | 0.047 |
| Total Octachlorobiphenyl | mg/Kg | | | 0.004 | 4.1E-07 U | 0.0042 | 7E-06 J | -- | 0.056 | 0.00035 J | 0.00061 | 0.015 | 0.017 | 0.039 |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.0056 | 3.6E-06 J | 0.03 J | 7.8E-05 J | -- | 0.05 | 0.0069 J+ | 0.019 | 0.094 | 0.4 J+ | 0.35 J+ |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.0026 | 5.4E-06 J | 0.011 J | 3E-05 J | -- | 0.029 | 0.0011 J+ | 0.0034 | 0.025 | 0.075 J+ | 0.1 |
| Total Trichlorobiphenyl | mg/Kg | | | 0.0015 | 4.3E-06 J | 0.0029 | 1.3E-05 J | -- | 0.026 | 7.7E-05 J | 0.00021 J | 0.0018 J | 0.0013 J+ | 0.0068 |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.057 | 3.4E-05 J | 0.13 J | 0.00047 J | 0.0029 U | 0.73 | 0.018 J+ | 0.043 J+ | 0.42 | **1.4 J+** | **1.4 J+** |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 2.9E-05 J | 8.7E-08 J | 5E-05 J | 1.3E-07 J | -- | **0.0081 J** | 1.1E-05 J | 2.3E-07 J | 0.0005 J | 9.1E-05 J | 0.0011 |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 29 J | 0.087 J | 50 J | 0.13 J | -- | **8100 J** | 11 J | 0.23 J | 500 J | 91 J | 1100 |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 2.6E-05 | 8.7E-08 J | 4.1E-05 | 1.3E-07 J | -- | **0.008 J** | 1.1E-05 J | -- | 0.000473 J | -- | 0.0011 |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 26 | 0.087 J | 41 | 0.13 J | -- | **8000 J** | 11 J | -- | 473 J | -- | 1100 |
| Total TEQ-PCB Congener Only | mg/Kg | | | 3.4E-06 J | 3.3E-11 J | 8.4E-06 J | 7.6E-10 J | -- | 0.0001 J | 4.8E-08 J | 2.3E-07 J | 2.9E-05 J | 9.1E-05 J | 6.6E-06 J |
| Total TEQ-PCB Congener Only | pg/g | | | 3.4 J | 3.3E-05 J | 8.4 J | 0.00076 J | -- | 100 J | 0.048 J | 0.23 J | 29 J | 91 J | 6.6 J |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-2 | P-B-3 | P-B-4 | P-B-5 | P-B-6 | P-B-7 | P-B-7 | PA-SS-1 | PA-SS-10 | PA-SS-10 | PA-SS-11 | PA-SS-2 | PA-SS-2 |
| | | | Sample Name | P-B-2_SS | P-B-3_SS | P-B-4_SS | P-B-5_SS | P-B-6_SS | P-B-7_SS | P-B-7_SS DUP | PA-SS-1_SS | PA-SS-10_SS | PA-SS-10_SS DUP | PA-SS-11_SS | PA-SS-2_SS | PA-SS-2_SS DUP |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/18/2013 | 11/18/2013 | 12/3/2013 | 12/2/2013 | 11/15/2013 | 12/2/2013 | 12/2/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 |
| | | | Parent Sample | | | | | | | P-B-7_SS_12/02/13 | | | PA-SS-10_SS_12/13/13 | | | PA-SS-2_SS_12/13/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.0036 | 0.00088 | 0.00075 | 2.3E-05 J | 0.00011 | 0.00062 J+ | 0.0017 J | 0.0063 | -- | -- | -- | 0.0031 | 0.0025 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.00093 | 0.0004 | 0.00019 J | 1.4E-05 J | 0.00011 | 0.00074 | 0.0013 | 0.0017 | -- | -- | -- | 0.004 | 0.0065 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.0053 J | 0.0012 | 0.0008 | 2.9E-05 J | 0.00013 | 0.00086 | 0.0022 | 0.0051 | -- | -- | -- | 0.0018 | 0.0013 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.00034 | 0.00013 | 3.8E-05 J | 4.2E-06 J | 3.7E-05 J | 0.0002 J | 0.0004 J | 0.00037 J | -- | -- | -- | 0.0018 | 0.002 |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.00099 | 0.00033 | 0.00013 J | 8.1E-06 J | 4.6E-05 | 0.00031 J | 0.00061 | 0.0012 | -- | -- | -- | 0.0028 | 0.0022 |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.002 | 0.0022 | 0.00021 J | 6.1E-05 | 0.00033 | 0.0056 | 0.0089 | 0.0022 | -- | -- | -- | 0.014 J | 0.016 |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 0.00075 | 0.0002 | 9.1E-05 J | 3.4E-06 J | 1.7E-05 J | 9.3E-05 J | 0.00024 J | 0.00076 | -- | -- | -- | 0.00028 J | 0.00016 J |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.0031 | 0.00073 | 0.00054 | 1.8E-05 J | 8.7E-05 | 0.00058 J+ | 0.0015 J | 0.0036 | -- | -- | -- | 0.0014 | 0.0013 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 0.00062 | 0.00034 | 8.3E-05 J | 6.9E-06 J | 5E-05 | 0.0006 | 0.00095 | 0.00058 | -- | -- | -- | 0.0018 | 0.0019 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 0.00023 | 6.8E-05 | 2.3E-05 J | 1.6E-06 J | 8.4E-06 J | 4.7E-05 J | 0.0001 J | 0.00024 J | -- | -- | -- | 0.00071 J | 0.00044 J |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 0.00071 | 0.0002 | 9.1E-05 J | 4.7E-06 J | 1.9E-05 J | 9.5E-05 J | 0.00027 J | 0.00078 | -- | -- | -- | 0.00069 J | 0.00036 J |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.0011 | 0.0012 | 0.00017 J | 2.8E-05 J | 0.0002 | 0.0027 | 0.0044 | 0.0018 | -- | -- | -- | 0.013 J | 0.011 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 0.00026 | 9.1E-05 | 2.9E-05 J | 1.9E-06 J | 8.2E-06 J | 0.0001 J | 0.0002 J | 0.00029 J | -- | -- | -- | 0.00042 J | 0.00023 J |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.0007 | 0.00074 | 8.9E-05 J | 1.9E-05 J | 0.00013 | 0.0016 | 0.0029 | 0.001 | -- | -- | -- | 0.0071 J | 0.006 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 0.00072 J+ | 0.00099 J+ | 9E-05 J | 1.9E-05 J | 8.2E-05 | 0.0024 J | 0.0042 J | 0.00096 | -- | -- | -- | 0.0012 J+ | 0.0011 J+ |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 0.00017 | 0.00012 | 2.7E-05 J | 2.4E-06 J | 1.3E-05 J | 0.0002 J | 0.00038 J | 0.00027 J | -- | -- | -- | 0.0012 J | 0.00059 J |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 7.7E-05 J+ | 0.00014 J+ | 2.3E-05 U | 2.4E-06 J | 9.5E-06 J | 0.00044 J | 0.00075 J | 0.00021 J | -- | -- | -- | 0.00024 J+ | 0.00024 J |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.0022 J+ | 0.004 J+ | 0.00032 J | 6.7E-05 | 0.00029 | 0.011 J | 0.019 J | 0.0039 | -- | -- | -- | 0.0087 J | 0.0069 |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.0011 J+ | 0.0012 J+ | 0.00016 J | 2.4E-05 J | 9.6E-05 | 0.0045 J+ | 0.0071 J+ | 0.0016 | -- | -- | -- | 0.00067 J+ | 0.0016 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 0.00028 | 8.8E-05 | 4E-05 J | 2.9E-06 J | 1.8E-05 J | 8.8E-05 J | 0.00022 J | 0.00058 | -- | -- | -- | 0.00061 J | 0.00053 J |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 0.00024 | 0.00018 | 2.6E-05 J | 3.5E-06 J | 2.4E-05 J | 0.0003 J | 0.00055 | 0.00038 J | -- | -- | -- | 0.0016 J | 0.00092 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 0.00012 J+ | 0.00011 J+ | 2.1E-05 U | 2E-06 U | 1.1E-05 J | 0.00029 J | 0.00049 | 0.00017 J | -- | -- | -- | 0.00023 J+ | 0.00019 J |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 0.00022 | 0.00026 | 3.2E-05 J | 5E-06 J | 3.7E-05 J | 0.0005 | 0.00093 | 0.00051 | -- | -- | -- | 0.0036 J | 0.0017 J |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | 0.00028 J+ | 0.0003 J+ | 4.3E-05 J | 6E-06 U | 3.1E-05 J | 0.0013 J+ | 0.0026 J+ | 0.00047 | -- | -- | -- | 0.00031 J+ | 0.00061 J |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.00035 | 0.00061 | 5.9E-05 J | 8.5E-06 J | 5E-05 | 0.002 J | 0.0035 J | 0.00098 | -- | -- | -- | 0.0031 J+ | 0.0019 |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.0012 J+ | 0.0018 J+ | 0.00021 J | 3.5E-05 J | 0.00011 | 0.007 J+ | 0.012 J+ | 0.003 | -- | -- | -- | 0.0017 J+ | 0.0037 J |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.00059 | 0.00027 | 0.00012 J | 7E-06 J | 5E-05 | 0.00036 J | 0.00072 | 0.0011 | -- | -- | -- | 0.0034 | 0.0028 |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 0.00045 | 0.0001 | 4.1E-05 J | 2.6E-06 J | 6.5E-06 J | 2.5E-05 J | 6.8E-05 J | 0.00044 | -- | -- | -- | 2.9E-05 J | 1.7E-05 U |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 0.0001 | 4.8E-05 | 1E-05 U | 1E-06 U | 5.3E-06 J | 7.6E-05 J | 0.00013 J | 0.00012 J | -- | -- | -- | 5.9E-05 J | 5.8E-05 U |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 0.00015 | 4.6E-05 | 1.1E-05 U | 1.2E-06 U | 3.7E-07 U | 2.6E-05 J | 5.5E-05 J | 0.00013 J | -- | -- | -- | 3.5E-06 U | 2.6E-05 U |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.00084 | 0.00064 | 0.00011 J | 1.8E-05 J | 0.00011 | 0.0014 | 0.0024 | 0.0011 | -- | -- | -- | 0.007 J | 0.0058 |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 0.00059 J+ | 0.00081 J+ | 6E-05 J | 1.4E-05 J | 6.7E-05 | 0.0025 J | 0.0043 J | 0.00079 | -- | -- | -- | 0.00043 J+ | 0.00055 J |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 0.00024 | 6E-05 | 3.4E-05 J | 1.7E-06 J | 3.7E-06 J | 1.4E-05 J | 4.1E-05 J | 0.00025 J | -- | -- | -- | 2.9E-05 J | 2.1E-05 U |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 0.00013 | 6.2E-05 | 2.6E-05 J | 2.1E-06 J | 1.6E-05 J | 9.8E-05 J | 0.00026 J | 0.00015 J | -- | -- | -- | 0.0013 J | 0.0013 |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.00079 | 0.00093 | 0.00015 J | 2.1E-05 J | 0.00014 | 0.0019 | 0.0034 | 0.002 | -- | -- | -- | 0.011 J | 0.007 |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.0012 J+ | 0.0018 J+ | 0.00017 J | 3.2E-05 J | 0.00015 | 0.0047 J | 0.0082 J | 0.0021 | -- | -- | -- | 0.0052 J | 0.0041 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 0.001 J+ | 0.0013 J+ | 0.00013 J | 2.5E-05 J | 0.00012 | 0.0037 J | 0.0063 J | 0.0016 | -- | -- | -- | 0.0035 J+ | 0.0025 |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 3.6E-05 J | 8.3E-06 J | 8.8E-06 U | 9.1E-07 U | 3.1E-07 J | 6.4E-06 U | 4.3E-06 U | 3.2E-05 J | -- | -- | -- | 2.7E-06 U | 2E-05 U |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 0.00016 | 3E-05 J | 9.2E-06 U | 1.3E-06 U | 3.5E-06 J | 1.1E-05 J | 2.9E-05 J | 0.00014 J | -- | -- | -- | 2.1E-06 U | 2.6E-05 U |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 5.5E-05 UJ+ | 5.3E-05 UJ+ | 2.1E-05 U | 1.9E-06 U | 3.8E-06 U | 0.00011 U | 0.0002 U | 0.00016 U | -- | -- | -- | 9E-05 UJ+ | 0.00016 U |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 0.00022 J+ | 0.00028 J+ | 3E-05 J | 5.4E-06 J | 2.5E-05 J | 0.00083 | 0.0015 | 0.00045 | -- | -- | -- | 0.0013 J+ | 0.0009 |
| 2,2',3,4',5,6-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 6.3E-05 J+ | 4.7E-05 UJ+ | 1.9E-05 U | 1.7E-06 U | 3.4E-06 U | 0.0001 U | 0.00018 U | 0.00014 U | -- | -- | -- | 8E-05 UJ+ | 0.00014 U |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 3.6E-05 U | 3.4E-05 U | 1.3E-05 U | 1.2E-06 U | 2.4E-06 U | 7.3E-05 U | 0.00013 U | 0.0001 U | -- | -- | -- | 5.8E-05 UJ+ | 0.0001 U |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 3.3E-05 U | 3.2E-05 U | 1.3E-05 U | 1.2E-06 U | 2.3E-06 U | 6.8E-05 U | 0.00012 U | 9.4E-05 U | -- | -- | -- | 5.4E-05 UJ+ | 9.5E-05 U |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 0.00013 UJ+ | 0.00012 UJ+ | 3.1E-05 U | 4.8E-06 U | 1.4E-05 U | 0.0006 UJ+ | 0.0007 UJ+ | 0.00016 U | -- | -- | -- | 0.00013 UJ+ | 0.00028 U |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | 3E-05 J | 8.8E-06 J | 1.4E-05 U | 1.6E-06 U | 7.4E-07 U | 2.6E-05 U | 7.3E-05 J | 5.3E-05 J | -- | -- | -- | 2.4E-05 J | 2.7E-05 U |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 0.0001 | 8.3E-05 | 1.3E-05 J | 4.7E-06 J | 9.3E-06 J | 0.00036 J | 0.00062 | 0.00028 J | -- | -- | -- | 8.6E-05 | 0.00012 J |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.00095 J+ | 0.001 J+ | 0.00015 J | 2.1E-05 J | 0.00011 | 0.0051 J+ | 0.0083 J+ | 0.002 | -- | -- | -- | 0.0012 J+ | 0.0025 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 3.4E-05 U | 3.3E-05 U | 1.3E-05 U | 1.2E-06 U | 2.3E-06 U | 7E-05 U | 0.00012 U | 9.6E-05 U | -- | -- | -- | 5.5E-05 UJ+ | 9.8E-05 U |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 0.00012 UJ+ | 0.00011 UJ+ | 2.9E-05 U | 4.5E-06 U | 1.3E-05 U | 0.00057 UJ+ | 0.00066 UJ+ | 0.00015 U | -- | -- | -- | 0.00013 UJ+ | 0.00027 U |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.0028 J+ | 0.0045 J | 0.00053 | 8.1E-05 | 0.00036 | 0.019 J+ | 0.033 J+ | 0.0083 | -- | -- | -- | 0.0065 J | 0.013 J |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | 3.4E-06 U | 1E-05 J | 1.3E-05 U | 1.4E-06 U | 6.5E-07 U | 2.3E-05 U | 6.4E-05 J | 4.4E-05 J | -- | -- | -- | 9.7E-06 J | 2.4E-05 U |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 1.2E-05 J | 2.4E-05 J | 7E-06 U | 7.5E-07 U | 9.1E-07 J | 5.1E-05 J | 0.00011 J | 5.2E-05 J | -- | -- | -- | 3.2E-05 J | 5.1E-05 J |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | 2.6E-05 J | 3.1E-06 U | 1.2E-05 U | 1.4E-06 U | 3.2E-06 J | 2.3E-05 U | 0.00011 J | 0.00013 J | -- | -- | -- | 4.8E-05 | 8.3E-05 J |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-2 | P-B-3 | P-B-4 | P-B-5 | P-B-6 | P-B-7 | P-B-7 | PA-SS-1 | PA-SS-10 | PA-SS-10 | PA-SS-11 | PA-SS-2 | PA-SS-2 |
| | | | Sample Name | P-B-2_SS | P-B-3_SS | P-B-4_SS | P-B-5_SS | P-B-6_SS | P-B-7_SS | P-B-7_SS DUP | PA-SS-1_SS | PA-SS-10_SS | PA-SS-10_SS DUP | PA-SS-11_SS | PA-SS-2_SS | PA-SS-2_SS DUP |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/18/2013 | 11/18/2013 | 12/3/2013 | 12/2/2013 | 11/15/2013 | 12/2/2013 | 12/2/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 |
| | | | Parent Sample | | | | | | | P-B-7_SS_12/02/13 | | | PA-SS-10_SS_12/13/13 | | | PA-SS-2_SS_12/13/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 1.2E-05 J | 3.3E-06 U | 1.3E-05 U | 1.4E-06 U | 6.8E-07 U | 2.4E-05 U | 4E-05 J | 7.3E-05 J | -- | -- | -- | 2.2E-05 J | 3.4E-05 J |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 3.7E-05 J | 9.8E-06 J | 3.3E-05 U | 2.9E-06 U | 5.4E-06 J | 4.9E-05 J | 7E-05 J | 7.5E-05 J | -- | -- | -- | 5.5E-05 | 5.7E-05 J |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 0.0001 J+ | 7E-05 J+ | 1.7E-05 U | 1.5E-06 U | 3E-06 U | 0.00017 J | 0.00031 J | 0.00012 U | -- | -- | -- | 7.1E-05 UJ+ | 0.00013 U |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | 0.0035 J+ | 0.0034 J+ | 0.00047 | 7.2E-05 | 0.0003 | 0.018 J+ | 0.031 J+ | 0.0054 | -- | -- | -- | 0.0017 J+ | 0.0043 J |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 4.7E-05 UJ+ | 3.4E-05 U | 1.4E-05 U | 1.9E-06 U | 3.4E-06 U | 8.1E-05 U | 0.00016 U | 0.00011 U | -- | -- | -- | 3.8E-05 U | 0.00013 U |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 0.00011 UJ+ | 9.7E-05 UJ+ | 2.6E-05 U | 3.9E-06 U | 1.1E-05 U | 0.0005 UJ+ | 0.00058 UJ+ | 0.00013 U | -- | -- | -- | 0.00011 UJ+ | 0.00023 U |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 5.2E-05 | 4.1E-05 | 1.1E-05 U | 1.2E-06 U | 5E-06 J | 0.00017 J | 0.0003 J | 0.00014 J | -- | -- | -- | 5.5E-05 | 8.1E-05 J |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 1.2E-05 J | 1.9E-06 J | 7.3E-06 U | 9.8E-07 U | 2.5E-07 U | 4.8E-06 U | 3.3E-06 U | 5.6E-06 U | -- | -- | -- | 1.4E-06 J | 1.9E-05 U |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | 9E-06 J | 2.6E-06 U | 1E-05 U | 1.1E-06 U | 1E-06 J | 1.9E-05 U | 2.9E-05 J | 3E-05 J | -- | -- | -- | 1.6E-05 J | 2E-05 U |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 3.6E-05 J | 8E-06 J | 2.3E-05 U | 2.1E-06 U | 3.4E-06 J | 3.6E-05 J | 4.5E-05 J | 7E-05 J | -- | -- | -- | 3.4E-05 J | 4.3E-05 J |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.0016 | 0.0029 | 0.00028 J | 3.6E-05 J | 0.00018 | 0.015 J | 0.026 J | 0.0059 | -- | -- | -- | 0.0017 J | 0.0053 J |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 3.5E-06 J | 5.8E-07 J | 1.1E-05 U | 1.4E-06 U | 8.5E-07 U | 7.2E-06 U | 3.1E-06 U | 7.4E-06 U | -- | -- | -- | 1.6E-06 J | 2.4E-05 U |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 1.1E-05 J | 2.7E-06 J | 2.5E-05 U | 2.8E-06 U | 2.3E-06 U | 1.9E-05 U | 1E-05 J | 4.5E-05 J | -- | -- | -- | 1.3E-05 J | 1.9E-05 U |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 5.7E-05 | 6E-06 U | 0.00022 U | 4.4E-05 UJ+ | 8.7E-06 U | 0.00018 U | 6.9E-05 U | 0.0001 U | -- | -- | -- | 1.4E-05 J | 6.7E-05 U |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 0.00054 | 0.00011 | 3.8E-05 J | 2.9E-06 J | 1.3E-05 J | 4.5E-05 J | 0.00011 J | 0.00039 J | -- | -- | -- | 0.00037 | 0.00031 J |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 0.00035 J+ | 0.00014 | 2.7E-05 J | 3.4E-06 J | 1.5E-05 | 0.00025 | 0.00039 | 0.00025 J+ | -- | -- | -- | 0.00066 J+ | 0.00048 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.00058 | 0.00038 | 4E-05 J | 7.9E-06 J | 6.3E-05 | 0.00089 | 0.0014 | 0.00058 | -- | -- | -- | 0.0024 | 0.0029 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 0.00027 | 0.0001 | 1.9E-05 J | 2.9E-06 J | 1.4E-05 J | 0.00017 J | 0.00031 J | 0.00016 J | -- | -- | -- | 0.00057 | 0.00065 J |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.0012 | 0.0017 | 0.00016 J | 3.3E-05 J | 0.00014 | 0.0049 | 0.008 | 0.0016 | -- | -- | -- | 0.003 J+ | 0.0028 |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.0047 J | 0.0068 J | 0.00065 | 8.8E-05 | 0.00053 J+ | 0.024 J+ | 0.038 J+ | 0.0045 J+ | -- | -- | -- | 0.0014 J+ | 0.0032 J+ |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 0.00012 | 3.6E-06 U | 9.4E-06 U | 9.4E-07 U | 7.4E-07 U | 9.5E-06 U | 8.4E-06 U | 5.2E-05 J | -- | -- | -- | 1.9E-05 U | 5.3E-05 U |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 0.00013 | 2E-05 U | 1.1E-05 U | 1.4E-06 U | 5.1E-06 J | 4.8E-05 U | 7.1E-05 U | 5.7E-05 J | -- | -- | -- | 0.00036 | 0.00037 J |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 0.00017 | 8.9E-05 | 1.1E-05 U | 1.3E-06 U | 1E-05 J | 4.7E-05 U | 0.0003 J | 5.3E-05 J | -- | -- | -- | 0.00026 | 6.3E-05 U |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 4.4E-05 UJ+ | 4.2E-05 UJ+ | 1.7E-05 U | 1.5E-06 U | 3E-06 U | 8.9E-05 U | 0.00016 U | 0.00012 U | -- | -- | -- | 7.1E-05 UJ+ | 0.00013 U |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 3.9E-05 J | 3.7E-05 U | 1.4E-05 U | 1.3E-06 U | 2.6E-06 U | 7.8E-05 U | 0.00014 U | 0.00011 U | -- | -- | -- | 6.2E-05 UJ+ | 0.00011 U |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.00063 | 0.00092 | 6.5E-05 J | 1.8E-05 J | 7.7E-05 | 0.0024 | 0.0038 | 0.00091 | -- | -- | -- | 0.0023 J+ | 0.0018 |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 0.0001 UJ+ | 9.4E-05 UJ+ | 2.5E-05 U | 3.8E-06 U | 1.1E-05 U | 0.00048 UJ+ | 0.00056 UJ+ | 0.00013 U | -- | -- | -- | 0.00011 UJ+ | 0.00023 U |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 0.00011 UJ+ | 0.00016 J+ | 2.5E-05 U | 3.9E-06 U | 1.1E-05 U | 0.00049 UJ+ | 0.00058 J+ | 0.00013 U | -- | -- | -- | 0.00011 UJ+ | 0.00023 U |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | 0.00067 J+ | 0.00064 J+ | 8.4E-05 J | 1.3E-05 J | 6.4E-05 | 0.0027 | 0.0038 J+ | 0.00064 | -- | -- | -- | 0.00021 J+ | 0.00054 J |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 3.5E-05 U | 1.6E-05 U | 1.7E-05 U | 1.7E-06 U | 2E-06 U | 8.7E-05 U | 8.4E-05 U | 2.6E-05 U | -- | -- | -- | 7.4E-06 U | 4.1E-05 U |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 0.00054 | 0.00037 | 8.1E-05 J | 5.3E-06 J | 4.8E-05 | 0.002 | 0.0028 | 0.00053 | -- | -- | -- | 0.00019 | 0.00032 J |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 4.4E-05 UJ+ | 4.2E-05 UJ+ | 1.7E-05 U | 1.5E-06 U | 3E-06 U | 9E-05 U | 0.00016 U | 0.00012 U | -- | -- | -- | 7.1E-05 UJ+ | 0.00013 U |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 8.5E-05 UJ+ | 7.7E-05 UJ+ | 2E-05 U | 3.1E-06 U | 9E-06 U | 0.00039 U | 0.00046 UJ+ | 0.0001 U | -- | -- | -- | 8.7E-05 UJ+ | 0.00018 U |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 8.2E-05 UJ+ | 7.4E-05 UJ+ | 1.9E-05 U | 3E-06 U | 8.7E-06 U | 0.00038 U | 0.00044 UJ+ | 0.0001 U | -- | -- | -- | 8.4E-05 UJ+ | 0.00018 U |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 3.5E-05 U | 1.6E-05 U | 1.7E-05 U | 1.7E-06 U | 2E-06 U | 8.5E-05 U | 8.3E-05 U | 2.6E-05 U | -- | -- | -- | 7.3E-06 U | 4E-05 U |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 3.5E-05 U | 1.6E-05 U | 1.7E-05 U | 1.7E-06 U | 2E-06 U | 8.6E-05 UJ | 0.00085 J | 2.6E-05 U | -- | -- | -- | 7.3E-06 U | 4E-05 U |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.00073 J+ | 0.00085 J+ | 8.7E-05 | 1.9E-05 | 7.8E-05 | 0.0024 J+ | 0.0036 J+ | 0.00069 | -- | -- | -- | 0.00049 J+ | 0.00074 |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 0.00022 J+ | 0.00023 J+ | 3.7E-05 J | 3.6E-06 U | 1.1E-05 J+ | 0.00071 J+ | 0.0011 J+ | 0.00022 J+ | -- | -- | -- | 0.00012 UJ+ | 0.00027 UJ+ |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.0086 J | 0.012 J | 0.0011 | 0.00016 | 0.00095 J+ | 0.05 J | 0.07 J | 0.01 J+ | -- | -- | -- | 0.0033 J+ | 0.0084 J+ |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 0.00013 J+ | 0.00016 J+ | 2.4E-05 J | 3.6E-06 U | 1.2E-05 J+ | 0.00049 J+ | 0.00092 J+ | 0.00012 UJ+ | -- | -- | -- | 0.00011 UJ+ | 0.0002 UJ+ |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 0.00026 | 0.00017 | 4.1E-05 J | 1.8E-06 U | 2.6E-05 J | 0.0011 | 0.0015 | 0.00028 J | -- | -- | -- | 9.7E-05 | 0.00019 J |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.0013 | 0.0009 | 0.00018 J | 1.6E-05 J | 0.00011 | 0.0066 | 0.0092 | 0.0014 | -- | -- | -- | 0.00041 | 0.00091 |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 9.1E-05 UJ+ | 8.2E-05 UJ+ | 2.1E-05 U | 3.3E-06 U | 9.6E-06 U | 0.00042 UJ+ | 0.00049 UJ+ | 0.00011 U | -- | -- | -- | 9.2E-05 UJ+ | 0.0002 U |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 8.5E-05 UJ+ | 7.7E-05 UJ+ | 2E-05 U | 3.1E-06 U | 9E-06 U | 0.00039 U | 0.00046 UJ+ | 0.0001 U | -- | -- | -- | 8.7E-05 UJ+ | 0.00018 U |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 5.8E-05 | 2.9E-05 J | 1.6E-05 U | 1.6E-06 U | 3.5E-06 J | 0.0002 J | 0.00025 J | 5.4E-05 J | -- | -- | -- | 1.4E-05 J | 3.7E-05 U |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 4.8E-05 | 1.5E-05 U | 1.6E-05 U | 1.6E-06 U | 1.8E-06 U | 8E-05 U | 7.7E-05 U | 2.4E-05 U | -- | -- | -- | 8.5E-06 J | 3.7E-05 U |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 4E-05 J | 1.4E-05 U | 1.5E-05 U | 1.5E-06 U | 1.8E-06 U | 7.6E-05 U | 7.4E-05 U | 2.3E-05 U | -- | -- | -- | 6.5E-06 U | 3.6E-05 U |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 0.00032 | 0.00034 | 6.4E-05 J | 1.1E-05 J | 3.5E-05 J | 0.0019 J | 0.0032 J | 0.0011 | -- | -- | -- | 0.00034 | 0.0006 J |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 9.8E-05 | 2.2E-05 J | 2.5E-05 J | 1.5E-06 U | 1.3E-05 J | 0.0002 J | 0.00027 J | 0.00013 J | -- | -- | -- | 8.4E-05 | 0.0001 J |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 4.2E-05 | 7.4E-06 J | 1.4E-05 U | 1.4E-06 U | 1.9E-06 J | 1.6E-05 J | 4.1E-05 J | 3.6E-05 J | -- | -- | -- | 1.1E-05 J | 1.6E-05 U |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 4.7E-05 | 1.5E-05 U | 1.7E-05 U | 1.6E-06 U | 1.9E-06 U | 8.2E-05 U | 8E-05 U | 2.5E-05 U | -- | -- | -- | 7E-06 U | 3.9E-05 U |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | 2.4E-06 U | 4.1E-06 J | 8.7E-06 U | 9.5E-07 U | 4.5E-07 U | 1.6E-05 U | 3.6E-05 J | 1E-05 U | -- | -- | -- | 1.4E-06 U | 1.7E-05 U |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 2.3E-05 J | 4.1E-06 U | 1.4E-05 U | 1.3E-06 U | 8.2E-07 U | 1.4E-05 U | 1.6E-05 U | 1.3E-05 U | -- | -- | -- | 2.2E-06 U | 1.6E-05 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-2 | P-B-3 | P-B-4 | P-B-5 | P-B-6 | P-B-7 | P-B-7 | PA-SS-1 | PA-SS-10 | PA-SS-10 | PA-SS-11 | PA-SS-2 | PA-SS-2 |
| | | | Sample Name | P-B-2_SS | P-B-3_SS | P-B-4_SS | P-B-5_SS | P-B-6_SS | P-B-7_SS | P-B-7_SS DUP | PA-SS-1_SS | PA-SS-10_SS | PA-SS-10_SS DUP | PA-SS-11_SS | PA-SS-2_SS | PA-SS-2_SS DUP |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/18/2013 | 11/18/2013 | 12/3/2013 | 12/2/2013 | 11/15/2013 | 12/2/2013 | 12/2/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 |
| | | | Parent Sample | | | | | | | P-B-7_SS_12/02/13 | | | PA-SS-10_SS_12/13/13 | | | PA-SS-2_SS_12/13/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 2.4E-05 J | 4.3E-06 U | 1.4E-05 U | 1.4E-06 U | 8.6E-07 U | 1.4E-05 U | 1.7E-05 U | 1.4E-05 U | -- | -- | -- | 2.3E-06 U | 1.6E-05 U |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 1.3E-05 J | 1.3E-06 J | 1.7E-05 U | 1.5E-06 U | 1.2E-06 U | 1E-05 U | 3.1E-06 U | 1.1E-05 J | -- | -- | -- | 1.3E-06 J | 1.1E-05 U |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 1.2E-05 J | 2.2E-06 J | 1.7E-05 U | 1.5E-06 U | 1.3E-06 U | 1E-05 U | 1E-05 J | 1.8E-05 J | -- | -- | -- | 7.1E-06 J | 1.1E-05 U |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 1.3E-05 J | 3.8E-06 U | 0.00019 U | 7.8E-06 U | 6E-06 U | 0.00012 U | 4.1E-05 U | 0.00012 U | -- | -- | -- | 3.4E-06 J | 7.7E-05 U |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 7.1E-05 | 1.1E-05 J | 0.0002 U | 7.8E-06 U | 9.3E-06 J | 0.00012 U | 0.00011 J | 0.00013 U | -- | -- | -- | 1.1E-05 J | 7.8E-05 U |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 0.00021 | 5.9E-05 | 4.5E-05 J | 4.7E-06 J | 2.4E-05 J | 0.00065 | 0.00087 | 0.00036 J | -- | -- | -- | 0.00015 | 0.00019 J |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 2.1E-05 J | 6.4E-06 J | 1.3E-05 U | 1.2E-06 U | 3E-06 J | 3.5E-05 J | 4.8E-05 J | 7.5E-05 J | -- | -- | -- | 2.2E-05 J | 3.2E-05 J |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 2E-05 J | 3.6E-06 U | 0.00018 U | 7.3E-06 U | 5.7E-06 U | 0.00011 U | 3.8E-05 U | 0.00012 U | -- | -- | -- | 1.7E-06 J | 7.2E-05 U |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 0.00016 | 2.3E-05 J | 0.00019 U | 7.6E-06 U | 1.6E-05 J | 0.00017 J | 0.0002 J | 0.00014 J | -- | -- | -- | 5.1E-05 | 7.6E-05 U |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 3.3E-05 J | 5.1E-06 J | 0.00021 U | 8.3E-06 U | 6.4E-06 U | 0.00012 U | 4.3E-05 U | 0.00013 U | -- | -- | -- | 3.4E-06 J | 8.2E-05 U |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 2.8E-06 U | 4E-06 U | 0.00015 U | 2.6E-05 U | 4.3E-06 U | 0.0001 U | 5E-05 U | 5.7E-05 U | -- | -- | -- | 7.4E-07 U | 3.8E-05 U |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 0.00017 | 1.4E-05 J | 9.3E-05 J | 3.5E-06 J | 9.3E-06 J | 6.9E-05 J | 0.00011 J | 8.1E-05 J | -- | -- | -- | 1.1E-05 J | 7E-06 U |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 5.2E-05 J+ | 2.5E-05 UJ+ | 1.3E-05 U | 1.4E-06 U | 2E-06 U | 5.3E-05 UJ+ | 8.1E-05 UJ+ | 3.5E-05 U | -- | -- | -- | 3E-05 UJ+ | 7E-05 U |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 0.00028 J+ | 0.00039 J+ | 3.1E-05 U | 7.1E-06 | 2.7E-05 J+ | 0.00055 UJ+ | 0.00059 UJ+ | 0.00014 UJ+ | -- | -- | -- | 0.00018 UJ+ | 0.00026 UJ+ |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 0.00071 J+ | 0.0011 J+ | 7.5E-05 | 2.1E-05 | 9.2E-05 | 0.0006 J+ | 0.0013 J+ | 0.00022 | -- | -- | -- | 6.5E-05 J+ | 7.9E-05 J |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 0.0001 UJ+ | 9.4E-05 UJ+ | 2.5E-05 U | 3.8E-06 U | 1.1E-05 U | 0.00048 UJ+ | 0.00056 UJ+ | 0.00013 U | -- | -- | -- | 0.00011 UJ+ | 0.00023 U |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 5.8E-05 | 4.5E-05 | 1.9E-05 U | 1.9E-06 U | 2.2E-06 U | 9.7E-05 U | 0.00027 J | 2.9E-05 U | -- | -- | -- | 8.3E-06 U | 4.5E-05 U |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 0.00025 | 0.00023 | 1.7E-05 U | 1.7E-06 U | 2.2E-05 J | 0.00049 J+ | 0.0003 J | 0.00026 J | -- | -- | -- | 7.9E-05 | 0.0004 J |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 0.00018 | 6.1E-05 | 1.6E-05 U | 1.6E-06 U | 7.3E-06 J | 2.6E-05 J | 5.4E-05 J | 6.2E-05 J | -- | -- | -- | 9.2E-06 J | 1.9E-05 U |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 3.5E-05 J | 1.5E-05 U | 1.6E-05 U | 1.6E-06 U | 1.8E-06 U | 8E-05 U | 7.8E-05 U | 2.4E-05 U | -- | -- | -- | 6.8E-06 U | 3.8E-05 U |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 3.6E-05 J | 4.9E-06 J | 1.4E-05 U | 1.4E-06 U | 8.7E-07 U | 1.4E-05 U | 0.0001 J | 1.4E-05 U | -- | -- | -- | 2.3E-06 U | 1.7E-05 U |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 0.00034 | 6.6E-05 | 0.0002 U | 8.1E-06 U | 2.5E-05 J | 0.00012 U | 6.3E-05 J | 0.00013 U | -- | -- | -- | 4.1E-05 J | 8E-05 U |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 5.3E-05 J+ | 2.5E-05 J+ | 2E-05 U | 1.8E-06 U | 2.4E-06 J | 9.3E-05 UJ+ | 9.9E-05 UJ+ | 2.9E-05 U | -- | -- | -- | 1E-05 UJ+ | 4.2E-05 U |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 0.00033 | 0.00011 | 8.3E-05 J | 6.9E-06 J | 4.1E-05 J | 0.00052 J | 0.0011 | 0.0002 J | -- | -- | -- | 0.00011 | 0.00012 J |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 3.8E-05 J | 4.6E-06 U | 1.5E-05 U | 1.5E-06 U | 9.4E-07 U | 1.5E-05 U | 1.8E-05 U | 1.5E-05 U | -- | -- | -- | 2.5E-06 U | 1.8E-05 U |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 8.9E-05 | 8.3E-06 J | 1.4E-05 U | 1.4E-06 U | 8.8E-07 U | 1.4E-05 U | 1.7E-05 U | 1.4E-05 U | -- | -- | -- | 2.3E-06 U | 1.7E-05 U |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 2E-05 J | 3.3E-06 U | 0.00017 U | 6.8E-06 U | 5.2E-06 U | 0.0001 U | 3.6E-05 U | 0.00011 U | -- | -- | -- | 1.2E-06 U | 6.7E-05 U |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 8.3E-05 | 1.2E-05 J | 7.1E-05 J | 9.4E-07 U | 5.4E-06 J | 7.5E-05 J | 0.00011 J | 9.3E-05 J | -- | -- | -- | 1.3E-05 J | 7E-06 U |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.00033 | 7.2E-05 | 0.00022 J | 7.9E-06 U | 2.5E-05 J | 0.00033 J | 0.00058 | 0.00028 J | -- | -- | -- | 0.00011 | 7.7E-05 U |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 9.8E-05 | 2.5E-05 J | 0.00013 J | 2.1E-06 J | 4.9E-06 J | 7.4E-05 J | 0.00011 J | 0.00022 J | -- | -- | -- | 3.4E-05 J | 1.6E-05 J |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | -- | -- | 0.0089 U | 0.0098 U | 0.009 U | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | 0.0089 U | 0.0098 U | 0.009 U | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | 0.0089 U | 0.0098 U | 0.009 U | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | 0.0089 U | 0.0098 U | 0.009 U | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | 0.0089 UJ | 0.0098 UJ | 0.009 UJ | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | -- | -- | 0.0056 UJ | 0.0062 UJ | 0.066 J | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | 0.0056 UJ | 0.0062 UJ | 0.053 J | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.076 J | 0.018 J | 0.03 | 0.00047 | 0.0026 | 0.058 J | 0.14 J | 0.075 J | -- | -- | -- | 0.085 | 0.055 |
| PCB 107/124 | mg/Kg | | | 0.00043 J+ | 0.00037 J+ | 5.9E-05 J | 7.3E-06 J | 3.7E-05 J | 0.0016 | 0.0024 | 0.00036 J | -- | -- | -- | 0.00011 J+ | 0.00034 J |
| PCB 108/124 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.011 J | 0.012 J | 0.0014 | 0.00029 | 0.0012 | 0.051 | 0.081 | 0.016 | -- | -- | -- | 0.01 J | 0.018 J |
| PCB 12/13 | mg/Kg | | | 0.00017 | 2.6E-05 J | 0.0002 U | 8.2E-06 U | 1.8E-05 J | 0.00012 U | 0.00019 J | 0.00013 U | -- | -- | -- | 1.5E-05 J | 8.1E-05 U |
| PCB 128/166 | mg/Kg | | | 0.002 | 0.0033 | 0.00025 J | 6.8E-05 J | 0.00026 | 0.0088 | 0.014 | 0.0023 | -- | -- | -- | 0.0031 | 0.0032 |
| PCB 129/138/163 | mg/Kg | | | 0.0093 | 0.017 J | 0.0013 | 0.00029 | 0.0013 | 0.045 | 0.072 | 0.014 | -- | -- | -- | 0.028 J | 0.025 |
| PCB 134/143 | mg/Kg | | | 0.00031 | 0.00047 | 2.2E-05 U | 9.8E-06 J | 3.6E-05 J | 0.0014 | 0.0026 | 0.00064 J | -- | -- | -- | 0.0012 J+ | 0.0008 J |
| PCB 135/151 | mg/Kg | | | 0.0011 | 0.0015 | 0.00014 J | 2.7E-05 J | 0.00014 | 0.0047 J | 0.0079 J | 0.0025 | -- | -- | -- | 0.0082 | 0.0054 |
| PCB 139/140 | mg/Kg | | | 0.00017 | 0.00016 | 1.8E-05 U | 3.5E-06 J | 1.4E-05 J | 0.00058 J | 0.001 | 0.00028 J | -- | -- | -- | 0.00018 | 0.00016 J |
| PCB 147/149 | mg/Kg | | | 0.0034 | 0.0055 | 0.00055 J | 0.00011 | 0.00048 | 0.017 J | 0.029 J | 0.0069 | -- | -- | -- | 0.022 J | 0.015 |
| PCB 153/168 | mg/Kg | | | 0.0053 | 0.0085 J | 0.00081 J | 0.00016 | 0.00072 | 0.025 | 0.041 | 0.008 | -- | -- | -- | 0.018 J | 0.014 |
| PCB 156/157 | mg/Kg | | | 0.0019 J+ | 0.0026 J+ | 0.00026 | 5.3E-05 | 0.00023 | 0.0091 | 0.013 | 0.0023 | -- | -- | -- | 0.0019 J+ | 0.0029 |
| PCB 171/173 | mg/Kg | | | 0.00095 | 0.00061 | 0.00011 J | 1.3E-05 J | 7.9E-05 J | 0.0013 | 0.0022 | 0.001 | -- | -- | -- | 0.0044 J | 0.004 |
| PCB 18/30 | mg/Kg | | | 5.8E-05 J | 2.2E-05 J | 2.2E-05 J | 1.8E-06 U | 1.1E-05 J | 0.0001 J | 0.00015 J | 0.00024 J | -- | -- | -- | 7.2E-05 J | 0.0001 J |
| PCB 180/193 | mg/Kg | | | 0.0035 | 0.0032 | 0.00056 J | 8.8E-05 | 0.00055 | 0.0072 | 0.012 | 0.0045 | -- | -- | -- | 0.028 J | 0.029 |
| PCB 198/199 | mg/Kg | | | 0.0012 | 0.00047 | 0.00016 J | 1.3E-05 J | 8.2E-05 J | 0.00058 J | 0.0013 | 0.0031 | -- | -- | -- | 0.0048 J | 0.0038 |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | P-B-2 | P-B-3 | P-B-4 | P-B-5 | P-B-6 | P-B-7 | P-B-7 | PA-SS-1 | PA-SS-10 | PA-SS-10 | PA-SS-11 | PA-SS-2 | PA-SS-2 |
| | | | Sample Name | P-B-2_SS | P-B-3_SS | P-B-4_SS | P-B-5_SS | P-B-6_SS | P-B-7_SS | P-B-7_SS DUP | PA-SS-1_SS | PA-SS-10_SS | PA-SS-10_SS DUP | PA-SS-11_SS | PA-SS-2_SS | PA-SS-2_SS DUP |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/18/2013 | 11/18/2013 | 12/3/2013 | 12/2/2013 | 11/15/2013 | 12/2/2013 | 12/2/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 |
| | | | Parent Sample | | | | | | | P-B-7_SS_12/02/13 | | | PA-SS-10_SS_12/13/13 | | | PA-SS-2_SS_12/13/13 |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 0.00026 | 6.1E-05 J | 7.6E-05 J | 5.9E-06 J | 3.3E-05 J | 0.0006 J | 0.00093 | 0.00039 J | -- | -- | -- | 0.00019 | 0.00023 J |
| PCB 21/33 | mg/Kg | | | 0.00019 | 2.3E-05 J | 2.9E-05 J | 2.9E-06 J | 9.9E-06 J | 0.00019 J | 0.00022 J | 0.00018 J | -- | -- | -- | 0.00012 | 0.00014 J |
| PCB 26/29 | mg/Kg | | | 8.3E-05 J | 1.3E-05 J | 1.4E-05 U | 1.4E-06 U | 4.7E-06 J | 4.4E-05 J | 8.7E-05 J | 6.5E-05 J | -- | -- | -- | 2.6E-05 J | 3.9E-05 J |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | 0.00034 | 0.0002 | 5.1E-05 J | 4.9E-06 J | 1.8E-05 J | 0.0008 J | 0.0013 | 0.00061 J | -- | -- | -- | 0.00019 | 0.00031 J |
| PCB 43/73 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.00077 | 0.0011 | 0.00014 J | 1.7E-05 J | 6.9E-05 J | 0.0051 J | 0.0089 J | 0.0024 | -- | -- | -- | 0.00073 | 2E-05 U |
| PCB 45/51 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 0.00035 | 0.00049 | 7.1E-05 J | 7.9E-06 J | 3.2E-05 J | 0.0023 J | 0.0042 J | 0.001 | -- | -- | -- | 0.00028 | 0.0008 J |
| PCB 50/53 | mg/Kg | | | 4.1E-05 J | 6E-05 J | 1E-05 U | 1.9E-06 J | 3.8E-06 J | 0.00016 J | 0.00032 J | 0.00023 J | -- | -- | -- | 7.2E-05 J | 0.00015 J |
| PCB 59/62/75 | mg/Kg | | | 0.00011 J | 2.4E-05 J | 1.4E-05 J | 1.1E-06 J | 3.2E-06 J | 1.5E-05 U | 0.00012 J | 0.00011 J | -- | -- | -- | 2.9E-05 J | 4.3E-05 J |
| PCB 61/70/74/76 | mg/Kg | | | 0.003 | 0.0028 | 0.00043 J | 4.1E-05 J | 0.00023 | 0.019 | 0.025 | 0.0045 | -- | -- | -- | 0.0012 | 0.0037 |
| PCB 83/99 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | 0.0015 | 0.0013 | 0.00017 J | 3.2E-05 J | 0.00014 | 0.0062 J | 0.011 J | 0.0019 | -- | -- | -- | 0.00063 | 0.0015 J |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.0048 | 0.0054 | 0.00071 J | 0.0001 J | 0.00047 | 0.024 | 0.039 | 0.0082 | -- | -- | -- | 0.0035 | 0.0076 |
| PCB 88/91 | mg/Kg | | | 0.00053 J+ | 0.00069 J+ | 7.8E-05 J | 1.6E-05 J | 5.4E-05 J | 0.003 | 0.0053 | 0.0013 | -- | -- | -- | 0.00066 J+ | 0.0014 J |
| PCB 90/101/113 | mg/Kg | | | 0.0059 | 0.0069 | 0.00093 J | 0.00012 J | 0.00064 | 0.033 | 0.055 | 0.011 | -- | -- | -- | 0.0047 J | 0.011 J |
| PCB 93/100 | mg/Kg | | | 0.00012 UJ+ | 0.00011 UJ+ | 2.8E-05 U | 4.3E-06 U | 1.2E-05 U | 0.00054 U | 0.00063 U | 0.00014 U | -- | -- | -- | 0.00012 UJ+ | 0.00025 U |
| PCB 98/102 | mg/Kg | | | 0.00012 J+ | 0.00011 J+ | 2.6E-05 U | 4E-06 U | 1.2E-05 U | 0.0005 U | 0.0008 J | 0.00013 U | -- | -- | -- | 0.00011 UJ+ | 0.00027 J |
| Total Dichlorobiphenyl | mg/Kg | | | 0.0012 J+ | 0.0002 J | 0.00022 J | 4.4E-05 U | 9.4E-05 J | 0.00051 J | 0.0011 J | 0.00042 J | -- | -- | -- | 0.00025 J | 8.2E-05 U |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.014 | 0.011 | 0.0017 J | 0.00029 J | 0.0018 J+ | 0.025 J+ | 0.042 J+ | 0.017 J+ | -- | -- | -- | 0.098 | 0.089 J+ |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.033 | 0.052 | 0.0044 J+ | 0.00096 J+ | 0.0043 J+ | 0.15 | 0.24 | 0.051 | -- | -- | -- | 0.11 | 0.09 J+ |
| Total Monochlorobiphenyl | mg/Kg | | | 0.00035 J | 5E-05 J | 0.0003 J | 5.6E-06 J | 2E-05 J | 0.00022 J | 0.00032 J | 0.0004 J | -- | -- | -- | 5.8E-05 J | 1.6E-05 J |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.012 | 0.0029 | 0.0021 J | 6.9E-05 J | 0.00032 J | 0.0021 J | 0.0054 | 0.015 | -- | -- | -- | 0.0063 | 0.0051 J |
| Total Octachlorobiphenyl | mg/Kg | | | 0.007 | 0.0024 | 0.00097 J | 6.4E-05 J | 0.0004 J | 0.0026 J | 0.0053 | 0.011 J+ | -- | -- | -- | 0.02 | 0.019 |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.049 | 0.059 | 0.0068 J+ | 0.0011 J+ | 0.0051 | 0.25 J+ | 0.4 | 0.076 | -- | -- | -- | 0.037 J | 0.078 J+ |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.01 J+ | 0.011 J+ | 0.0014 J | 0.00017 J | 0.00089 J+ | 0.055 J+ | 0.087 | 0.019 J+ | -- | -- | -- | 0.0057 J+ | 0.013 J+ |
| Total Trichlorobiphenyl | mg/Kg | | | 0.0018 | 0.00042 | 0.00028 J | 2E-05 J | 0.00016 J | 0.0025 J | 0.004 J | 0.002 J | -- | -- | -- | 0.00091 | 0.001 J |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.2 J+ | 0.16 J+ | 0.049 J+ | 0.0031 J+ | 0.016 J+ | 0.55 J+ | **0.93 J+** | 0.27 J+ | 0.0056 UJ | 0.0062 UJ | 0.11 J | 0.36 J+ | 0.35 J+ |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 3E-05 J | 0.00017 J | 7.4E-08 | 7.2E-07 | 2.8E-06 J | 2.7E-06 J | 3.9E-06 J | 0.00064 J | -- | -- | -- | 2.4E-07 J | 4.8E-07 J |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 30 J | 170 J | 0.074 | 0.72 | 2.8 J | 2.7 J | 3.9 J | 640 J | -- | -- | -- | 0.24 J | 0.48 J |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | -- | 0.00013 | -- | -- | -- | -- | -- | 0.00064 J | -- | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | -- | 130 | -- | -- | -- | -- | -- | 640 J | -- | -- | -- | -- | -- |
| Total TEQ-PCB Congener Only | mg/Kg | | | 3E-05 J | 4E-05 J | 7.4E-08 | 7.2E-07 | 2.8E-06 J | 2.7E-06 J | 3.9E-06 J | 5.7E-07 J | -- | -- | -- | 2.4E-07 J | 4.8E-07 J |
| Total TEQ-PCB Congener Only | pg/g | | | 30 J | 40 J | 0.074 | 0.72 | 2.8 J | 2.7 J | 3.9 J | 0.57 J | -- | -- | -- | 0.24 J | 0.48 J |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | S17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PA-SS-3 | PA-SS-4 | PA-SS-5 | PA-SS-6 | PA-SS-7 | PA-SS-8 | PA-SS-9 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | S17-SS-1 |
| | | | Sample Name | PA-SS-3_SS | PA-SS-4_SS | PA-SS-5_SS | PA-SS-6_SS | PA-SS-7_SS | PA-SS-8_SS | PA-SS-9_SS | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 5.0-6.5 | S17-SS-1_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 11/21/2013 |
| | | | Parent Sample | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.0031 | 0.00027 | 0.0071 | 0.00079 | 0.00018 | 0.00013 | -- | 2.4E-05 | 4.9E-07 U | 7.7E-05 | 5.1E-07 U | -- |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.0021 | 0.00012 J | 0.025 | 0.00018 | 0.00023 | 0.00017 | -- | 1.4E-05 J | 5.6E-07 U | 5.4E-05 | 5.2E-07 U | -- |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.0023 | 0.00089 | 0.0041 | 0.00095 | 0.00013 | 0.0002 | -- | 3E-05 | 3.6E-07 U | 9.6E-05 | 3.7E-07 U | -- |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.0005 J | 2.6E-05 J | 0.01 | 6.3E-05 | 6.5E-05 J+ | 6.4E-05 | -- | 3.5E-06 J | 5.1E-07 U | 1.6E-05 J | 4.9E-07 U | -- |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.001 J | 5.6E-05 J | 0.013 | 0.00013 | 0.00012 J+ | 8.7E-05 | -- | 7.8E-06 J | 4.7E-07 U | 3.6E-05 | 3.9E-07 U | -- |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.0081 | 0.00096 | 0.09 J | 0.0003 | 0.00047 | 0.00038 | -- | 2.9E-05 | 2.9E-07 U | 0.0002 | 2.3E-07 U | -- |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 0.00022 J | 7.7E-05 J | 0.0014 | 8E-05 J+ | 2.2E-05 J | 3.5E-05 J | -- | 3.1E-06 J | 3.1E-07 U | 1.4E-05 J | 2.6E-07 U | -- |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.002 | 0.00046 | 0.0032 | 0.00067 | 9E-05 | 0.0001 | -- | 1.7E-05 J | 4.3E-07 U | 6.3E-05 | 4.4E-07 U | -- |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 0.0011 J | 0.00012 J | 0.015 | 6E-05 | 9E-05 | 6.7E-05 | -- | 4.8E-06 J | 2.8E-07 U | 3E-05 | 2.2E-07 U | -- |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 0.00027 J | 1.6E-05 J | 0.0038 | 6E-05 J+ | 3.9E-05 J | 2E-05 J | -- | 1.5E-06 J | 3.2E-07 U | 7.4E-06 J | 2.6E-07 U | -- |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 0.00038 J | 6.3E-05 J | 0.0038 | 0.0001 J+ | 5.7E-05 | 4.3E-05 | -- | 3E-06 J | 3.1E-07 U | 1.7E-05 J | 2.6E-07 U | -- |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.0056 | 0.00052 | 0.13 J | 0.00041 J+ | 0.0006 | 0.00038 | -- | 2E-05 | 2.7E-07 U | 0.00012 | 2.2E-07 U | -- |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 0.00026 J | 2.1E-05 J | 0.0029 | 1.6E-05 J | 2.6E-05 J | 1.2E-05 J | -- | 1.1E-06 J | 4.8E-07 U | 7.3E-06 J | 4.3E-07 U | -- |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.0032 | 0.00032 | 0.056 | 0.0002 J+ | 0.0003 | 0.00022 | -- | 1.2E-05 J | 2.8E-07 U | 7.7E-05 | 2.2E-07 U | -- |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 0.004 | 0.00044 | 0.0057 | 5.5E-05 | 0.00011 | 4.7E-05 | -- | 4.6E-06 J | 5.3E-07 U | 6.6E-05 | 4.6E-07 U | -- |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 0.00054 J | 3.5E-05 J | 0.0085 | 4E-05 J | 6.1E-05 | 2.7E-05 J | -- | 1.7E-06 J | 3.2E-07 U | 1.1E-05 J | 2.9E-07 U | -- |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 0.00085 J | 6.4E-05 J | 0.00078 U | 1.1E-05 J | 1.3E-05 U | 4.5E-06 J | -- | 5.8E-07 U | 5E-07 U | 8.2E-06 J | 4.4E-07 U | -- |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.02 | 0.0016 | 0.043 | 0.00031 | 0.00055 | 0.00021 | -- | 1.8E-05 J | 4.7E-07 U | 0.00023 | 4.1E-07 U | -- |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.0056 | 0.00082 | 0.0039 J+ | 4.9E-05 | 4.1E-05 J+ | 4.1E-05 | -- | 5.3E-06 J | 5.7E-07 U | 7.2E-05 | 4.7E-07 U | -- |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 0.00049 J | 2.8E-05 J | 0.0048 | 7.5E-05 J+ | 5.3E-05 | 3.5E-05 J | -- | 2.1E-06 J | 3.7E-07 U | 1.2E-05 J | 3E-07 U | -- |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 0.00074 J | 4.6E-05 J | 0.012 | 5.9E-05 J+ | 9.2E-05 | 5E-05 | -- | 3.1E-06 J | 5E-07 U | 2E-05 J | 4.5E-07 U | -- |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 0.00051 J | 5.6E-05 J | 0.00093 | 8.9E-06 J | 2.6E-05 J | 7.2E-06 J | -- | 7.4E-07 J | 4.7E-07 U | 6.8E-06 J | 4.1E-07 U | -- |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 0.0015 J | 8E-05 J | 0.028 | 0.00014 J+ | 0.00021 | 9.1E-05 | -- | 4.3E-06 J | 3.5E-07 U | 3.1E-05 | 3.1E-07 U | -- |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | 0.0022 | 0.00024 | 0.0015 J+ | 1.6E-05 J | 2.3E-05 J | 1.3E-05 J | -- | 1.1E-06 U | 6.2E-07 U | 1.6E-05 J | 5.1E-07 U | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.005 | 0.00035 | 0.01 | 0.00013 | 0.0002 | 5.9E-05 | -- | 3.4E-06 J | 3.1E-07 U | 4E-05 | 2.7E-07 U | -- |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.014 | 0.0013 | 0.0062 | 0.00015 | 0.00025 | 4.9E-05 | -- | 6.2E-06 J | 5.2E-07 U | 8.5E-05 | 4.3E-07 U | -- |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.0015 J | 6.2E-05 J | 0.015 | 0.0002 | 0.00018 | 0.00012 | -- | 9.3E-06 J | 4.3E-07 U | 3.8E-05 | 3.6E-07 U | -- |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 6.3E-05 J | 1.4E-05 J | 0.00023 J | 1.5E-05 J | 6.9E-06 J | 5.5E-06 J | -- | 7.2E-07 J | 3.3E-07 U | 6.2E-06 J | 2.7E-07 U | -- |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 0.00016 J | 2E-05 J | 0.00021 U | 3.1E-06 U | 4.9E-06 U | 1.4E-06 U | -- | 2.9E-07 U | 2.3E-07 U | 3.4E-06 J | 1.8E-07 U | -- |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 7.1E-05 J | 6.3E-06 J | 6.3E-05 U | 3E-06 J | 5.7E-06 U | 4.1E-06 J | -- | 3.5E-07 U | 4.5E-07 U | 2.4E-06 J | 4E-07 U | -- |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.0029 | 0.00024 | 0.062 | 0.00019 J+ | 0.00032 | 0.00019 | -- | 1.1E-05 J | 2E-07 U | 6.4E-05 | 1.6E-07 U | -- |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 0.0035 | 0.00044 | 0.0016 | 3.2E-05 J | 4.8E-05 | 2.2E-05 J | -- | 2.9E-06 J | 4.2E-07 U | 5.7E-05 | 3.6E-07 U | -- |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 4.8E-05 J | 1.6E-05 J | 5.1E-05 U | 1E-05 J | 4.6E-06 U | 4.9E-06 J | -- | 7.7E-07 J | 3.6E-07 U | 3.4E-06 J | 3.2E-07 U | -- |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 0.00032 J | 3.6E-05 J | 0.012 | 4.4E-05 J+ | 3.6E-05 J | 4E-05 J | -- | 1.3E-06 J | 2.5E-07 U | 7.7E-06 J | 1.9E-07 U | -- |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.0045 | 0.0003 | 0.087 J | 0.00038 J+ | 0.00058 | 0.00032 | -- | 2.1E-05 | 4.7E-07 U | 0.00011 | 4.1E-07 U | -- |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.0079 | 0.00078 | 0.041 | 0.00015 | 0.00017 | 0.00016 | -- | 1.2E-05 J | 4.5E-07 U | 0.00012 | 3.9E-07 U | -- |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 0.0061 | 0.00063 | 0.018 | 0.00013 | 0.00023 | 9.6E-05 | -- | 7.5E-06 J | 4.4E-07 U | 9.4E-05 | 3.9E-07 U | -- |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 1.6E-05 U | 4.6E-06 U | 4.8E-05 U | 1.3E-06 U | 4.3E-06 U | 5.5E-07 U | -- | 2.6E-07 U | 3.4E-07 U | 2.3E-07 U | 3E-07 U | -- |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 1.7E-05 U | 5.6E-06 J | 6.2E-05 U | 6.4E-06 J | 3.6E-06 U | 3.5E-06 J | -- | 3.3E-07 J | 3.3E-07 U | 2.7E-06 J | 3E-07 U | -- |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 0.0003 U | 2.4E-05 U | 0.00072 U | 4.8E-06 U | 1.2E-05 U | 3.7E-06 U | -- | 5.4E-07 U | 4.6E-07 U | 3.1E-06 U | 4E-07 U | -- |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 0.0019 J | 0.00014 J | 0.0064 | 4.2E-05 | 4.6E-05 | 3E-05 J | -- | 2E-06 J | 4.2E-07 U | 1.9E-05 J | 3.6E-07 U | -- |
| 2,2',3,4',5,6'-Heptachlorobiphenyl (PCB 148) | mg/Kg | | | 0.00027 U | 2.1E-05 U | 0.00064 U | 4.3E-06 U | 1.1E-05 U | 3.3E-06 U | -- | 4.8E-07 U | 4.1E-07 U | 2.8E-06 U | 3.6E-07 U | -- |
| 2,2',3,4,6,6'-Heptachlorobiphenyl (PCB 145) | mg/Kg | | | 0.0002 U | 1.6E-05 U | 0.00046 U | 3.1E-06 U | 7.7E-06 U | 2.4E-06 U | -- | 3.5E-07 U | 3E-07 U | 2E-06 U | 2.6E-07 U | -- |
| 2,2',3,4',6,6'-Heptachlorobiphenyl (PCB 150) | mg/Kg | | | 0.00018 U | 1.4E-05 U | 0.00043 U | 2.9E-06 U | 7.2E-06 U | 2.2E-06 U | -- | 3.2E-07 U | 2.8E-07 U | 1.9E-06 U | 2.4E-07 U | -- |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 0.00047 U | 9.4E-05 U | 0.00074 U | 7.5E-06 U | 2.2E-05 J | 6.6E-06 U | -- | 8.5E-07 U | 4.9E-07 U | 7.8E-06 U | 4E-07 U | -- |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | 2.1E-05 U | 6.8E-06 U | 2.6E-05 U | 4.4E-06 J | 0.00064 | 9.8E-06 J | -- | 6.3E-07 J | 2.5E-07 U | 1.8E-06 J | 1.8E-07 U | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 0.00037 J | 6.8E-05 J | 0.00023 J | 1.4E-05 J | 0.0012 | 2.5E-05 J | -- | 1E-06 J | 4.7E-07 J | 7E-06 J | 1.6E-07 U | -- |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.0083 | 0.001 | 0.0056 | 6.5E-05 | 8.9E-05 | 4.1E-05 | -- | 5.5E-06 J | 4.6E-07 U | 7.9E-05 | 3.8E-07 U | -- |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 0.00019 U | 1.5E-05 U | 0.00044 U | 3E-06 U | 7.4E-06 U | 2.3E-06 U | -- | 3.3E-07 U | 2.8E-07 U | 1.9E-06 U | 2.5E-07 U | -- |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 0.00045 U | 8.9E-05 U | 0.0007 U | 7.1E-06 U | 2.2E-05 J | 6.3E-06 U | -- | 8.1E-07 U | 4.6E-07 U | 7.4E-06 U | 3.8E-07 U | -- |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.039 | 0.0035 | 0.023 | 0.00038 | 0.00089 | 0.00018 | -- | 1.9E-05 J | 6E-07 J | 0.00024 | 4.4E-07 J | -- |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | 1.8E-05 U | 6E-06 U | 2.3E-05 U | 6.8E-07 U | 0.0002 | 2.9E-06 J | -- | 1.9E-07 U | 2.2E-07 U | 1.1E-06 J | 1.6E-07 U | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 0.00023 J | 1.4E-05 J | 5.4E-05 J | 4.1E-06 J | 3.1E-05 J | 6.4E-07 J | -- | 1.7E-07 U | 2E-07 U | 1.1E-06 J | 1.7E-07 U | -- |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | 0.00032 J | 5.9E-06 U | 0.00012 J | 5.9E-06 J | 0.00083 | 1E-05 J | -- | 5.8E-07 J | 2.2E-07 U | 2.3E-06 J | 1.6E-07 U | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | S17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PA-SS-3 | PA-SS-4 | PA-SS-5 | PA-SS-6 | PA-SS-7 | PA-SS-8 | PA-SS-9 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | S17-SS-1 |
| | | | Sample Name | PA-SS-3_SS | PA-SS-4_SS | PA-SS-5_SS | PA-SS-6_SS | PA-SS-7_SS | PA-SS-8_SS | PA-SS-9_SS | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 5.0-6.5 | S17-SS-1_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 11/21/2013 |
| | | | Parent Sample | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 0.00016 J | 6.2E-06 U | 6.3E-05 J | 3.6E-06 J | 0.00032 | 4.8E-06 J | -- | 2.7E-07 U | 2.3E-07 U | 4E-07 U | 1.7E-07 U | -- |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 8.7E-05 J | 5.3E-06 U | 3.3E-05 U | 1.5E-05 J | 0.0018 | 2.2E-05 J | -- | 9.2E-07 J | 5.6E-07 U | 3.1E-06 J | 4.3E-07 U | -- |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 0.00024 U | 4.2E-05 J | 0.00057 U | 8.5E-06 J | 9.5E-06 U | 4.7E-06 J | -- | 4.3E-07 U | 3.7E-07 U | 3.9E-06 J | 3.2E-07 U | -- |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | 0.011 | 0.0037 | 0.0095 | 0.00014 | 0.00015 | 9.7E-05 | -- | 1.7E-05 J | 4.6E-07 U | 0.00021 | 3.8E-07 U | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 0.00023 U | 2E-05 U | 0.00056 U | 2.1E-06 U | 5.3E-06 U | 2.4E-06 U | -- | 3.8E-07 U | 3.1E-07 U | 2.3E-06 U | 2.8E-07 U | -- |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 0.00039 U | 7.8E-05 U | 0.00061 U | 6.2E-06 U | 1.3E-05 U | 5.5E-06 U | -- | 7E-07 U | 4E-07 U | 6.5E-06 U | 3.3E-07 U | -- |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 0.00018 J | 2.6E-05 J | 8.7E-05 J | 1.2E-05 J | 0.0012 | 1.7E-05 J | -- | 8.2E-07 J | 2E-07 U | 3.7E-06 J | 1.5E-07 J | -- |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 9.6E-06 U | 4.3E-06 U | 2.5E-05 U | 6.7E-07 J | 2.3E-06 U | 3.4E-07 U | -- | 1.6E-07 U | 1.7E-07 U | 1.8E-07 U | 1.4E-07 U | -- |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | 7.7E-05 J | 4.9E-06 U | 3.6E-05 J | 3.4E-06 J | 0.00022 | 2.8E-06 J | -- | 2.5E-07 J | 1.8E-07 U | 4.2E-07 J | 2.7E-07 J | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 7.8E-05 J | 3.7E-06 U | 2.3E-05 U | 1E-05 J | 0.0015 | 1.5E-05 J | -- | 7.6E-07 J | 4E-07 U | 2.1E-06 J | 3E-07 U | -- |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.0096 | 0.0025 | 0.0053 | 0.00015 | 0.0036 | 0.0001 | -- | 1.2E-05 J | 1.4E-06 J | 0.00014 | 5E-07 J | -- |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 1.6E-05 U | 6.9E-06 U | 2.1E-05 U | 4.9E-07 J | 1.2E-05 J | 5.1E-07 U | -- | 2E-07 U | 1.7E-07 U | 1.8E-07 J | 1.5E-07 U | -- |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 3.9E-05 J | 5.6E-06 U | 3E-05 U | 2.9E-06 J | 0.00039 | 4.9E-06 J | -- | 3.3E-07 U | 4.1E-07 U | 6.5E-07 J | 3.2E-07 U | -- |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 0.00023 U | 2.4E-05 U | 7.4E-05 U | 5.8E-06 J | 0.00095 | 2.3E-05 J | -- | 2.4E-06 U | 2.4E-06 U | 4.8E-06 J | 1.7E-06 U | -- |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 0.00011 J | 6.6E-06 J | 0.0014 | 1.7E-05 J | 1.4E-05 J | 1.3E-05 J | -- | 1.3E-06 J | 4E-07 U | 8.1E-06 J | 3.7E-07 U | -- |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 0.00032 | 3.6E-05 | 0.0021 | 1.9E-05 J+ | 1.6E-05 J+ | 1.5E-05 | -- | 1.1E-06 J | 6.7E-07 U | 8.9E-06 | 5.4E-07 U | -- |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.0014 J | 0.00014 J | 0.015 | 6.3E-05 | 8.6E-05 | 7.5E-05 | -- | 5.9E-06 J | 2.1E-07 U | 3.4E-05 | 1.6E-07 U | -- |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 0.00028 J | 2.8E-05 J | 0.0043 | 1.5E-05 J | 2.4E-05 J | 1.7E-05 J | -- | 8.7E-07 J | 2E-07 U | 9.1E-06 J | 1.6E-07 U | -- |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.0061 | 0.00074 | 0.015 | 9.8E-05 | 0.00019 | 8.4E-05 | -- | 8.2E-06 J | 3.2E-07 U | 0.00011 | 2.8E-07 U | -- |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.0081 J+ | 0.0034 J+ | 0.012 J+ | 0.00013 J+ | 0.00014 J+ | 0.00019 J+ | -- | 2.9E-05 | 4.4E-07 U | 0.00042 J+ | 3.4E-07 U | -- |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 2.4E-05 U | 5.1E-06 U | 0.00019 U | 2.9E-06 U | 4.5E-06 U | 1.3E-06 U | -- | 2.7E-07 U | 2.1E-07 U | 6.2E-07 U | 1.6E-07 U | -- |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 0.00012 J | 1.3E-05 U | 0.004 | 9.9E-06 J | 4.7E-06 U | 1E-05 J | -- | 2.9E-07 U | 3.8E-07 U | 1.6E-06 U | 3.3E-07 U | -- |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 0.00029 J | 3.4E-05 J | 0.00028 J | 9.5E-06 J | 4.6E-06 U | 8.4E-06 J | -- | 3.5E-07 J | 3.7E-07 U | 6.3E-06 J | 3.2E-07 U | -- |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 0.00024 U | 1.9E-05 U | 0.00056 U | 3.8E-06 U | 9.5E-06 U | 2.9E-06 U | -- | 4.3E-07 U | 3.7E-07 U | 2.5E-06 U | 3.2E-07 U | -- |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 0.00021 U | 1.7E-05 U | 0.00049 U | 3.3E-06 U | 8.3E-06 U | 2.6E-06 U | -- | 3.7E-07 U | 3.2E-07 U | 2.2E-06 U | 2.8E-07 U | -- |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.0039 | 0.00038 | 0.012 | 6.9E-05 | 0.00015 | 5.6E-05 | -- | 5.4E-06 J | 3.5E-07 U | 6E-05 | 3.1E-07 U | -- |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 0.00038 U | 7.6E-05 U | 0.00059 U | 6E-06 U | 1.3E-05 U | 5.3E-06 U | -- | 6.8E-07 U | 3.9E-07 U | 6.3E-06 U | 3.2E-07 U | -- |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 0.00039 U | 0.00013 J | 0.00061 U | 6.1E-06 U | 1.3E-05 U | 5.4E-06 U | -- | 7E-07 U | 4E-07 U | 9.5E-06 J | 3.3E-07 U | -- |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | 0.0013 J | 0.00044 | 0.0016 | 1.6E-05 J | 1.7E-05 J | 2E-05 J | -- | 2.9E-06 J | 3.4E-07 U | 4.9E-05 | 2.8E-07 U | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 0.00057 J | 1.9E-05 U | 8.4E-05 U | 1.3E-06 U | 6.6E-06 U | 2.1E-06 U | -- | 3.3E-07 U | 3.5E-07 U | 1.1E-06 U | 2.7E-07 U | -- |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 0.00091 J | 0.00028 J | 0.00064 J | 2.1E-05 J | 0.00022 | 8.9E-05 | -- | 4.3E-06 J | 6.5E-07 J | 2.8E-05 | 2.9E-07 U | -- |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 0.00024 U | 1.9E-05 U | 0.00057 U | 3.8E-06 U | 9.5E-06 U | 3E-06 U | -- | 4.3E-07 U | 3.7E-07 U | 2.5E-06 U | 3.2E-07 U | -- |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 0.00031 U | 6.1E-05 U | 0.00048 U | 4.9E-06 U | 1.1E-05 U | 4.3E-06 U | -- | 5.6E-07 U | 3.2E-07 U | 5.1E-06 U | 2.6E-07 U | -- |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 0.0003 U | 5.9E-05 U | 0.00047 U | 4.7E-06 U | 1E-05 U | 4.2E-06 U | -- | 5.4E-07 U | 3.1E-07 U | 4.9E-06 U | 2.5E-07 U | -- |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 0.0011 J | 1.8E-05 U | 8.3E-05 U | 1.3E-06 U | 2.1E-05 J | 2.1E-06 U | -- | 3.2E-07 U | 3.4E-07 U | 1.1E-06 U | 2.7E-07 U | -- |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 5.7E-05 U | 1.8E-05 U | 8.3E-05 U | 1.3E-06 U | 6.6E-06 U | 2.1E-06 U | -- | 3.3E-07 U | 3.4E-07 U | 1.1E-06 U | 2.7E-07 U | -- |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.002 | 0.00039 | 0.005 J+ | 3.4E-05 | 2.9E-05 J+ | 3.9E-05 | -- | 4.7E-06 | 3.7E-07 U | 5.6E-05 | 3.1E-07 U | -- |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 0.00044 J+ | 0.00013 J+ | 0.0005 UJ+ | 7E-06 UJ+ | 1.4E-05 UJ+ | 5.9E-06 J+ | -- | 1.2E-06 J | 4.1E-07 U | 1.2E-05 J+ | 3.4E-07 U | -- |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.019 J+ | 0.0078 J+ | 0.019 J+ | 0.00028 J+ | 0.00027 J+ | 0.00028 J+ | -- | 5.2E-05 | 7.5E-07 J | 0.00072 J+ | 6.6E-07 J | -- |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 0.00037 UJ+ | 8.4E-05 J+ | 0.00058 UJ+ | 6.3E-06 UJ+ | 1.3E-05 UJ+ | 5E-06 UJ+ | -- | 7E-07 U | 4.1E-07 U | 9.1E-06 J+ | 3.4E-07 U | -- |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 0.00048 J | 0.00014 J | 0.00025 J | 1.1E-05 J | 0.00012 | 5.1E-05 | -- | 2.5E-06 J | 3.6E-07 U | 1.6E-05 J | 2.8E-07 U | -- |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.0013 J | 0.00094 | 0.0013 | 5.2E-05 | 0.0012 | 0.00016 | -- | 1.1E-05 J | 1.2E-06 J | 7E-05 | 3E-07 U | -- |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 0.00033 U | 6.5E-05 U | 0.00051 U | 5.2E-06 U | 1.1E-05 U | 4.6E-06 U | -- | 5.9E-07 U | 3.4E-07 U | 5.4E-06 U | 2.8E-07 U | -- |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 0.00031 U | 6.1E-05 U | 0.00048 U | 4.9E-06 U | 1.1E-05 U | 4.3E-06 U | -- | 5.5E-07 U | 3.2E-07 U | 5.1E-06 U | 2.6E-07 U | -- |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 7.2E-05 J | 2.3E-05 J | 7.8E-05 U | 1.9E-06 J | 0.0001 | 4.7E-06 J | -- | 3E-07 U | 3.2E-07 U | 2E-06 J | 2.5E-07 U | -- |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 5.2E-05 U | 1.7E-05 U | 7.7E-05 U | 1.7E-06 J | 0.00012 | 3.5E-06 J | -- | 3E-07 U | 3.2E-07 U | 9.9E-07 U | 2.5E-07 U | -- |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 5E-05 U | 1.6E-05 U | 7.4E-05 U | 1.3E-06 J | 7.9E-06 J | 1.8E-06 U | -- | 2.9E-07 U | 3E-07 U | 9.5E-07 U | 2.4E-07 U | -- |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 0.0011 J | 0.00032 | 0.00096 | 3.4E-05 J | 0.0017 | 4.6E-05 | -- | 3.5E-06 J | 4E-07 J | 2.6E-05 | 3E-07 J | -- |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 0.00014 J | 6.2E-06 J | 7.5E-05 J | 2E-05 J | 0.002 | 5.3E-05 | -- | 2.4E-06 J | 3.8E-07 J | 8E-06 J | 2.9E-07 U | -- |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 3E-05 J | 4.6E-06 U | 1.8E-05 U | 4.1E-06 J | 0.00039 | 3.7E-06 J | -- | 3.2E-07 J | 2.9E-07 U | 1.1E-06 J | 2.5E-07 U | -- |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 5.4E-05 U | 1.8E-05 U | 8E-05 U | 1.2E-06 U | 1.2E-05 J | 2E-06 U | -- | 3.1E-07 U | 3.3E-07 U | 1E-06 U | 2.6E-07 U | -- |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | 1.3E-05 U | 4.1E-06 U | 1.6E-05 U | 4.7E-07 U | 4.5E-06 U | 3.5E-07 U | -- | 1.3E-07 U | 1.5E-07 U | 2.6E-07 U | 1.1E-07 U | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 2.1E-05 U | 4.5E-06 U | 1.7E-05 U | 1.3E-06 U | 2.4E-05 U | 2E-06 U | -- | 3.1E-07 U | 2.8E-07 U | 6E-07 U | 2.4E-07 U | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | S17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PA-SS-3 | PA-SS-4 | PA-SS-5 | PA-SS-6 | PA-SS-7 | PA-SS-8 | PA-SS-9 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | S17-SS-1 |
| | | | Sample Name | PA-SS-3_SS | PA-SS-4_SS | PA-SS-5_SS | PA-SS-6_SS | PA-SS-7_SS | PA-SS-8_SS | PA-SS-9_SS | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 5.0-6.5 | S17-SS-1_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 11/21/2013 |
| | | | Parent Sample | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 2.1E-05 U | 4.7E-06 U | 1.8E-05 U | 1.4E-06 U | 2.5E-05 U | 2.1E-06 U | -- | 3.2E-07 U | 2.9E-07 U | 6.3E-07 U | 2.5E-07 U | -- |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 1.7E-05 U | 2.7E-06 U | 1.7E-05 U | 5.3E-07 U | 5E-05 | 6.3E-07 J | -- | 2.2E-07 U | 2.9E-07 U | 2.2E-07 U | 2.2E-07 U | -- |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 1.7E-05 U | 2.8E-06 U | 1.7E-05 U | 2E-06 J | 0.00022 | 2.6E-06 J | -- | 2.3E-07 U | 3E-07 U | 2.4E-07 J | 2.2E-07 U | -- |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 0.00019 U | 3.4E-05 U | 6.7E-05 U | 1.6E-06 U | 6.5E-05 | 4.4E-06 U | -- | 8.4E-07 U | 1.3E-06 U | 1.1E-06 U | 8.9E-07 U | -- |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 0.00019 U | 3.5E-05 U | 6.7E-05 U | 5.4E-06 J | 0.00055 | 2.6E-05 J | -- | 8.4E-07 U | 1.3E-06 U | 3.3E-06 J | 9E-07 U | -- |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 0.00051 J | 3.7E-05 J | 0.00023 J | 1.8E-05 J | 0.0046 | 8.7E-05 | -- | 4.9E-06 J | 7.8E-07 J | 1.6E-05 J | 4.6E-07 J | -- |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 6.7E-05 J | 2.2E-06 U | 3E-05 J | 6.1E-06 J | 0.00081 | 1E-05 J | -- | 5.9E-07 J | 2.3E-07 U | 1.7E-06 J | 1.7E-07 U | -- |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 0.00018 U | 3.2E-05 U | 6.2E-05 U | 1.5E-06 U | 9.1E-05 | 4.1E-06 U | -- | 7.9E-07 U | 1.2E-06 U | 1E-06 U | 8.4E-07 U | -- |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 0.00038 J | 3.4E-05 U | 6.5E-05 U | 2E-05 J | 0.0026 | 5.6E-05 | -- | 2E-06 J | 1.2E-06 U | 5.9E-06 J | 8.7E-07 U | -- |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 0.0002 U | 3.6E-05 U | 7.1E-05 U | 1.8E-06 J | 0.00018 | 1.2E-05 J | -- | 8.9E-07 U | 1.3E-06 U | 1.2E-06 U | 9.5E-07 U | -- |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 0.00014 U | 1.3E-05 U | 4.7E-05 U | 1.5E-06 U | 4.2E-05 J+ | 4.1E-06 U | -- | 1.5E-06 U | 1.7E-06 U | 1.4E-06 U | 1.2E-06 U | -- |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 0.0003 J | 4.4E-06 J | 3.1E-05 J | 8.2E-06 J | 5.4E-05 J | 1.4E-05 J | -- | 8.9E-07 J | 2.1E-07 U | 2.9E-06 J | 1.6E-07 U | -- |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 5.5E-05 U | 1.4E-05 U | 0.00022 UJ+ | 3.5E-06 U | 7.9E-06 UJ+ | 2.1E-06 U | -- | 3.2E-07 U | 4.3E-07 U | 1.8E-06 U | 3.7E-07 U | -- |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 0.00044 UJ+ | 0.00014 J+ | 0.00067 UJ+ | 1.1E-05 UJ+ | 2.1E-05 UJ+ | 1.5E-05 J+ | -- | 1.6E-06 J | 5E-07 U | 2.1E-05 J+ | 4E-07 U | -- |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 0.00038 | 0.00063 | 0.00043 | 2.1E-05 | 2E-05 J+ | 7.8E-05 | -- | 5.2E-06 | 5.3E-07 U | 6.7E-05 | 4E-07 U | -- |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 0.00038 U | 7.5E-05 U | 0.00059 U | 6E-06 U | 1.3E-05 U | 5.3E-06 U | -- | 6.8E-07 U | 3.9E-07 U | 6.3E-06 U | 3.2E-07 U | -- |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 6.4E-05 U | 2.1E-05 U | 9.4E-05 U | 1.5E-06 U | 7.4E-06 U | 2.3E-06 U | -- | 3.7E-07 U | 3.9E-07 U | 1.2E-06 U | 3E-07 U | -- |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 0.00048 J | 0.00021 | 0.00097 | 5E-06 J | 6.4E-06 U | 7.8E-06 J | -- | 3.2E-07 U | 3.3E-07 U | 7.5E-06 J | 2.6E-07 U | -- |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 2.5E-05 U | 5.6E-06 J | 2.1E-05 U | 1.4E-05 J | 5.4E-05 J+ | 8.4E-06 J | -- | 2.4E-06 J | 3.4E-07 U | 4.7E-06 J | 2.9E-07 U | -- |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 5.3E-05 U | 1.7E-05 U | 7.8E-05 U | 1.2E-06 U | 6.1E-06 U | 1.9E-06 U | -- | 3.1E-07 U | 3.2E-07 U | 1E-06 U | 2.5E-07 U | -- |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 2.8E-05 J | 4.7E-06 U | 1.8E-05 U | 1.4E-06 U | 2.5E-05 U | 2.1E-06 U | -- | 3.2E-07 U | 3E-07 U | 6.4E-07 U | 2.6E-07 U | -- |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 0.0002 U | 3.6E-05 U | 6.9E-05 U | 5.8E-05 J+ | 4.6E-05 | 3.6E-05 J | -- | 7.8E-06 J | 3.9E-06 J | 9.1E-06 J | 2.7E-06 J | -- |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 6.8E-05 U | 1.8E-05 U | 0.0001 UJ+ | 2E-06 U | 8.4E-06 UJ+ | 2.3E-06 J | -- | 4.6E-07 U | 5.1E-07 U | 1.6E-06 J | 4E-07 U | -- |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 0.00089 J | 5.1E-05 J | 0.00018 J | 2.6E-05 J | 0.0013 | 0.00011 | -- | 5.9E-06 J | 4.3E-07 U | 2.8E-05 | 3.6E-07 U | -- |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 2.3E-05 U | 5.1E-06 U | 1.9E-05 U | 1.5E-06 U | 2.7E-05 U | 2.3E-06 U | -- | 3.5E-07 U | 3.2E-07 U | 6.8E-07 U | 2.8E-07 U | -- |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 2.2E-05 U | 4.8E-06 U | 1.8E-05 U | 1.4E-06 U | 2.5E-05 U | 2.1E-06 U | -- | 3.3E-07 U | 3E-07 U | 6.4E-07 U | 2.6E-07 U | -- |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 0.00017 U | 3E-05 U | 5.8E-05 U | 1.4E-06 U | 2.3E-05 U | 3.8E-06 U | -- | 7.3E-07 U | 1.1E-06 U | 9.7E-07 U | 7.8E-07 U | -- |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 0.0002 J | 2.4E-06 U | 9.3E-06 U | 1.2E-05 J | 4.3E-06 J | 2E-05 J | -- | 9.1E-07 J | 2.2E-07 U | 2.2E-06 J | 1.6E-07 U | -- |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.005 | 3.4E-05 U | 7.1E-05 U | 2.4E-05 J | 0.001 | 6.2E-05 J+ | -- | 6.4E-06 J | 1.5E-06 U | 1.7E-05 J | 1.1E-06 U | -- |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 0.0024 | 3.3E-06 J | 9.5E-06 U | 1.4E-05 J | 2.4E-05 J | 3.3E-05 J | -- | 1.7E-06 J | 2.3E-07 U | 3.2E-06 J | 1.6E-07 U | -- |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | 0.0094 U | -- | -- | -- | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.0094 U | -- | -- | -- | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.0094 U | -- | -- | -- | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.0094 U | -- | -- | -- | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.0094 UJ | -- | -- | -- | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | 0.13 J | -- | -- | -- | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.1 J | -- | -- | -- | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.095 | 0.019 | 0.075 | 0.053 | 0.0016 | 0.0019 | -- | 0.001 | 3.1E-06 J | 0.0017 | 1.8E-06 J | -- |
| PCB 107/124 | mg/Kg | | | 0.00075 J | 0.00025 J | 0.0011 J | 9.3E-06 J | 1.2E-05 U | 1.2E-05 J | -- | 2E-06 J | 3.6E-07 U | 2.9E-05 J | 3E-07 U | -- |
| PCB 108/124 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.061 | 0.0086 | 0.051 | 0.00061 | 0.00088 | 0.0004 | -- | 5.6E-05 | 1.1E-06 J | 0.00085 | 4.9E-07 J | -- |
| PCB 12/13 | mg/Kg | | | 0.0002 U | 3.6E-05 U | 7E-05 U | 1E-05 J | 0.00014 | 6.5E-05 J | -- | 8.8E-07 U | 1.3E-06 U | 8.1E-06 J | 9.4E-07 U | -- |
| PCB 128/166 | mg/Kg | | | 0.011 | 0.0012 | 0.013 | 0.00014 | 0.00019 | 0.00011 | -- | 1.4E-05 J | 4E-07 U | 0.00022 | 3.5E-07 U | -- |
| PCB 129/138/163 | mg/Kg | | | 0.06 | 0.0068 | 0.19 | 0.0009 | 0.0014 | 0.00081 | -- | 7.9E-05 | 8.3E-07 J | 0.001 | 5.3E-07 J | -- |
| PCB 134/143 | mg/Kg | | | 0.0023 J | 0.00024 J | 0.0038 | 3.5E-05 J | 8.6E-05 J+ | 2.5E-05 J | -- | 2.7E-06 J | 4.8E-07 U | 3E-05 J | 4.2E-07 U | -- |
| PCB 135/151 | mg/Kg | | | 0.01 | 0.00083 | 0.041 | 0.00029 | 0.00054 | 0.00019 | -- | 1.1E-05 J | 4.2E-07 U | 0.00011 | 3.7E-07 U | -- |
| PCB 139/140 | mg/Kg | | | 0.00098 J | 0.00011 J | 0.00062 U | 1.6E-05 J | 2.5E-05 J | 6.4E-06 J | -- | 6E-07 J | 4E-07 U | 1.1E-05 J | 3.5E-07 U | -- |
| PCB 147/149 | mg/Kg | | | 0.031 | 0.0028 | 0.12 | 0.00074 | 0.0014 | 0.00048 | -- | 3.6E-05 J | 4.1E-07 U | 0.00036 | 3.6E-07 U | -- |
| PCB 153/168 | mg/Kg | | | 0.03 | 0.004 | 0.18 J | 0.00064 | 0.00051 | 0.0006 | -- | 5.2E-05 | 6E-07 J | 0.00055 | 3.6E-07 J | -- |
| PCB 156/157 | mg/Kg | | | 0.0053 | 0.0011 | 0.014 J+ | 9.4E-05 | 8.7E-05 | 9.9E-05 | -- | 1.2E-05 | 4.7E-07 U | 0.00017 | 4E-07 U | -- |
| PCB 171/173 | mg/Kg | | | 0.0023 J | 0.00027 J | 0.034 | 0.0001 J+ | 0.00018 | 0.00011 | -- | 6.7E-06 J | 2.7E-07 U | 5.1E-05 | 2.1E-07 U | -- |
| PCB 18/30 | mg/Kg | | | 0.0002 J | 9.8E-06 J | 7.2E-05 J | 2.3E-05 J | 0.0032 | 3.1E-05 J | -- | 1.4E-06 J | 3.4E-07 U | 4.6E-06 J | 2.6E-07 U | -- |
| PCB 180/193 | mg/Kg | | | 0.012 | 0.0013 | 0.24 J | 0.00075 | 0.00099 | 0.00085 | -- | 6.1E-05 | 3.7E-07 J | 0.00032 | 1.7E-07 U | -- |
| PCB 198/199 | mg/Kg | | | 0.0025 J | 0.00011 J | 0.023 | 0.00035 J+ | 0.0003 | 0.0002 | -- | 1.4E-05 J | 4.9E-07 U | 6.4E-05 | 4E-07 U | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt | S17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PA-SS-3 | PA-SS-4 | PA-SS-5 | PA-SS-6 | PA-SS-7 | PA-SS-8 | PA-SS-9 | PP-B-3 | PP-B-3 | PP-B-4 | PP-B-4 | S17-SS-1 |
| | | | Sample Name | PA-SS-3_SS | PA-SS-4_SS | PA-SS-5_SS | PA-SS-6_SS | PA-SS-7_SS | PA-SS-8_SS | PA-SS-9_SS | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 | PP-B-4 5.0-6.5 | S17-SS-1_SS |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 12/13/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 | 3/19/2014 | 11/21/2013 |
| | | | Parent Sample | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 0.00078 J | 3.3E-05 J | 0.00024 J | 5E-05 J | 0.0052 | 0.0001 | -- | 7.4E-06 J | 1.4E-06 J | 2.1E-05 J | 4.7E-07 J | -- |
| PCB 21/33 | mg/Kg | | | 0.00026 J | 8.6E-06 J | 8.3E-05 J | 2.9E-05 J | 0.0032 | 4.7E-05 J | -- | 2.3E-06 J | 3.2E-07 J | 6.9E-06 J | 2.5E-07 U | -- |
| PCB 26/29 | mg/Kg | | | 7E-05 J | 4.7E-06 J | 3.8E-05 J | 8E-06 J | 0.00088 | 1.1E-05 J | -- | 6.2E-07 J | 2.9E-07 U | 2.8E-06 J | 2.5E-07 U | -- |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | 0.001 J | 0.00012 J | 0.00063 J | 2.9E-05 J | 0.002 | 4.8E-05 J | -- | 2.9E-06 J | 6.5E-07 J | 1.4E-05 J | 1.4E-07 U | -- |
| PCB 43/73 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.0045 J | 0.00093 | 0.0018 J | 8.1E-05 J | 0.0037 | 8.5E-05 J | -- | 8.4E-06 J | 1.9E-06 J | 5.3E-05 J | 9.4E-07 J | -- |
| PCB 45/51 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 0.0014 J | 0.00047 | 0.00062 J | 3.7E-05 J | 0.0022 | 4.2E-05 J | -- | 3.5E-06 J | 5.2E-07 J | 2.4E-05 J | 2.2E-07 J | -- |
| PCB 50/53 | mg/Kg | | | 0.00055 J | 4.2E-05 J | 0.00019 J | 9.5E-06 J | 0.00062 | 8.2E-06 J | -- | 5.4E-07 J | 1.8E-07 U | 2.6E-06 J | 1.3E-07 U | -- |
| PCB 59/62/75 | mg/Kg | | | 0.00015 J | 3.9E-06 U | 6.7E-05 J | 5.1E-06 J | 0.00039 | 5.3E-06 J | -- | 5.9E-07 J | 1.4E-07 U | 2.1E-06 J | 1E-07 U | -- |
| PCB 61/70/74/76 | mg/Kg | | | 0.0072 J | 0.003 | 0.0031 J | 0.00013 J | 0.0028 | 0.00023 | -- | 1.9E-05 J | 1.4E-06 J | 0.00014 | 5.3E-07 J | -- |
| PCB 83/99 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | 0.0043 J | 0.0011 | 0.0035 | 5.6E-05 J | 7.2E-05 J | 4.6E-05 J | -- | 7E-06 J | 3.8E-07 U | 8.8E-05 | 3.2E-07 U | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.027 | 0.0044 | 0.018 | 0.00022 J | 0.0002 J | 0.00019 J | -- | 2.5E-05 J | 4.3E-07 J | 0.00034 | 3.9E-07 J | -- |
| PCB 88/91 | mg/Kg | | | 0.0055 | 0.00062 | 0.0024 | 6E-05 J | 0.00026 | 2.3E-05 J | -- | 2.8E-06 J | 4.4E-07 U | 4.2E-05 | 3.6E-07 U | -- |
| PCB 90/101/113 | mg/Kg | | | 0.025 | 0.006 | 0.033 | 0.00033 | 0.00029 | 0.00027 | -- | 3.3E-05 J | 9E-07 J | 0.00044 | 5.4E-07 J | -- |
| PCB 93/100 | mg/Kg | | | 0.00042 U | 8.4E-05 U | 0.00066 U | 6.7E-06 U | 1.5E-05 U | 5.9E-06 U | -- | 7.6E-07 U | 4.4E-07 U | 7E-06 U | 3.6E-07 U | -- |
| PCB 98/102 | mg/Kg | | | 0.00078 J | 7.8E-05 U | 0.00062 U | 6.2E-06 U | 9.7E-05 | 5.5E-06 U | -- | 7.1E-07 U | 4.1E-07 U | 6.5E-06 U | 3.4E-07 U | -- |
| Total Dichlorobiphenyl | mg/Kg | | | 0.0054 J | 3.6E-05 U | 7.4E-05 U | 0.00013 J | 0.0057 J+ | 0.00028 J | -- | 1.6E-05 J | 3.9E-06 J | 4.8E-05 J | 2.7E-06 J | -- |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.046 J+ | 0.0045 J+ | 0.79 | 0.0028 J+ | 0.0041 J+ | 0.0029 | -- | 0.00019 J | 3.7E-07 J | 0.0011 | 5.4E-07 U | -- |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.21 J+ | 0.023 J+ | 0.72 | 0.004 J+ | 0.006 J+ | 0.0032 J | -- | 0.00028 J | 1.4E-06 J | 0.0034 J | 8.9E-07 J | -- |
| Total Monochlorobiphenyl | mg/Kg | | | 0.0029 J | 7.7E-06 J | 3.1E-05 J | 3.4E-05 J | 8.3E-05 J | 6.7E-05 J | -- | 3.5E-06 J | 2.3E-07 U | 8.3E-06 J | 1.6E-07 U | -- |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.0074 J | 0.0016 J | 0.014 | 0.0024 | 0.0004 J | 0.00043 | -- | 7.1E-05 J | 4.9E-07 U | 0.00024 | 5.1E-07 U | -- |
| Total Octachlorobiphenyl | mg/Kg | | | 0.0092 J | 0.00057 J | 0.1 | 0.0013 J+ | 0.0011 J+ | 0.00078 | -- | 6E-05 J | 5.6E-07 U | 0.00027 | 5.2E-07 U | -- |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.23 | 0.044 J+ | 0.19 J+ | 0.0025 | 0.0037 J+ | 0.0019 J | -- | 0.00027 J | 3.8E-06 J | 0.0037 J | 2.5E-06 J | -- |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.032 J+ | 0.0097 J+ | 0.017 J+ | 0.00063 J+ | 0.023 J+ | 0.001 J | -- | 7.6E-05 J | 8.6E-06 J | 0.00061 J | 2.9E-06 J | -- |
| Total Trichlorobiphenyl | mg/Kg | | | 0.0032 J | 0.00016 J | 0.00095 J | 0.00023 J | 0.026 J+ | 0.00051 J | -- | 3E-05 J | 2.9E-06 J | 0.0001 J | 9.3E-07 J | -- |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.65 J+ | 0.1 J+ | **1.9 J+** | 0.066 j+ | 0.072 J+ | 0.013 J | 0.23 J | 0.002 J | 2.4E-05 J | 0.011 J | 1.2E-05 J | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 1.1E-06 J | 1.4E-05 J | 1.6E-06 J | 1.9E-08 J | 5.9E-06 J | 1.5E-06 J | -- | 1.3E-06 J | 3.6E-07 J | 1.2E-05 J | 1.1E-07 J | 3.9E-06 J |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 1.1 J | 14 J | 1.6 J | 0.019 J | 5.9 J | 1.5 J | -- | 1.3 J | 0.36 J | 12 J | 0.11 J | 3.9 J |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | -- | -- | -- | -- | 5.9E-06 J | -- | -- | 1.1E-06 J | 3.6E-07 J | 9.8E-06 J | 1.1E-07 J | 3.9E-06 J |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | -- | -- | -- | -- | 5.9 J | -- | -- | 1.1 J | 0.36 J | 9.8 J | 0.11 J | 3.9 J |
| Total TEQ-PCB Congener Only | mg/Kg | | | 1.1E-06 J | 1.4E-05 J | 1.6E-06 J | 1.9E-08 J | 1.8E-08 J | 1.5E-06 J | -- | 1.6E-07 J | 2.3E-11 J | 2.1E-06 J | 2E-11 J | -- |
| Total TEQ-PCB Congener Only | pg/g | | | 1.1 J | 14 J | 1.6 J | 0.019 J | 0.018 J | 1.5 J | -- | 0.16 J | 2.3E-05 J | 2.1 J | 2E-05 J | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | S17 | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | S17-SS-2 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-10 | BD-10 | BD-11 | BD-11 | BD-12 | BD-12 | BD-13 | BD-14 | BD-14 | BD-15 |
| | | | Sample Name | S17-SS-2_SS | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | BD-1 | | | | | | | BD-13 | | | |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0.5 | 0 | 0.5 | 7 | 0 | 0.5 | 0 |
| | | | End Depth | 0.5 | 5 | 5 | 5 | 5 | 6 | 0.5 | 5 | 0.5 | 1.5 | 0.5 | 1.5 | 7 | 0.5 | 1.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/21/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 9/25/2013 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 5/6/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | SW-1 1E_08/15/13 | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.0012 | 0.00887 J | 0.0166 J | 0.0406 | 0.00939 | 0.00237 | -- | -- | -- | -- | -- | -- | 6.74E-05 J+ | -- | -- | -- |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.0004 | 0.00249 J | 0.00468 J | 0.0101 | 0.00205 | 0.000276 J+ | -- | -- | -- | -- | -- | -- | 5.63E-05 J+ | -- | -- | -- |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.0013 | 0.00283 J | 0.00522 J | 0.0105 | 0.00287 | 0.00281 | -- | -- | -- | -- | -- | -- | 1.28E-05 U | -- | -- | -- |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.00012 J | 0.000162 | 9.36E-05 U | 0.00071 | 0.000173 | 0.000199 | -- | -- | -- | -- | -- | -- | 9.54E-05 J+ | -- | -- | -- |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.00029 J | 0.000608 | 0.00101 | 0.00302 | 0.000657 | 0.000593 | -- | -- | -- | -- | -- | -- | 0.000326 J+ | -- | -- | -- |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.00064 | 0.000563 | 0.000932 | 0.00193 | 0.000527 | 0.000199 | -- | -- | -- | -- | -- | -- | 0.000335 | -- | -- | -- |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 0.00018 J | 0.000262 | 0.000283 | 0.000939 | 0.000239 | 0.000358 | -- | -- | -- | -- | -- | -- | 1.66E-05 U | -- | -- | -- |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.00089 | 0.00283 J | 0.00596 J | 0.0107 | 0.0026 | 0.00161 | -- | -- | -- | -- | -- | -- | 4.18E-05 J+ | -- | -- | -- |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 0.00011 J | 8.48E-05 J | 0.000144 | 0.000267 | 7.06E-05 J | 0.000249 | -- | -- | -- | -- | -- | -- | 3.14E-05 U | -- | -- | -- |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 5.3E-05 J | 0.000184 U | 0.000239 J+ | 0.000158 U | 0.000169 U | 0.000188 | -- | -- | -- | -- | -- | -- | 1.86E-05 U | -- | -- | -- |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 0.00017 J | 0.000206 | 0.000397 | 0.000796 | 0.000213 | 0.000453 | -- | -- | -- | -- | -- | -- | 1.82E-05 U | -- | -- | -- |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.00054 | 0.000298 | 0.0004 | 0.000584 | 0.000182 | 0.000194 | -- | -- | -- | -- | -- | -- | 0.000221 | -- | -- | -- |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 5.6E-05 J | 4.22E-05 J | 7.45E-05 J | 0.00013 | 3.83E-05 J | 0.000163 | -- | -- | -- | -- | -- | -- | 1.16E-05 U | -- | -- | -- |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.00028 J | 0.000159 | 0.000187 | 0.000265 | 9.03E-05 | 0.000148 | -- | -- | -- | -- | -- | -- | 0.000133 J+ | -- | -- | -- |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 0.0002 J | 8.18E-05 J | 0.000179 | 0.000183 | 6.39E-05 J | 0.0001 | -- | -- | -- | -- | -- | -- | 0.000136 | -- | -- | -- |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 6.7E-05 J | 7.02E-05 J | 0.000108 | 0.000214 | 4.67E-05 J | 0.000107 | -- | -- | -- | -- | -- | -- | 3.3E-05 J+ | -- | -- | -- |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 4.6E-05 U | 9.19E-05 U | 3.13E-05 J | 2.63E-05 J | 8.43E-05 U | 3.72E-05 U | -- | -- | -- | -- | -- | -- | 1.36E-05 | -- | -- | -- |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.00081 | 0.000407 | 0.000614 | 0.000548 | 0.000264 | 0.000125 | -- | -- | -- | -- | -- | -- | 0.000616 | -- | -- | -- |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.00029 J | 0.000119 | 0.000221 | 0.000192 | 0.000105 J+ | 5.23E-05 J+ | -- | -- | -- | -- | -- | -- | 9.14E-05 | -- | -- | -- |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 0.00011 J | 0.000508 | 0.000804 | 0.00127 | 0.000203 | 0.000144 | -- | -- | -- | -- | -- | -- | 1.81E-05 U | -- | -- | -- |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 9.9E-05 J | 8.35E-05 J | 0.000118 | 0.000188 | 4.78E-05 J | 0.000105 | -- | -- | -- | -- | -- | -- | 3.4E-05 J+ | -- | -- | -- |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 4.3E-05 U | 9.19E-05 U | 3.83E-05 J | 3.98E-05 J | 8.43E-05 U | 5.1E-05 | -- | -- | -- | -- | -- | -- | 2.49E-05 J+ | -- | -- | -- |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 0.00017 J | 0.000126 | 0.00017 | 0.000267 | 7.56E-05 J | 0.000114 J+ | -- | -- | -- | -- | -- | -- | 6.05E-05 J+ | -- | -- | -- |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | 6.9E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.00019 J | 0.000123 | 0.000185 | 0.000177 | 8.15E-05 J | 3.77E-05 | -- | -- | -- | -- | -- | -- | 0.000147 | -- | -- | -- |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.00044 | 0.000192 | 0.00038 | 0.000293 | 0.000157 | 6.23E-05 | -- | -- | -- | -- | -- | -- | 0.000116 | -- | -- | -- |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.0003 J | 0.00159 J | 0.00267 J | 0.00639 | 0.00131 | 0.000256 | -- | -- | -- | -- | -- | -- | 2.11E-05 U | -- | -- | -- |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 7.7E-05 J | 7.77E-05 J | 0.000134 | 0.000284 | 5.99E-05 J | 0.000308 | -- | -- | -- | -- | -- | -- | 1.83E-05 U | -- | -- | -- |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 1.9E-05 J | 9.19E-05 U | 4.69E-05 J | 8.89E-05 | 8.43E-05 U | 7.98E-05 | -- | -- | -- | -- | -- | -- | 2.73E-05 U | -- | -- | -- |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 2.5E-05 J | 3.67E-05 J | 4.82E-05 J | 0.000135 | 3.19E-05 J | 9.52E-05 | -- | -- | -- | -- | -- | -- | 1.1E-05 U | -- | -- | -- |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.0003 J | 0.000663 J | 0.00112 J | 0.0029 | 0.000751 | 0.00044 | -- | -- | -- | -- | -- | -- | 0.000159 | -- | -- | -- |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 0.00016 J | 0.000143 | 0.00024 J+ | 0.000435 | 0.000127 | 5.28E-05 | -- | -- | -- | -- | -- | -- | 0.000122 | -- | -- | -- |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 5E-05 J | 2.87E-05 J | 5.51E-05 J | 0.000125 | 2.47E-05 J | 0.00014 | -- | -- | -- | -- | -- | -- | 7.84E-06 U | -- | -- | -- |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 2.5E-05 J | 0.000184 U | 0.000187 U | 0.000158 U | 0.000169 U | 1.55E-05 U | -- | -- | -- | -- | -- | -- | 2.41E-05 U | -- | -- | -- |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.00056 | 0.000764 | 0.001 | 0.00149 | 0.000306 | 0.000193 | -- | -- | -- | -- | -- | -- | 0.00017 | -- | -- | -- |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.00044 | 0.000305 | 0.000502 | 0.000536 J+ | 0.000234 | 0.000234 | -- | -- | -- | -- | -- | -- | 0.000353 | -- | -- | -- |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 0.00032 J | 0.000174 | 0.000281 | 0.000394 | 0.000146 | 0.00014 | -- | -- | -- | -- | -- | -- | 0.000218 | -- | -- | -- |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 4.6E-06 U | 9.19E-05 U | 1.05E-05 J | 2.12E-05 J | 8.43E-05 U | 2.28E-05 | -- | -- | -- | -- | -- | -- | 8.26E-06 U | -- | -- | -- |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 2.4E-05 J | 2.32E-05 J | 4.14E-05 J | 8.76E-05 | 1.47E-05 J | 9.71E-05 | -- | -- | -- | -- | -- | -- | 9.5E-06 U | -- | -- | -- |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 4.3E-05 U | 9.19E-05 U | 2.65E-05 J | 7.92E-05 U | 8.43E-05 U | 4.63E-05 U | -- | -- | -- | -- | -- | -- | 9.02E-06 U | -- | -- | -- |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 8.7E-05 J | 4.54E-05 J | 9.41E-05 | 0.000119 J+ | 4E-05 J | 2.18E-05 | -- | -- | -- | -- | -- | -- | 6.31E-05 | -- | -- | -- |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 3.8E-05 U | 9.19E-05 U | 9.36E-05 U | 2.44E-05 J | 8.43E-05 U | 3.14E-05 | -- | -- | -- | -- | -- | -- | 1.07E-05 U | -- | -- | -- |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 2.7E-05 U | 9.19E-05 U | 8.83E-06 J | 2.07E-05 J | 8.43E-05 U | 1.18E-05 | -- | -- | -- | -- | -- | -- | 7.83E-06 U | -- | -- | -- |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 2.5E-05 U | 1E-05 J | 1.75E-05 J | 4.14E-05 J | 8.43E-05 U | 2.17E-05 | -- | -- | -- | -- | -- | -- | 7.33E-06 U | -- | -- | -- |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 4.9E-05 U | 9.19E-05 U | 9.36E-05 U | 2.18E-05 J | 8.43E-05 U | 4.86E-05 J+ | -- | -- | -- | -- | -- | -- | 7.17E-06 U | -- | -- | -- |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | 0.0002 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 0.00042 | 2.54E-05 J | 5.01E-05 J | 9.87E-05 | 8.43E-05 U | 1.67E-05 J | -- | -- | -- | -- | -- | -- | 5.2E-06 U | -- | -- | -- |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.00033 J | 0.000179 | 0.000321 | 0.000296 | 0.000145 | 7.18E-05 | -- | -- | -- | -- | -- | -- | 0.000218 | -- | -- | -- |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 2.6E-05 U | 9.19E-05 U | 8.68E-06 J | 2.04E-05 J | 8.43E-05 U | 1.24E-05 J+ | -- | -- | -- | -- | -- | -- | 8.1E-06 U | -- | -- | -- |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 4.7E-05 U | 9.19E-05 U | 9.36E-05 U | 1.35E-05 J | 8.43E-05 U | 7.62E-06 J | -- | -- | -- | -- | -- | -- | 6.48E-06 U | -- | -- | -- |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.0012 | 0.000652 | 0.00115 J+ | 0.000988 | 0.000577 | 0.000175 | -- | -- | -- | -- | -- | -- | 0.000589 | -- | -- | -- |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | 7.1E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 1.4E-05 J | 1.16E-05 J | 1.12E-05 J | 2.32E-05 J | 8.43E-05 U | 5.09E-06 J | -- | -- | -- | -- | -- | -- | 5.02E-06 U | -- | -- | -- |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | 0.00023 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | S17 | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | S17-SS-2 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-10 | BD-10 | BD-11 | BD-11 | BD-12 | BD-12 | BD-13 | BD-14 | BD-14 | BD-15 |
| | | | Sample Name | S17-SS-2_SS | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | BD-1 | | | | | | | BD-13 | | | |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0.5 | 0 | 0.5 | 7 | 0 | 0.5 | 0 |
| | | | End Depth | 0.5 | 5 | 5 | 5 | 5 | 6 | 0.5 | 5 | 0.5 | 1.5 | 0.5 | 1.5 | 7 | 0.5 | 1.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/21/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 9/25/2013 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 5/6/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | SW-1 1E_08/15/13 | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 9.4E-05 J | 3.68E-05 U | 1.38E-05 J | 2.35E-05 J | 3.37E-05 U | 9.81E-06 | -- | -- | -- | -- | -- | -- | 7.2E-06 U | -- | -- | -- |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 0.0005 | 2.19E-05 J | 4.86E-05 | 0.000124 J+ | 6.98E-05 | 3.03E-05 | -- | -- | -- | -- | -- | -- | 1.13E-05 U | -- | -- | -- |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 3.4E-05 U | 2.36E-05 J | 5.44E-05 J | 0.000146 J | 3.25E-05 J | 1.99E-05 J | -- | -- | -- | -- | -- | -- | 9.12E-06 U | -- | -- | -- |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | 0.00094 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 2.4E-05 U | 9.19E-05 U | 1.15E-05 J | 2.9E-05 J | 8.43E-05 U | 2.19E-05 | -- | -- | -- | -- | -- | -- | 7.43E-06 U | -- | -- | -- |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 4.1E-05 U | 9.19E-05 U | 9.36E-05 U | 2.1E-05 J | 8.43E-05 U | 1.55E-05 | -- | -- | -- | -- | -- | -- | 5.88E-06 U | -- | -- | -- |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 0.00036 J | 2.95E-05 J | 4.69E-05 J | 9.84E-05 | 3.17E-05 J | 2.66E-05 J+ | -- | -- | -- | -- | -- | -- | 5.54E-06 U | -- | -- | -- |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 4.1E-06 U | 9.19E-05 U | 9.36E-05 U | 1.34E-05 J | 8.43E-05 U | 4.78E-06 J+ | -- | -- | -- | -- | -- | -- | 4.45E-06 U | -- | -- | -- |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | 4.6E-05 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 0.00037 J | 3.84E-05 | 6.73E-05 J+ | 0.000219 | 9.68E-05 | 2.62E-05 J+ | -- | -- | -- | -- | -- | -- | 8.85E-06 U | -- | -- | -- |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.0016 | 0.000458 J | 0.000834 J | 0.00095 | 0.000481 | 0.000218 J+ | -- | -- | -- | -- | -- | -- | 0.000193 | -- | -- | -- |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 5.1E-06 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 1.94E-06 U | -- | -- | -- | -- | -- | -- | 4.19E-06 U | -- | -- | -- |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 5.4E-05 J | 3.68E-05 U | 3.75E-05 U | 3.16E-05 J | 2.14E-05 J | 6.17E-06 J+ | -- | -- | -- | -- | -- | -- | 7.73E-06 U | -- | -- | -- |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 0.0002 J | 9.58E-05 | 9.2E-05 J | 0.000343 | 0.000503 | 0.000114 | -- | -- | -- | -- | -- | -- | 3.18E-06 U | -- | -- | -- |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 9.3E-05 J | 0.0003 J | 0.000819 J | 0.00109 | 0.000296 J+ | 0.00038 | -- | -- | -- | -- | -- | -- | 2.33E-05 U | -- | -- | -- |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 5.8E-05 | 6.09E-05 J | 0.000102 J+ | 0.000296 | 8.24E-05 J | 0.00017 | -- | -- | -- | -- | -- | -- | 2.25E-05 U | -- | -- | -- |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.00014 J | 0.000167 | 0.000279 | 0.00055 | 0.000164 | 0.00019 | -- | -- | -- | -- | -- | -- | 5.71E-05 | -- | -- | -- |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 3.9E-05 J | 7.25E-05 J | 0.000162 | 0.000372 | 9.11E-05 J+ | 0.000116 | -- | -- | -- | -- | -- | -- | 2.28E-05 U | -- | -- | -- |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.00033 J | 0.00029 | 0.000449 | 0.000906 | 0.00027 | 9.4E-05 J+ | -- | -- | -- | -- | -- | -- | 0.000262 | -- | -- | -- |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.0013 J+ | 0.000853 | 0.00132 | 0.00214 J- | 0.000743 | 0.000225 | -- | -- | -- | -- | -- | -- | 0.000846 | -- | -- | -- |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 1.5E-05 J | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 6.83E-05 | -- | -- | -- | -- | -- | -- | 2.18E-05 U | -- | -- | -- |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 1.1E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 7.15E-05 | -- | -- | -- | -- | -- | -- | 1.31E-05 U | -- | -- | -- |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 1.3E-05 J | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 8.86E-05 | -- | -- | -- | -- | -- | -- | 1.2E-05 U | -- | -- | -- |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 3.4E-05 U | 0.000368 U | 0.000375 U | 0.000317 U | 0.000337 U | 4.03E-05 J | -- | -- | -- | -- | -- | -- | 5.75E-06 U | -- | -- | -- |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 2.9E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 4.25E-05 | -- | -- | -- | -- | -- | -- | 6.09E-06 U | -- | -- | -- |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.00022 J | 8.33E-05 J | 0.000168 | 0.000196 | 7.7E-05 J | 0.000103 J+ | -- | -- | -- | -- | -- | -- | 0.000155 | -- | -- | -- |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 4E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 0.000173 | -- | -- | -- | -- | -- | -- | 1.55E-05 U | -- | -- | -- |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 4E-05 U | 9.19E-05 U | 9.36E-05 U | 4.38E-05 J | 8.43E-05 U | 2.09E-05 U | -- | -- | -- | -- | -- | -- | 1.74E-05 U | -- | -- | -- |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | 0.00016 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 1.6E-05 U | 9.19E-05 U | 1.01E-05 J | 7.92E-05 U | 8.43E-05 U | 7.58E-06 J | -- | -- | -- | -- | -- | -- | 4.62E-06 U | -- | -- | -- |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 0.00044 | 8.37E-05 J | 0.000147 | 0.000238 | 9.39E-05 | 0.000104 | -- | -- | -- | -- | -- | -- | 3.01E-05 J+ | -- | -- | -- |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 3.4E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 3.26E-05 U | -- | -- | -- | -- | -- | -- | 6.3E-06 U | -- | -- | -- |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 3.2E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 3.08E-05 | -- | -- | -- | -- | -- | -- | 8.36E-06 U | -- | -- | -- |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 3.1E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 1.25E-05 | -- | -- | -- | -- | -- | -- | 9.21E-06 U | -- | -- | -- |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 1.6E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 1.52E-05 | -- | -- | -- | -- | -- | -- | 4.81E-06 U | -- | -- | -- |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 1.6E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 3.72E-06 J | -- | -- | -- | -- | -- | -- | 4.47E-06 U | -- | -- | -- |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.00018 | 0.000189 | 0.000324 | 0.000853 | 0.000244 | 0.000167 | -- | -- | -- | -- | -- | -- | 0.000127 | -- | -- | -- |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 5.4E-05 J+ | 6.72E-05 J | 7.93E-05 J | 0.000213 | 5.58E-05 J | 0.000187 | -- | -- | -- | -- | -- | -- | 2.63E-05 J+ | -- | -- | -- |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.0022 | 0.00227 | 0.00345 | 0.0068 J- | 0.00215 | 0.000482 | -- | -- | -- | -- | -- | -- | 0.0021 | -- | -- | -- |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 3.8E-05 U | 5.07E-05 J | 7.57E-05 J | 0.000216 | 8.43E-05 U | 2.01E-05 U | -- | -- | -- | -- | -- | -- | 1.78E-05 U | -- | -- | -- |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | 0.0029 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 0.00024 J | 0.000116 | 0.000183 | 0.000673 | 0.000166 | 8.18E-05 | -- | -- | -- | -- | -- | -- | 9.36E-06 J | -- | -- | -- |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.0011 | 0.000784 | 0.00125 | 0.00479 | 0.00105 | 0.000125 | -- | -- | -- | -- | -- | -- | 8.34E-05 | -- | -- | -- |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 3.4E-05 U | 9.19E-05 U | 1.81E-05 J | 4.15E-05 J | 8.43E-05 U | 3.82E-05 | -- | -- | -- | -- | -- | -- | 8.73E-06 U | -- | -- | -- |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 3.2E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 1.52E-05 | -- | -- | -- | -- | -- | -- | 8.34E-06 U | -- | -- | -- |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 4.8E-05 J | 9.19E-05 U | 2.67E-05 J | 6.11E-05 J | 8.43E-05 U | 6.85E-05 | -- | -- | -- | -- | -- | -- | 4.9E-06 U | -- | -- | -- |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 2.7E-05 J | 1.4E-05 J | 2.64E-05 J | 4.68E-05 J | 8.43E-05 U | 1.21E-05 | -- | -- | -- | -- | -- | -- | 4.25E-06 U | -- | -- | -- |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 1.4E-05 U | 9.19E-05 U | 8.82E-06 J | 2.13E-05 J | 8.43E-05 U | 1.82E-05 | -- | -- | -- | -- | -- | -- | 3.94E-06 U | -- | -- | -- |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 0.0006 | 6.41E-05 J | 0.000113 | 0.000187 | 7.35E-05 J | 4.36E-05 | -- | -- | -- | -- | -- | -- | 3.77E-05 | -- | -- | -- |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 0.00089 | 5.4E-05 | 8.35E-05 | 0.000235 | 0.000102 | 6.75E-05 J+ | -- | -- | -- | -- | -- | -- | 4.35E-06 U | -- | -- | -- |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 8.9E-05 J | 1.63E-05 J | 2.72E-05 J | 9.28E-05 | 1.99E-05 J | 4.14E-05 U | -- | -- | -- | -- | -- | -- | 3.17E-06 U | -- | -- | -- |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 1.6E-05 U | 9.19E-05 U | 8.14E-06 J | 1.32E-05 J | 8.43E-05 U | 2.9E-05 | -- | -- | -- | -- | -- | -- | 4.48E-06 U | -- | -- | -- |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | 5E-06 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 2.5E-05 U | 3.68E-05 U | 3.75E-05 U | 4.1E-05 U | 3.37E-05 U | 5.32E-05 U | -- | -- | -- | -- | -- | -- | 4.2E-06 U | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | S17 | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | S17-SS-2 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-10 | BD-10 | BD-11 | BD-11 | BD-12 | BD-12 | BD-13 | BD-14 | BD-14 | BD-15 |
| | | | Sample Name | S17-SS-2_SS | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | BD-1 | | | | | | | BD-13 | | | |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0.5 | 0 | 0.5 | 7 | 0 | 0.5 | 0 |
| | | | End Depth | 0.5 | 5 | 5 | 5 | 5 | 6 | 0.5 | 5 | 0.5 | 1.5 | 0.5 | 1.5 | 7 | 0.5 | 1.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/21/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 9/25/2013 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 5/6/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | SW-1 1E_08/15/13 | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 2.6E-05 U | 3.68E-05 U | 3.75E-05 U | 4.28E-05 U | 3.37E-05 U | 5.97E-05 U | -- | -- | -- | -- | -- | -- | 4.53E-06 U | -- | -- | -- |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 1.2E-05 U | 3.68E-05 U | 8.25E-06 J | 3.17E-05 U | 3.37E-05 U | 1.27E-05 | -- | -- | -- | -- | -- | -- | 5.82E-06 U | -- | -- | -- |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 6E-05 J | 3.68E-05 U | 9.96E-06 J | 2.9E-05 J | 3.37E-05 U | 8.5E-06 | -- | -- | -- | -- | -- | -- | 6.37E-06 U | -- | -- | -- |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 0.00013 U | 3.68E-05 U | 3.75E-05 U | 3.17E-05 U | 3.37E-05 U | 1.81E-06 U | -- | -- | -- | -- | -- | -- | 1.93E-05 U | -- | -- | -- |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 0.00026 J | 4.71E-05 | 6.9E-05 | 0.000192 | 0.00013 | 9.7E-05 | -- | -- | -- | -- | -- | -- | 1.8E-05 U | -- | -- | -- |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 0.0014 | 0.000222 | 0.000343 | 0.000959 | 0.000356 | 0.000147 | -- | -- | -- | -- | -- | -- | 6.02E-06 J | -- | -- | -- |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 0.00026 J | 4.13E-05 J+ | 6.55E-05 J+ | 0.000207 | 8.63E-05 | 1.98E-05 | -- | -- | -- | -- | -- | -- | 6.12E-06 U | -- | -- | -- |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 0.00012 U | 1.87E-05 J | 2.84E-05 J | 7.2E-05 | 6.58E-05 | 1.42E-05 | -- | -- | -- | -- | -- | -- | 1.69E-05 U | -- | -- | -- |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 0.00066 | 0.00049 | 0.000632 | 0.00201 | 0.00203 | 0.000146 | -- | -- | -- | -- | -- | -- | 1.74E-05 U | -- | -- | -- |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 0.00013 U | 3.63E-05 J | 4.15E-05 | 8.74E-05 | 8.71E-05 | 3.49E-05 | -- | -- | -- | -- | -- | -- | 1.91E-05 U | -- | -- | -- |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 3.7E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 3.59E-06 U | -- | -- | -- | -- | -- | -- | 2.1E-06 U | -- | -- | -- |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 0.00029 J | 0.00104 | 0.00108 | 0.00202 | 0.00318 | 4.02E-05 | -- | -- | -- | -- | -- | -- | 1.12E-05 U | -- | -- | -- |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 1.4E-05 U | 9.19E-05 U | 9.36E-05 U | 8.24E-05 U | 8.43E-05 U | 4.74E-05 U | -- | -- | -- | -- | -- | -- | 1.5E-05 U | -- | -- | -- |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 5.4E-05 UJ+ | 9.19E-05 U | 9.36E-05 U | 0.00012 J+ | 8.43E-05 U | 5.94E-05 J+ | -- | -- | -- | -- | -- | -- | 1.92E-05 U | -- | -- | -- |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 0.00028 | 0.000119 | 0.000204 | 0.000513 | 0.00016 J+ | 6.56E-05 | -- | -- | -- | -- | -- | -- | 1.2E-05 J+ | -- | -- | -- |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 4E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 4.49E-05 J+ | -- | -- | -- | -- | -- | -- | 1.53E-05 U | -- | -- | -- |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 1.8E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 2.68E-05 J+ | -- | -- | -- | -- | -- | -- | 3.96E-06 U | -- | -- | -- |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 4.7E-05 J | 1.91E-05 J | 7.23E-05 J | 8.56E-05 J+ | 8.43E-05 U | 4.82E-05 J+ | -- | -- | -- | -- | -- | -- | 2.56E-05 J+ | -- | -- | -- |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 0.00013 J | 2.51E-05 J | 4.51E-05 | 0.000102 | 2.28E-05 J | 6.15E-05 U | -- | -- | -- | -- | -- | -- | 4.45E-06 U | -- | -- | -- |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 1.5E-05 U | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 2.02E-05 J+ | -- | -- | -- | -- | -- | -- | 3.43E-06 U | -- | -- | -- |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 2.7E-05 U | 3.68E-05 U | 3.75E-05 U | 4.06E-05 U | 3.37E-05 U | 5.36E-05 U | -- | -- | -- | -- | -- | -- | 4.14E-06 U | -- | -- | -- |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 0.00074 J+ | 5.3E-05 J+ | 7.08E-05 J+ | 0.000151 J+ | 5.02E-05 J+ | 8.89E-05 J+ | -- | -- | -- | -- | -- | -- | 1.89E-05 U | -- | -- | -- |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 2.2E-05 U | 9.19E-05 U | 2.53E-05 J | 6.28E-05 J | 2.3E-05 J | 8.39E-05 | -- | -- | -- | -- | -- | -- | 4.92E-06 U | -- | -- | -- |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 0.0011 | 0.000492 | 0.000728 | 0.00272 J- | 0.000781 | 0.000195 J+ | -- | -- | -- | -- | -- | -- | 5.74E-06 U | -- | -- | -- |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 2.9E-05 U | 3.68E-05 U | 3.75E-05 U | 4.66E-05 U | 3.37E-05 U | 5.98E-05 U | -- | -- | -- | -- | -- | -- | 4.46E-06 U | -- | -- | -- |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 2.7E-05 U | 3.68E-05 U | 3.75E-05 U | 3.83E-05 U | 3.37E-05 U | 5.2E-05 U | -- | -- | -- | -- | -- | -- | 3.9E-06 U | -- | -- | -- |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 0.00011 U | 3.68E-05 U | 3.75E-05 U | 3.17E-05 U | 3.37E-05 U | 1.5E-05 | -- | -- | -- | -- | -- | -- | 1.91E-05 U | -- | -- | -- |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 0.00025 J | 0.000192 | 0.000239 | 0.0005 | 0.000445 | 5.08E-05 J+ | -- | -- | -- | -- | -- | -- | 1.09E-05 U | -- | -- | -- |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.00077 J+ | 0.0029 | 0.00407 | 0.0145 | 0.00737 | 0.00047 | -- | -- | -- | -- | -- | -- | 2.15E-05 U | -- | -- | -- |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 0.00018 J | 0.00133 | 0.00172 | 0.0039 | 0.00526 | 7.81E-05 J+ | -- | -- | -- | -- | -- | -- | 1.28E-05 U | -- | -- | -- |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.018 U | -- | 0.18 U | 0.019 U | 0.18 U |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.035 U | -- | 0.035 U | 0.037 U | 0.035 U | 0.036 U | -- | 0.35 U | 0.037 U | 0.35 U |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.018 U | -- | 0.18 U | 0.019 U | 0.18 U |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.018 U | -- | 0.18 U | 0.019 U | 0.18 U |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.018 U | -- | 0.18 U | 0.019 U | 0.18 U |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | 0.082 J+ | -- | 0.02 U | 0.021 U | 0.02 U | 0.021 U | -- | 0.2 U | 0.042 | 0.2 U |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.018 U | -- | 0.18 U | 0.019 U | 0.18 U |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.06 J | 0.706 J- | 1.05 J- | 1.52 J- | 0.806 J- | 0.0297 | -- | -- | -- | -- | -- | -- | 0.000581 | -- | -- | -- |
| PCB 107/124 | mg/Kg | | | 0.00011 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 108/124 | mg/kg | | | -- | 5.78E-05 J | 9.46E-05 J | 0.000118 J | 3.78E-05 J | 6.24E-05 | -- | -- | -- | -- | -- | -- | 5.67E-05 | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.0029 | 0.00108 J | 0.00204 J | 0.00179 | 0.0009 | 0.000431 | -- | -- | -- | -- | -- | -- | 0.00174 | -- | -- | -- |
| PCB 12/13 | mg/Kg | | | 0.00033 J | 0.000125 | 0.000153 | 0.000475 | 0.000213 | 0.000262 | -- | -- | -- | -- | -- | -- | 1.97E-05 U | -- | -- | -- |
| PCB 128/166 | mg/Kg | | | 0.00055 J | 0.000386 | 0.000653 | 0.000757 | 0.000271 J+ | 0.000128 J+ | -- | -- | -- | -- | -- | -- | 0.000431 | -- | -- | -- |
| PCB 129/138/163 | mg/Kg | | | 0.0029 | 0.00191 | 0.00307 | 0.00491 | 0.00167 | 0.000475 | -- | -- | -- | -- | -- | -- | 0.00222 | -- | -- | -- |
| PCB 134/143 | mg/Kg | | | 0.00011 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 135/151 | mg/Kg | | | 0.00051 J | 0.000319 | 0.000448 | 0.00052 | 0.000212 | 0.000156 | -- | -- | -- | -- | -- | -- | 0.000396 | -- | -- | -- |
| PCB 139/140 | mg/Kg | | | 4.1E-05 J | 5.01E-05 J | 7.14E-05 J | 0.000171 | 3.88E-05 J | 5.27E-05 | -- | -- | -- | -- | -- | -- | 3.64E-05 J+ | -- | -- | -- |
| PCB 147/149 | mg/Kg | | | 0.0015 | 0.000765 | 0.00118 | 0.00123 | 0.000517 | 0.000273 | -- | -- | -- | -- | -- | -- | 0.00104 | -- | -- | -- |
| PCB 153/168 | mg/Kg | | | 0.0019 | 0.00282 | 0.00447 | 0.0104 | 0.00274 | 0.000391 | -- | -- | -- | -- | -- | -- | 0.00118 | -- | -- | -- |
| PCB 156/157 | mg/Kg | | | 0.00052 | 0.000418 | 0.000708 | 0.00119 | 0.000398 | 0.000234 | -- | -- | -- | -- | -- | -- | 0.000449 | -- | -- | -- |
| PCB 171/173 | mg/Kg | | | 0.00023 J | 0.000183 J | 0.000303 | 0.00062 | 0.000179 | 0.000419 | -- | -- | -- | -- | -- | -- | 8.91E-05 J+ | -- | -- | -- |
| PCB 18/30 | mg/Kg | | | 0.00083 | 2.79E-05 J | 9.36E-05 U | 7.92E-05 U | 6.72E-05 J | 7.21E-05 | -- | -- | -- | -- | -- | -- | 7.25E-06 U | -- | -- | -- |
| PCB 180/193 | mg/Kg | | | 0.0014 | 0.00286 | 0.00463 | 0.0109 | 0.00247 | 0.000557 | -- | -- | -- | -- | -- | -- | 0.000399 | -- | -- | -- |
| PCB 198/199 | mg/Kg | | | 0.00047 J | 0.00181 | 0.00279 | 0.00437 | 0.000723 | 0.000693 | -- | -- | -- | -- | -- | -- | 9.12E-05 J+ | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | S17 | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | S17-SS-2 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-1 | BD-10 | BD-10 | BD-11 | BD-11 | BD-12 | BD-12 | BD-13 | BD-14 | BD-14 | BD-15 |
| | | | Sample Name | S17-SS-2_SS | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | BD-1 | | | | | | | BD-13 | | | |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0.5 | 0 | 0.5 | 7 | 0 | 0.5 | 0 |
| | | | End Depth | 0.5 | 5 | 5 | 5 | 5 | 6 | 0.5 | 5 | 0.5 | 1.5 | 0.5 | 1.5 | 7 | 0.5 | 1.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 11/21/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 9/25/2013 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 5/6/2011 | 5/6/2011 | 5/6/2011 |
| | | | Parent Sample | | | SW-1 1E_08/15/13 | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 0.002 | 0.00114 | 0.00168 | 0.00663 | 0.00184 | 0.000103 | -- | -- | -- | -- | -- | -- | 4.19E-06 U | -- | -- | -- |
| PCB 21/33 | mg/Kg | | | 0.00091 | 7.61E-05 J | 0.000131 | 0.000301 | 0.000133 | 6.89E-05 J+ | -- | -- | -- | -- | -- | -- | 3.79E-06 U | -- | -- | -- |
| PCB 26/29 | mg/Kg | | | 0.00015 J | 3.76E-05 J | 6.4E-05 J | 9.3E-05 | 3.5E-05 J | 5.7E-05 U | -- | -- | -- | -- | -- | -- | 4.33E-06 U | -- | -- | -- |
| PCB 40/41/71 | mg/kg | | | -- | 0.000104 J | 0.000138 J | 0.000246 | 9.27E-05 J | 0.000128 | -- | -- | -- | -- | -- | -- | 6.01E-06 U | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | 0.00072 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 43/73 | mg/kg | | | -- | 9.19E-05 U | 9.36E-05 U | 7.92E-05 U | 8.43E-05 U | 1.17E-05 J+ | -- | -- | -- | -- | -- | -- | 5.21E-06 U | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.0015 | 0.000351 | 0.000187 U | 0.00166 | 0.000474 | 0.000138 | -- | -- | -- | -- | -- | -- | 5.05E-06 U | -- | -- | -- |
| PCB 45/51 | mg/kg | | | -- | 9.19E-05 U | 1.45E-05 J | 3.01E-05 J | 8.43E-05 U | 1.7E-05 J+ | -- | -- | -- | -- | -- | -- | 6.08E-06 U | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 0.00075 J | 0.000102 J | 0.000192 | 0.000394 J+ | 0.00013 J | 6.73E-05 J+ | -- | -- | -- | -- | -- | -- | 2.26E-05 | -- | -- | -- |
| PCB 50/53 | mg/Kg | | | 0.00017 J | 1.59E-05 J | 3.46E-05 J | 6.13E-05 J | 1.93E-05 J | 2.08E-05 J | -- | -- | -- | -- | -- | -- | 5.86E-06 U | -- | -- | -- |
| PCB 59/62/75 | mg/Kg | | | 0.00013 J | 3.78E-05 J | 5.43E-05 J | 0.000176 | 5.78E-05 J | 6.45E-05 J+ | -- | -- | -- | -- | -- | -- | 4.56E-06 U | -- | -- | -- |
| PCB 61/70/74/76 | mg/Kg | | | 0.0018 | 0.00096 | 0.00152 | 0.0036 | 0.00117 | 0.000358 | -- | -- | -- | -- | -- | -- | 0.00018 | -- | -- | -- |
| PCB 83/99 | mg/kg | | | -- | 0.00102 | 0.00161 | 0.00376 | 0.00105 | 0.000166 | -- | -- | -- | -- | -- | -- | 0.000476 | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | 0.000397 | 0.000604 | 0.00115 | 0.000387 | 0.000212 | -- | -- | -- | -- | -- | -- | 0.000241 | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | 0.0004 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.0015 J | 0.000834 | 0.00141 | 0.00146 | 0.000684 | 0.000355 | -- | -- | -- | -- | -- | -- | 0.000619 | -- | -- | -- |
| PCB 88/91 | mg/Kg | | | 0.00021 J | 0.00011 | 0.000206 | 0.000202 | 9.99E-05 J+ | 5.95E-05 | -- | -- | -- | -- | -- | -- | 0.000147 | -- | -- | -- |
| PCB 90/101/113 | mg/Kg | | | 0.0018 | 0.00109 | 0.00173 | 0.00186 | 0.000839 | 0.000343 | -- | -- | -- | -- | -- | -- | 0.00105 | -- | -- | -- |
| PCB 93/100 | mg/Kg | | | 4.4E-05 U | 0.000368 U | 3.52E-05 J | 7.56E-05 J | 2.03E-05 J | 2.78E-05 J | -- | -- | -- | -- | -- | -- | 6.23E-06 U | -- | -- | -- |
| PCB 98/102 | mg/Kg | | | 4.1E-05 U | 1.58E-05 J | 3.58E-05 J | 3.99E-05 J | 1.3E-05 J | 2.8E-06 U | -- | -- | -- | -- | -- | -- | 9.4E-06 J | -- | -- | -- |
| Total Dichlorobiphenyl | mg/Kg | | | 0.003 J | 0.00376 J | 0.00515 J | 0.0178 J | 0.0105 J | 0.00124 J | -- | -- | -- | -- | -- | -- | 2.1E-06 U | -- | -- | -- |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.0048 J+ | 0.00629 J | 0.00993 J | 0.0214 J | 0.00519 J | 0.00387 J | -- | -- | -- | -- | -- | -- | 0.00169 J | -- | -- | -- |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.011 J+ | 0.0086 J | 0.0139 J | 0.0239 J | 0.00746 J | 0.0032 J | -- | -- | -- | -- | -- | -- | 0.00807 J | -- | -- | -- |
| Total Monochlorobiphenyl | mg/Kg | | | 0.00073 J | 0.00256 J | 0.00305 J | 0.00642 J | 0.00888 J | 0.000169 J | -- | -- | -- | -- | -- | -- | 1.09E-05 U | -- | -- | -- |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.0033 J | 0.0145 J | 0.0278 J | 0.0618 J | 0.0149 J | 0.00679 | -- | -- | -- | -- | -- | -- | 0.000109 J | -- | -- | -- |
| Total Octachlorobiphenyl | mg/Kg | | | 0.0023 J | 0.00801 J | 0.0138 J | 0.029 J | 0.00593 J | 0.00385 | -- | -- | -- | -- | -- | -- | 0.000569 J | -- | -- | -- |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.014 J+ | 0.00909 J | 0.0149 J | 0.0221 J | 0.00802 J | 0.0035 J | -- | -- | -- | -- | -- | -- | 0.00855 J | -- | -- | -- |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.011 | 0.00328 J | 0.00497 J | 0.014 J | 0.00402 J | 0.00183 J | -- | -- | -- | -- | -- | -- | 0.000594 J | -- | -- | -- |
| Total Trichlorobiphenyl | mg/Kg | | | 0.0087 J+ | 0.00219 J | 0.0033 J | 0.0117 J | 0.00363 J | 0.000757 J | -- | -- | -- | -- | -- | -- | 6.02E-06 J | -- | -- | -- |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.12 J+ | 0.764 J | **1.15 J** | **1.72 J** | **0.875 J** | 0.0549 J | -- | -- | -- | -- | -- | -- | 0.0202 J | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | 0.00011 | 0.0001 | 8.5E-05 | 0.00019 J | 0.00023 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | 110 | 100 | 85 | 190 J | 230 J | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 0.00011 | 9.95E-05 J | 8.51E-05 J | 0.000173 J | 0.000229 J | -- | 0.000411 | 2.78E-07 | 5.07E-05 | 1.08E-06 | 7.35E-05 | -- | 1.93E-06 | 2.91E-05 | 2.17E-05 | 4.3E-05 |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 110 | 99.5 J | 85.1 J | 173 J | 229 J | -- | 411 | 0.278 | 50.7 | 1.08 | 73.5 | -- | 1.93 | 29.1 | 21.7 | 43 |
| Total TEQ-PCB Congener Only | mg/Kg | | | 1.6E-07 J | 1.29E-07 | 2.1E-07 | 1.24E-05 J | 1.33E-07 J | 6.02E-06 J | -- | -- | -- | -- | -- | -- | 1.08E-07 | -- | -- | -- |
| Total TEQ-PCB Congener Only | pg/g | | | 0.16 J | 0.129 | 0.21 | 12.4 J | 0.133 J | 6.02 J | -- | -- | -- | -- | -- | -- | 0.108 | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-15 | BD-15 | BD-16 | BD-16 | BD-17 | BD-17 | BD-2 | BD-2 | BD-3 | BD-4 | BD-5 | BD-5 | BD-6 | BD-7 | BD-7 |
| | | | Sample Name | | | | BD-16 | | BD-17 | BD-2 | Duplicate Beta Ditch 2 | | BD-4 | | BD-5 | | | |
| | | | Start Depth | 0.5 | 4 | 19 | 18 | 19 | 18 | 17 | 17 | 4 | 7.5 | 4 | 2.5 | 0 | 0 | 0.5 |
| | | | End Depth | 1.5 | 5 | 20 | 18 | 20 | 18 | 17 | 17 | 5 | 7.5 | 5 | 2.5 | 0.5 | 0.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 6/20/2012 | 9/25/2013 | 6/20/2012 | 9/25/2013 | 9/25/2013 | 9/25/2013 | 5/3/2011 | 9/25/2013 | 5/4/2011 | 9/23/2013 | 5/4/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | BD-2_20130925 | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | -- | -- | 0.024 | 0.0229 | 0.0223 | 0.0382 | 0.0306 | 0.0195 | -- | 0.0502 | -- | 0.00509 | -- | -- | -- |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | -- | -- | 0.00318 J+ | 0.00229 | 0.00297 J+ | 0.00298 | 0.00298 | 0.00224 | -- | 0.00547 | -- | 0.000591 | -- | -- | -- |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | -- | -- | 0.0405 | 0.0284 | 0.0371 | 0.0384 | 0.0353 | 0.0265 | -- | 0.055 | -- | 0.00687 | -- | -- | -- |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | -- | -- | 0.00184 | 0.00122 | 0.00182 | 0.00142 | 0.00141 | 0.00109 | -- | 0.00277 | -- | 0.000873 J+ | -- | -- | -- |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | -- | -- | 0.00663 | 0.00538 | 0.00657 | 0.007 | 0.00675 | 0.00495 | -- | 0.0105 | -- | 0.00156 J+ | -- | -- | -- |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | -- | -- | 0.00167 J+ | 0.000793 J+ | 0.000998 J+ | 0.000994 | 0.00118 | 0.00096 | -- | 0.00554 | -- | 0.000525 | -- | -- | -- |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | -- | -- | 0.005 | 0.00399 | 0.005 | 0.00508 | 0.00499 | 0.00371 | -- | 0.00719 | -- | 0.00121 | -- | -- | -- |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | -- | -- | 0.019 | 0.0172 | 0.0178 | 0.0278 | 0.0213 | 0.0165 | -- | 0.0336 | -- | 0.00335 | -- | -- | -- |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | -- | -- | 0.00252 | 0.00235 | 0.00205 | 0.00322 | 0.00292 | 0.00239 | -- | 0.00489 | -- | 0.000504 | -- | -- | -- |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | -- | -- | 0.00193 | 0.00197 | 0.00227 | 0.00234 | 0.00212 | 0.00174 | -- | 0.00377 | -- | 2.44E-05 U | -- | -- | -- |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | -- | -- | 0.00584 | 0.00472 | 0.00599 | 0.00601 | 0.00584 | 0.00446 | -- | 0.00903 | -- | 0.000953 | -- | -- | -- |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | -- | -- | 0.00202 J+ | 0.00105 | 0.00107 J+ | 0.0015 | 0.00167 | 0.00135 | -- | 0.00512 | -- | 0.000446 | -- | -- | -- |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | -- | -- | 0.00221 | 0.00169 | 0.00173 | 0.00242 | 0.00229 | 0.00186 | -- | 0.00359 | -- | 0.000353 | -- | -- | -- |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | -- | -- | 0.0016 | 0.000982 | 0.00105 | 0.00138 | 0.0014 | 0.00119 | -- | 0.00365 | -- | 0.000315 | -- | -- | -- |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | -- | -- | 0.000646 | 0.00141 | 0.000609 | 0.00172 | 0.00163 | 0.00113 | -- | 0.00255 | -- | 0.000398 | -- | -- | -- |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | -- | -- | 0.0016 | 0.00114 | 0.00122 | 0.00154 | 0.00153 | 0.0012 | -- | 0.00261 | -- | 0.000263 | -- | -- | -- |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | -- | -- | 0.000523 | 0.000246 | 0.000335 | 0.000341 | 3.71E-05 UJ | 0.000209 J | -- | 0.000704 J+ | -- | 2.52E-05 U | -- | -- | -- |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | -- | -- | 0.00116 J+ | 0.000368 | 0.000883 J+ | 0.000694 | 0.00123 | 0.000765 | -- | 0.00491 | -- | 0.000673 | -- | -- | -- |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | -- | -- | 0.0005 | 0.000997 | 0.000487 | 0.0012 | 0.00146 | 0.000917 J+ | -- | 0.00138 | -- | 0.000352 | -- | -- | -- |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | -- | -- | 0.00195 | 0.00153 | 0.00179 | 0.00196 | 0.00182 | 0.00145 | -- | 0.00316 | -- | 0.000367 | -- | -- | -- |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | -- | -- | 0.00164 | 0.00107 | 0.00121 | 0.0015 | 0.00149 | 0.00116 | -- | 0.00263 | -- | 0.00027 | -- | -- | -- |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | -- | -- | 0.000917 | 0.000654 | 0.000806 | 0.000929 | 0.00082 | 0.000598 | -- | 0.0017 | -- | 0.000137 | -- | -- | -- |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | -- | -- | 0.00126 J+ | 0.000715 | 0.000837 J+ | 0.00101 | 0.00105 | 0.000801 | -- | 0.00227 | -- | 0.000197 | -- | -- | -- |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | -- | -- | 0.000622 J+ | 0.000222 | 0.000399 J+ | 0.000364 | 0.000505 | 0.00037 | -- | 0.00178 | -- | 0.000149 | -- | -- | -- |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | -- | -- | 0.000292 | 0.000363 | 0.000665 | 0.000536 | 0.00111 J | 0.000664 J | -- | 0.00246 | -- | 0.000335 | -- | -- | -- |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | -- | -- | 0.00283 | 0.00244 | 0.00291 | 0.00313 | 0.00302 | 0.00214 | -- | 0.00504 | -- | 0.000884 J+ | -- | -- | -- |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | -- | -- | 0.00457 | 0.00355 | 0.00454 | 0.00443 | 0.00433 | 0.00323 | -- | 0.00648 | -- | 0.000708 | -- | -- | -- |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | -- | -- | 0.000668 J | 0.000829 | 0.000843 | 0.00113 | 0.00106 | 0.000912 | -- | 0.00168 | -- | 0.00014 J+ | -- | -- | -- |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | -- | -- | 0.00113 J | 0.0011 | 0.000995 | 0.00157 | 0.00139 | 0.00117 | -- | 0.00201 | -- | 0.000244 | -- | -- | -- |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | -- | -- | 0.00345 | 0.00365 | 0.00249 | 0.00519 | 0.00471 | 0.00407 | -- | 0.00985 | -- | 0.000763 | -- | -- | -- |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | -- | -- | 0.000379 J | 0.000541 | 0.000362 | 0.001 J+ | 3.99E-05 UJ | 0.000754 J | -- | 0.00148 | -- | 0.000247 | -- | -- | -- |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | -- | -- | 0.00224 | 0.0017 | 0.00177 | 0.00229 | 0.00221 | 0.0018 | -- | 0.00317 | -- | 0.000316 | -- | -- | -- |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | -- | -- | 0.000939 | 4.62E-05 U | 0.000764 | 1.63E-05 U | 7.37E-05 U | 3.19E-05 U | -- | 3.29E-05 U | -- | 4.2E-05 U | -- | -- | -- |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | -- | -- | 0.00253 J+ | 0.00127 | 0.00153 J+ | 0.00189 | 0.00196 | 0.00162 | -- | 0.00513 | -- | 0.000436 | -- | -- | -- |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | -- | -- | 0.00117 | 0.00202 | 0.000642 | 0.00287 | 0.00285 | 0.00209 | -- | 0.0062 | -- | 0.000695 | -- | -- | -- |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | -- | -- | 0.00294 | 0.00108 | 0.00225 | 0.00158 | 0.00196 J+ | 0.0013 | -- | 0.00368 | -- | 0.00053 | -- | -- | -- |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | -- | -- | 0.000407 | 0.000285 | 0.000332 | 0.00041 | 0.000383 | 0.000308 | -- | 0.000565 | -- | 7.28E-05 | -- | -- | -- |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | -- | -- | 0.00157 | 0.00127 | 0.00132 | 0.00166 | 0.00158 | 0.00132 | -- | 0.00246 | -- | 0.000214 | -- | -- | -- |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | -- | -- | 0.000687 | 0.000506 | 0.000549 | 0.000706 | 0.000507 | 0.000468 | -- | 0.00103 J+ | -- | 7.45E-05 | -- | -- | -- |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | -- | -- | 0.000351 | 0.000206 | 0.000222 | 0.0003 | 0.000373 | 0.000275 | -- | 0.00105 | -- | 6.69E-05 | -- | -- | -- |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | -- | -- | 0.00102 | 0.000507 | 0.000732 | 0.00074 | 0.000636 | 0.000549 | -- | 0.00107 | -- | 0.000111 | -- | -- | -- |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | -- | -- | 0.000341 | 0.000182 | 0.000247 | 0.000246 | 0.000224 | 0.000168 | -- | 0.000354 | -- | 3.49E-05 | -- | -- | -- |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | -- | -- | 0.000497 | 0.000366 | 0.000377 | 0.000452 | 0.000469 | 0.000289 | -- | 0.000658 | -- | 5.9E-05 | -- | -- | -- |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | -- | -- | 0.00164 | 0.000884 | 0.00127 | 0.00124 | 0.00132 | 0.000836 | -- | 0.00162 | -- | 9.9E-06 U | -- | -- | -- |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | -- | -- | 0.000334 | 0.000232 | 0.000221 | 0.000366 | 0.00041 | 0.0003 | -- | 0.000342 | -- | 4.87E-05 | -- | -- | -- |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | -- | -- | 0.000867 | 0.000541 | 0.000761 | 0.000785 | 0.00116 | 0.000733 | -- | 0.00254 | -- | 0.000306 | -- | -- | -- |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | -- | -- | 0.000309 | 0.000163 | 0.000207 | 0.000225 | 0.000215 | 0.000163 | -- | 0.00036 | -- | 3.24E-05 | -- | -- | -- |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | -- | -- | 2.15E-05 J | 0.000112 | 5.79E-05 | 0.000121 | 0.000134 | 9.06E-05 | -- | 0.000188 | -- | 2.19E-05 | -- | -- | -- |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | -- | -- | 0.00108 J+ | 0.000804 | 0.00148 J+ | 0.00137 | 0.00296 | 0.00199 | -- | 0.00871 | -- | 0.000907 | -- | -- | -- |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | -- | -- | 0.000148 | 0.000109 | 9.94E-05 | 0.000143 | 0.000145 | 0.000116 | -- | 0.000223 | -- | 1.85E-05 | -- | -- | -- |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-15 | BD-15 | BD-16 | BD-16 | BD-17 | BD-17 | BD-2 | BD-2 | BD-3 | BD-4 | BD-5 | BD-5 | BD-6 | BD-7 | BD-7 |
| | | | Sample Name | | | | BD-16 | | BD-17 | BD-2 | Duplicate Beta Ditch 2 | | BD-4 | | BD-5 | | | |
| | | | Start Depth | 0.5 | 4 | 19 | 18 | 19 | 18 | 17 | 17 | 4 | 7.5 | 4 | 2.5 | 0 | 0 | 0.5 |
| | | | End Depth | 1.5 | 5 | 20 | 18 | 20 | 18 | 17 | 17 | 5 | 7.5 | 5 | 2.5 | 0.5 | 0.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 6/20/2012 | 9/25/2013 | 6/20/2012 | 9/25/2013 | 9/25/2013 | 9/25/2013 | 5/3/2011 | 9/25/2013 | 5/4/2011 | 9/23/2013 | 5/4/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | BD-2_20130925 | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | -- | -- | 0.00115 | 0.000129 | 0.000665 | 0.000231 | 0.000218 | 0.000171 | -- | 0.000152 J+ | -- | 8.89E-06 U | -- | -- | -- |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | -- | -- | 0.00114 | 0.001 | 0.000153 | 0.0021 | 0.00241 | 0.00167 | -- | 0.000349 | -- | 2.95E-05 | -- | -- | -- |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | -- | -- | 0.000368 | 0.000381 | 0.000287 | 0.000481 | 0.000494 | 0.000363 | -- | 0.000807 | -- | 7.57E-05 J+ | -- | -- | -- |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | -- | -- | 0.000565 | 0.000423 | 0.000435 | 0.000591 | 0.000519 | 0.000437 | -- | 0.000863 | -- | 5.68E-05 | -- | -- | -- |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | -- | -- | 0.000289 | 0.000306 | 0.000244 | 0.000397 | 0.000386 | 0.000287 | -- | 0.000519 | -- | 5.26E-05 J+ | -- | -- | -- |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | -- | -- | 0.000436 | 0.000419 | 0.000238 | 0.000701 | 0.000757 | 0.000585 | -- | 0.000412 | -- | 6.46E-05 | -- | -- | -- |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | -- | -- | 0.000145 | 0.000123 | 0.00011 | 0.000172 | 0.000162 | 0.00012 | -- | 0.000227 | -- | 1.34E-05 J+ | -- | -- | -- |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | -- | -- | 0.000821 | 0.000694 | 0.000353 | 0.00139 | 0.00151 | 0.00118 | -- | 0.000406 | -- | 5.63E-05 | -- | -- | -- |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | -- | -- | 0.00152 | 0.00121 | 0.00101 | 0.00254 | 0.00373 | 0.00282 | -- | 0.00504 | -- | 0.00054 | -- | -- | -- |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | -- | -- | 4.93E-05 J | 3.16E-05 | 2.68E-05 J | 4.44E-05 | 4.63E-05 | 3.56E-05 | -- | 5.02E-05 | -- | 5.4E-06 U | -- | -- | -- |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | -- | -- | 0.00026 | 0.000205 | 0.000101 | 0.000375 | 0.00045 | 0.000307 | -- | 0.00011 | -- | 1.09E-05 | -- | -- | -- |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | -- | -- | 0.00257 | 0.00271 | 0.000434 | 0.00603 | 0.00785 | 0.00564 | -- | 0.000913 | -- | 1.22E-05 U | -- | -- | -- |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | -- | -- | 0.00516 | 0.00337 | 0.00625 | 0.0044 | 0.0043 | 0.00323 | -- | 0.00553 | -- | 0.00084 | -- | -- | -- |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | -- | -- | 0.0022 | 0.0015 | 0.00185 | 0.00231 | 0.0021 | 0.00182 | -- | 0.00319 | -- | 0.000434 | -- | -- | -- |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | -- | -- | 0.00138 J | 0.00146 J+ | 0.00125 | 0.00166 | 0.00158 | 0.0014 | -- | 0.00321 | -- | 0.00042 J+ | -- | -- | -- |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | -- | -- | 0.00129 | 0.00103 | 0.00108 | 0.00128 | 0.00121 | 0.00104 | -- | 0.00211 | -- | 0.000235 J+ | -- | -- | -- |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | -- | -- | 0.000549 | 0.000786 | 0.000532 | 0.000964 | 0.00111 | 0.000841 | -- | 0.00279 | -- | 0.000385 | -- | -- | -- |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | -- | -- | 0.00169 | 0.000818 | 0.00183 | 0.00211 J+ | 0.00254 | 0.00166 | -- | 0.00602 | -- | 0.00153 | -- | -- | -- |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | -- | -- | 0.00075 | 0.000581 J+ | 0.000623 | 0.000712 | 0.000675 | 0.000682 | -- | 0.00123 | -- | 0.000123 | -- | -- | -- |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | -- | -- | 0.000917 | 0.000819 | 0.000723 | 0.00106 | 0.000909 | 0.000711 | -- | 0.00168 | -- | 0.000165 | -- | -- | -- |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | -- | -- | 0.00118 | 0.000867 | 0.000936 | 0.00118 | 0.000994 | 0.000843 | -- | 0.0018 | -- | 0.000201 | -- | -- | -- |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | -- | -- | 8.58E-05 U | 0.000511 | 0.000296 | 0.0005 | 0.000462 J+ | 0.000359 | -- | 0.000468 | -- | 7.46E-05 | -- | -- | -- |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | -- | -- | 0.000442 | 0.000524 | 0.000404 | 0.000745 | 0.000682 | 0.000464 | -- | 0.00101 | -- | 8.88E-05 | -- | -- | -- |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | -- | -- | 0.00107 | 0.00141 | 0.000982 | 0.00164 | 0.00245 J | 0.00114 J | -- | 0.00286 | -- | 0.000377 | -- | -- | -- |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | -- | -- | 0.00298 | 0.00212 | 0.00257 | 0.00276 | 0.00266 | 0.00204 | -- | 0.0025 | -- | 0.000401 | -- | -- | -- |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | -- | -- | 0.000373 | 0.000175 | 0.000291 | 0.000354 J+ | 0.000251 J+ | 0.000219 | -- | 0.000592 J+ | -- | 3.89E-05 U | -- | -- | -- |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | -- | -- | 8.8E-06 J | 9.49E-05 | 5.5E-05 J | 8.79E-05 | 0.000115 | 8.83E-05 | -- | 0.000115 J+ | -- | 2.8E-05 | -- | -- | -- |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | -- | -- | 0.00156 | 0.000907 | 0.000818 | 0.00158 | 0.00175 | 0.00106 | -- | 0.0014 | -- | 0.000221 | -- | -- | -- |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | -- | -- | 0.000429 | 0.000353 | 0.000385 | 0.000451 | 3.25E-05 UJ | 0.000436 J | -- | 0.00107 | -- | 2.26E-05 U | -- | -- | -- |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | -- | -- | 0.000718 | 0.000462 | 0.000573 | 0.000615 | 0.000609 | 0.00038 | -- | 0.000856 | -- | 7.84E-05 | -- | -- | -- |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | -- | -- | 0.000276 | 0.00018 | 0.000207 | 0.000216 J+ | 0.000278 | 0.000175 J+ | -- | 0.000268 | -- | 2E-05 U | -- | -- | -- |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | -- | -- | 0.000192 | 0.000307 | 0.00027 J | 0.000309 | 0.000468 J | 0.000221 J | -- | 0.000216 J+ | -- | 5.14E-05 J+ | -- | -- | -- |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | -- | -- | 7.38E-05 | 0.000278 J+ | 0.000197 J | 0.000291 | 0.000285 J | 9.51E-05 J | -- | 0.000165 J+ | -- | 5.52E-06 U | -- | -- | -- |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | -- | -- | 0.00287 | 0.00159 | 0.00213 | 0.00224 | 0.00205 | 0.00137 | -- | 0.00367 | -- | 0.000524 | -- | -- | -- |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | -- | -- | 0.00109 | 0.000743 | 0.000758 | 0.00103 J+ | 0.00106 | 0.000737 | -- | 0.00132 | -- | 0.000204 J+ | -- | -- | -- |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | -- | -- | 0.00196 J+ | 0.00156 | 0.00303 J+ | 0.00287 | 0.00562 | 0.00369 | -- | 0.0137 | -- | 0.00322 | -- | -- | -- |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | -- | -- | 0.000613 | 2.54E-05 U | 0.000451 | 6.57E-05 U | 2.74E-05 U | 3.69E-05 U | -- | 7.87E-05 U | -- | 3.84E-05 U | -- | -- | -- |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | -- | -- | 0.00084 | 0.000337 | 0.000257 | 0.000802 | 0.000908 | 0.000626 | -- | 0.000705 | -- | 8.44E-05 | -- | -- | -- |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | -- | -- | 0.00184 | 0.00117 | 0.00109 | 0.0021 | 0.00252 | 0.00162 | -- | 0.00212 | -- | 0.000388 | -- | -- | -- |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | -- | -- | 0.000921 | 0.00055 | 0.000779 | 0.000752 | 0.000732 | 0.000474 | -- | 0.00103 | -- | 0.000111 | -- | -- | -- |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | -- | -- | 0.000421 | 0.000292 | 0.000312 | 0.000374 | 0.00035 | 0.00024 | -- | 0.000522 | -- | 4.89E-05 | -- | -- | -- |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | -- | -- | 0.000146 | 0.000314 J+ | 0.00018 J | 0.00035 | 0.000636 J | 0.000209 J | -- | 0.000282 J+ | -- | 4.02E-05 J+ | -- | -- | -- |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | -- | -- | 4.79E-05 J | 0.000312 | 0.000186 J | 0.000299 | 0.000462 J | 0.000197 J | -- | 0.00015 J+ | -- | 4.93E-05 J+ | -- | -- | -- |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | -- | -- | 0.00034 | 0.000384 | 0.000363 | 0.000493 | 0.000544 J | 0.000308 J | -- | 0.000523 J+ | -- | 5.2E-05 | -- | -- | -- |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | -- | -- | 0.000449 | 0.000227 | 0.000177 | 0.00043 | 0.000643 | 0.000441 | -- | 0.000637 | -- | 8.66E-05 | -- | -- | -- |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | -- | -- | 0.00168 | 0.00105 | 0.00031 | 0.00248 | 0.00299 | 0.0021 | -- | 0.000567 | -- | 8.17E-05 | -- | -- | -- |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | -- | -- | 0.00081 | 0.000405 J+ | 0.000606 | 0.000403 | 0.000495 | 0.000419 J+ | -- | 0.000263 | -- | 8.35E-05 J+ | -- | -- | -- |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | -- | -- | 0.000451 | 0.000508 | 0.000393 | 0.000674 | 0.000704 | 0.000442 | -- | 0.000622 J+ | -- | 6.85E-05 | -- | -- | -- |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | -- | -- | 0.000283 | 0.000163 | 6.2E-05 | 0.000215 | 5.94E-05 U | 2.16E-05 U | -- | 0.000147 | -- | 4.23E-05 | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-15 | BD-15 | BD-16 | BD-16 | BD-17 | BD-17 | BD-2 | BD-2 | BD-3 | BD-4 | BD-5 | BD-5 | BD-6 | BD-7 | BD-7 |
| | | | Sample Name | | | | BD-16 | | BD-17 | BD-2 | Duplicate Beta Ditch 2 | | BD-4 | | BD-5 | | | |
| | | | Start Depth | 0.5 | 4 | 19 | 18 | 19 | 18 | 17 | 17 | 4 | 7.5 | 4 | 2.5 | 0 | 0 | 0.5 |
| | | | End Depth | 1.5 | 5 | 20 | 18 | 20 | 18 | 17 | 17 | 5 | 7.5 | 5 | 2.5 | 0.5 | 0.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 6/20/2012 | 9/25/2013 | 6/20/2012 | 9/25/2013 | 9/25/2013 | 9/25/2013 | 5/3/2011 | 9/25/2013 | 5/4/2011 | 9/23/2013 | 5/4/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | BD-2_20130925 | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | -- | -- | 0.000578 | 0.000423 | 0.000383 | 0.000544 | 0.000566 | 0.000642 J+ | -- | 0.0003 | -- | 5.61E-05 | -- | -- | -- |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | -- | -- | 0.000424 | 0.000217 | 0.000228 | 0.000377 | 0.000369 | 0.00036 | -- | 0.000197 | -- | 2.8E-05 | -- | -- | -- |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | -- | -- | 0.000295 | 0.000198 | 0.000202 | 0.000324 | 0.000392 J+ | 0.000283 | -- | 0.000157 | -- | 2.32E-05 | -- | -- | -- |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | -- | -- | 0.000151 | 0.000497 | 5E-05 U | 0.00159 | 0.002 | 0.00173 | -- | 2.85E-06 U | -- | 1.39E-05 U | -- | -- | -- |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | -- | -- | 0.00133 | 0.00139 | 0.000634 | 0.00276 | 0.00481 | 0.00346 | -- | 0.000797 | -- | 6.57E-05 | -- | -- | -- |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | -- | -- | 0.00671 | 0.00394 | 0.000791 | 0.0104 | 0.0111 | 0.00766 | -- | 0.00154 | -- | 0.000201 | -- | -- | -- |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | -- | -- | 0.000662 | 0.00036 | 0.000188 | 0.000801 | 0.000944 | 0.000726 | -- | 0.000252 | -- | 3.14E-05 | -- | -- | -- |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | -- | -- | 0.000222 | 0.000247 | 0.000119 | 0.000319 | 0.000393 | 0.000342 | -- | 0.00016 | -- | 1.22E-05 U | -- | -- | -- |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | -- | -- | 0.0037 | 0.00319 | 0.00101 | 0.00572 | 0.00919 | 0.00658 | -- | 0.00173 | -- | 0.000161 | -- | -- | -- |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | -- | -- | 0.000463 | 0.00044 | 0.000132 | 0.00119 | 0.00156 | 0.00138 | -- | 0.000322 | -- | 1.38E-05 U | -- | -- | -- |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | -- | -- | 0.000171 | 8.56E-05 | 3.81E-05 U | 9.44E-05 | 0.000157 | 0.000104 | -- | 3.64E-05 | -- | 8.04E-06 U | -- | -- | -- |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | -- | -- | 0.00069 | 0.000602 | 6.78E-05 | 0.00155 | 0.0021 | 0.00215 | -- | 0.00035 | -- | 5.13E-05 | -- | -- | -- |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | -- | -- | 0.000813 U | 0.000385 | 0.000332 J | 0.000426 | 3.21E-05 UJ | 0.000341 J | -- | 0.000648 | -- | 2.2E-05 U | -- | -- | -- |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | -- | -- | 0.000762 | 0.000498 | 0.000609 | 0.000915 | 0.000706 | 0.000434 | -- | 0.000934 | -- | 0.000186 J+ | -- | -- | -- |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | -- | -- | 0.00114 | 0.000556 | 0.000741 | 0.000878 | 0.00081 | 0.000592 | -- | 0.00113 | -- | 0.000386 | -- | -- | -- |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | -- | -- | 0.000408 | 0.000499 | 0.000348 | 0.000691 | 0.000441 J+ | 0.000395 | -- | 0.00101 | -- | 3.41E-05 U | -- | -- | -- |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | -- | -- | 0.00055 | 0.000404 | 0.000424 | 0.000517 | 0.000494 | 0.000367 | -- | 0.000425 | -- | 8.78E-05 J+ | -- | -- | -- |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | -- | -- | 0.000688 | 0.000527 | 0.000558 | 0.000769 | 0.000733 | 0.000546 | -- | 0.00109 | -- | 0.000167 | -- | -- | -- |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | -- | -- | 0.00104 | 0.000756 | 0.000814 | 0.00109 | 0.00115 | 0.000697 J+ | -- | 0.000768 | -- | 0.000131 | -- | -- | -- |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | -- | -- | 0.000389 | 0.000324 | 0.00026 J | 0.000424 | 0.000409 J | 0.000224 J | -- | 0.000492 | -- | 5.49E-05 | -- | -- | -- |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | -- | -- | 0.000862 | 0.000604 | 0.000584 | 0.000807 | 0.000829 | 0.000718 J+ | -- | 0.000481 | -- | 0.000122 | -- | -- | -- |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | -- | -- | 0.0013 | 0.00108 | 0.000863 | 0.00157 | 0.00178 | 0.0016 | -- | 0.000983 | -- | 0.000147 J+ | -- | -- | -- |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | -- | -- | 0.000654 | 0.0005 | 0.000448 | 0.000747 | 0.000622 | 0.000569 | -- | 0.000548 | -- | 9.93E-05 | -- | -- | -- |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | -- | -- | 0.00265 | 0.00251 J+ | 0.000952 | 0.00718 J+ | 0.00606 J+ | 0.00472 J+ | -- | 0.00217 J+ | -- | 0.000193 | -- | -- | -- |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | -- | -- | 0.000479 | 0.000258 | 5.88E-05 | 0.000494 J+ | 0.000377 | 0.000417 J+ | -- | 0.000206 J+ | -- | 7.03E-05 | -- | -- | -- |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | -- | -- | 0.00083 | 0.000473 | 0.000602 | 0.000572 | 0.000693 | 0.00076 | -- | 0.000466 | -- | 0.000158 | -- | -- | -- |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | -- | -- | 0.000204 | 0.000164 | 4.74E-05 U | 0.000315 | 0.000392 | 0.00037 | -- | 0.00015 | -- | 1.94E-05 | -- | -- | -- |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | -- | -- | 0.000476 | 0.000575 | 0.000148 | 0.00142 | 0.00209 | 0.00153 | -- | 0.000461 | -- | 7.67E-05 | -- | -- | -- |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | -- | -- | 0.00521 | 0.00533 | 0.00285 | 0.00604 | 0.00644 | 0.00515 | -- | 0.00398 | -- | 0.000515 | -- | -- | -- |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | -- | -- | 0.000661 J+ | 0.000833 | 0.00035 J+ | 0.00141 | 0.00185 | 0.00178 | -- | 0.000753 | -- | 0.000147 | -- | -- | -- |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.018 U | 0.018 U | 0.018 U |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.036 U | 0.035 U | 0.036 U |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.018 U | 0.018 U | 0.018 U |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.018 U | 0.018 U | 0.018 U |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.018 U | 0.018 U | 0.018 U |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.18 | 0.02 U | 0.021 U |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.018 U | 0.018 U | 0.018 U |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | -- | -- | 0.435 J+ | 0.268 | 0.358 J+ | 0.44 | 0.372 | 0.227 | -- | 0.501 | -- | 0.0486 | -- | -- | -- |
| PCB 107/124 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 108/124 | mg/kg | | | -- | -- | 0.000602 J | 0.000598 | 0.00058 | 0.000872 J+ | 0.000875 J | 0.000507 J | -- | 0.00119 | -- | 0.000197 | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | -- | -- | 0.00561 J+ | 0.00288 | 0.00537 J+ | 0.00447 | 0.00662 | 0.00406 | -- | 0.0141 | -- | 0.00243 | -- | -- | -- |
| PCB 12/13 | mg/Kg | | | -- | -- | 0.00265 | 0.00209 | 0.00126 | 0.00388 | 0.00519 | 0.00427 | -- | 0.00189 | -- | 0.000289 | -- | -- | -- |
| PCB 128/166 | mg/Kg | | | -- | -- | 0.000736 | 0.000414 J+ | 0.000742 | 0.000462 | 0.000679 | 0.000457 | -- | 0.0026 | -- | 0.000557 | -- | -- | -- |
| PCB 129/138/163 | mg/Kg | | | -- | -- | 0.00319 J+ | 0.00181 | 0.00271 J+ | 0.00296 | 0.00446 | 0.00305 | -- | 0.0168 | -- | 0.00253 | -- | -- | -- |
| PCB 134/143 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 135/151 | mg/Kg | | | -- | -- | 0.00314 J+ | 0.00134 | 0.00198 J+ | 0.00147 | 0.00174 | 0.00161 | -- | 0.00614 | -- | 0.000454 | -- | -- | -- |
| PCB 139/140 | mg/Kg | | | -- | -- | 0.000851 | 0.000679 | 0.000774 | 0.000864 | 0.000843 | 0.000583 | -- | 0.00136 | -- | 0.000134 | -- | -- | -- |
| PCB 147/149 | mg/Kg | | | -- | -- | 0.00269 J+ | 0.00111 | 0.00188 J+ | 0.00182 | 0.00265 | 0.00178 | -- | 0.0101 | -- | 0.000972 | -- | -- | -- |
| PCB 153/168 | mg/Kg | | | -- | -- | 0.00292 J+ | 0.00128 | 0.0018 J+ | 0.0022 | 0.00321 | 0.00221 | -- | 0.0129 | -- | 0.00154 | -- | -- | -- |
| PCB 156/157 | mg/Kg | | | -- | -- | 0.00222 | 0.00144 | 0.00207 | 0.00229 | 0.00233 | 0.00176 | -- | 0.00554 | -- | 0.000828 | -- | -- | -- |
| PCB 171/173 | mg/Kg | | | -- | -- | 0.00526 | 0.00421 | 0.00425 | 0.00587 | 0.00544 | 0.00464 | -- | 0.00868 | -- | 0.00089 | -- | -- | -- |
| PCB 18/30 | mg/Kg | | | -- | -- | 0.00207 | 0.00166 | 0.000369 | 0.00308 | 0.00386 | 0.00384 | -- | 0.000836 | -- | 8.33E-05 J+ | -- | -- | -- |
| PCB 180/193 | mg/Kg | | | -- | -- | 0.00629 J+ | 0.00342 | 0.00397 J+ | 0.00489 | 0.00489 | 0.00423 | -- | 0.0129 | -- | 0.00113 | -- | -- | -- |
| PCB 198/199 | mg/Kg | | | -- | -- | 0.0074 J+ | 0.00589 | 0.00722 J+ | 0.00765 | 0.00735 | 0.00569 | -- | 0.0123 | -- | 0.00142 | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-15 | BD-15 | BD-16 | BD-16 | BD-17 | BD-17 | BD-2 | BD-2 | BD-3 | BD-4 | BD-5 | BD-5 | BD-6 | BD-7 | BD-7 |
| | | | Sample Name | | | | BD-16 | | BD-17 | BD-2 | Duplicate Beta Ditch 2 | | BD-4 | | BD-5 | | | |
| | | | Start Depth | 0.5 | 4 | 19 | 18 | 19 | 18 | 17 | 17 | 4 | 7.5 | 4 | 2.5 | 0 | 0 | 0.5 |
| | | | End Depth | 1.5 | 5 | 20 | 18 | 20 | 18 | 17 | 17 | 5 | 7.5 | 5 | 2.5 | 0.5 | 0.5 | 1.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 6/20/2012 | 9/25/2013 | 6/20/2012 | 9/25/2013 | 9/25/2013 | 9/25/2013 | 5/3/2011 | 9/25/2013 | 5/4/2011 | 9/23/2013 | 5/4/2011 | 5/5/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | BD-2_20130925 | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | -- | -- | 0.00295 | 0.00195 | 0.000976 | 0.00413 | 0.00413 | 0.00255 | -- | 0.00105 | -- | 0.00024 | -- | -- | -- |
| PCB 21/33 | mg/Kg | | | -- | -- | 0.00292 | 0.00187 | 0.000745 | 0.00437 | 0.00448 | 0.00322 | -- | 0.000869 | -- | 0.000192 | -- | -- | -- |
| PCB 26/29 | mg/Kg | | | -- | -- | 0.00152 | 0.00106 | 0.000657 | 0.00189 | 0.00208 | 0.00138 | -- | 0.000589 | -- | 0.000147 | -- | -- | -- |
| PCB 40/41/71 | mg/kg | | | -- | -- | 0.003 | 0.00199 | 0.00149 | 0.00319 | 0.00323 | 0.00251 | -- | 0.0021 | -- | 0.000362 | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 43/73 | mg/kg | | | -- | -- | 0.000343 | 0.000388 | 0.000242 | 0.000572 | 0.000607 | 0.000406 | -- | 0.000406 | -- | 5.11E-05 | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | -- | -- | 0.00171 J+ | 0.00124 | 0.00109 J+ | 0.00188 | 0.00242 | 0.00182 | -- | 0.0025 | -- | 0.000327 | -- | -- | -- |
| PCB 45/51 | mg/kg | | | -- | -- | 0.000398 | 0.000352 | 0.000225 | 0.000542 | 0.000556 | 0.000443 | -- | 0.000396 | -- | 4.19E-05 | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | -- | -- | 0.000994 | 0.000782 | 0.000687 | 0.00121 | 0.00152 | 0.00119 | -- | 0.00134 | -- | 0.000191 | -- | -- | -- |
| PCB 50/53 | mg/Kg | | | -- | -- | 0.000377 | 0.000332 | 0.00023 | 0.000463 | 0.000498 | 0.000417 | -- | 0.000402 | -- | 3.97E-05 J+ | -- | -- | -- |
| PCB 59/62/75 | mg/Kg | | | -- | -- | 0.0015 | 0.00109 | 0.00111 | 0.00123 | 0.0013 | 0.00109 | -- | 0.00126 | -- | 0.000204 | -- | -- | -- |
| PCB 61/70/74/76 | mg/Kg | | | -- | -- | 0.00518 J+ | 0.00296 | 0.00258 J+ | 0.00557 | 0.00701 | 0.00449 | -- | 0.00532 J+ | -- | 0.001 | -- | -- | -- |
| PCB 83/99 | mg/kg | | | -- | -- | 0.00143 | 0.000978 | 0.00179 | 0.00157 | 0.0027 | 0.00183 | -- | 0.00677 | -- | 0.00101 | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | -- | 0.00345 | 0.00172 | 0.00293 | 0.00208 | 0.0024 | 0.00174 | -- | 0.00446 | -- | 0.000724 | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | -- | -- | 0.0042 | 0.00289 | 0.00401 | 0.00408 | 0.00556 | 0.00387 | -- | 0.0106 | -- | 0.00157 | -- | -- | -- |
| PCB 88/91 | mg/Kg | | | -- | -- | 0.000461 | 0.000615 | 0.000739 | 0.000822 | 0.00112 | 0.000758 | -- | 0.00159 J+ | -- | 0.000262 | -- | -- | -- |
| PCB 90/101/113 | mg/Kg | | | -- | -- | 0.00333 J+ | 0.00176 | 0.0033 J+ | 0.00288 | 0.00508 | 0.00315 | -- | 0.0129 | -- | 0.00165 | -- | -- | -- |
| PCB 93/100 | mg/Kg | | | -- | -- | 0.000301 | 0.000493 | 0.000368 | 0.000611 | 0.000644 | 0.000474 | -- | 0.00088 | -- | 0.0001 | -- | -- | -- |
| PCB 98/102 | mg/Kg | | | -- | -- | 0.000203 J | 0.00034 | 0.000298 | 0.000428 | 0.000479 | 0.000322 | -- | 0.000657 | -- | 7.5E-05 | -- | -- | -- |
| Total Dichlorobiphenyl | mg/Kg | | | -- | -- | -- | 0.0172 | -- | 0.0295 | 0.0398 | 0.0306 | -- | 0.011 | -- | 0.0012 | -- | -- | -- |
| Total Heptachlorobiphenyl | mg/Kg | | | -- | -- | 0.0446 | 0.0321 J | 0.0332 | 0.0444 | 0.0427 | 0.0359 | -- | 0.0865 | -- | 0.00829 J | -- | -- | -- |
| Total Hexachlorobiphenyl | mg/Kg | | | -- | -- | 0.0359 | 0.0249 J | 0.0283 | 0.0348 J | 0.037 J | 0.0279 J | -- | 0.101 J | -- | 0.0122 J | -- | -- | -- |
| Total Monochlorobiphenyl | mg/Kg | | | -- | -- | 0.00183 | 0.00201 | 0.000565 | 0.00438 | 0.00603 | 0.00546 | -- | 0.00156 | -- | 0.000275 | -- | -- | -- |
| Total Nonachlorobiphenyl | mg/Kg | | | -- | -- | 0.0835 | 0.0686 | 0.0772 | 0.104 | 0.0872 | 0.0626 | -- | 0.139 | -- | 0.0153 | -- | -- | -- |
| Total Octachlorobiphenyl | mg/Kg | | | -- | -- | 0.0463 | 0.0364 | 0.0473 | 0.0464 | 0.0449 | 0.0339 | -- | 0.0713 | -- | 0.00941 J | -- | -- | -- |
| Total Pentachlorobiphenyl | mg/Kg | | | -- | -- | 0.0386 | 0.0257 | 0.0377 | 0.0384 J | 0.0515 J | 0.0343 J | -- | 0.102 J | -- | 0.0162 J | -- | -- | -- |
| Total Tetrachlorobiphenyl | mg/Kg | | | -- | -- | 0.0263 | 0.0183 J | 0.0162 | 0.0293 | 0.0344 J | 0.0239 J | -- | 0.0303 J | -- | 0.00473 J | -- | -- | -- |
| Total Trichlorobiphenyl | mg/Kg | | | -- | -- | 0.029 | 0.0198 J | 0.00913 | 0.0431 J | 0.0449 J | 0.0337 J | -- | 0.0117 J | -- | 0.00198 J | -- | -- | -- |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | -- | -- | 0.759 | 0.513 J | 0.615 | 0.814 J | 0.761 J | 0.515 J | -- | **1.06 J** | -- | 0.118 J | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 0.0022 | 3.08E-06 | -- | **0.00575 J** | -- | **0.00528** | **0.00593** | **0.00466** | 2.12E-05 | **0.0104** | 8.63E-06 | 0.00135 | 0.000204 | 2E-05 | 1.24E-06 |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 2200 | 3.08 | -- | **5750 J** | -- | **5280** | **5930** | **4660** | 21.2 | **10400** | 8.63 | 1350 | 204 | 20 | 1.24 |
| Total TEQ-PCB Congener Only | mg/Kg | | | -- | -- | 7.69E-05 | 6.18E-05 | 7.14E-05 | 0.000105 | 7.13E-05 | 5.42E-05 J | -- | 0.000114 | -- | 1.89E-05 J | -- | -- | -- |
| Total TEQ-PCB Congener Only | pg/g | | | -- | -- | 76.9 | 61.8 | 71.4 | 105 | 71.3 | 54.2 J | -- | 114 | -- | 18.9 J | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | NW-1 | NW-10 | NW-11 | NW-11 | NW-12 | NW-12 | NW-14 | NW-14 | NW-14 | NW-17 | NW-17 |
| | | | Sample Name | | | | | | NW-1 | | | NW-11 | | | | | | | |
| | | | Start Depth | 0 | 0 | 0.5 | 0.5 | 0 | 10 | 4 | 4 | 2 | 0 | 0.5 | 0 | 4 | 4 | 4 | 4 |
| | | | End Depth | 0.5 | 0.5 | 1.5 | 1.5 | 0.5 | 10 | 5 | 5 | 2 | 0.5 | 1.5 | 0.5 | 5 | 5 | 5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 4/25/2011 | 4/26/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | BD-8-0.5_51033 | | BD-8-1.5_51034 | | | | | | | | | | NW-14-5_51263 | | NW-17-5_51152 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0258 | -- | -- | 0.0334 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00402 | -- | -- | 0.00614 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0506 | -- | -- | 0.0473 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00337 J+ | -- | -- | 0.0028 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00868 | -- | -- | 0.00936 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00186 | -- | -- | 0.0102 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00615 | -- | -- | 0.00705 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0205 | -- | -- | 0.0231 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00345 | -- | -- | 0.00449 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00304 | -- | -- | 0.00265 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00722 | -- | -- | 0.00735 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00248 | -- | -- | 0.00766 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | -- | -- | -- | -- | -- | 0.003 | -- | -- | 0.00313 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00198 | -- | -- | 0.00488 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00172 | -- | -- | 0.00495 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00207 | -- | -- | 0.00244 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | -- | -- | -- | -- | -- | 8.33E-05 U | -- | -- | 0.000619 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00175 | -- | -- | 0.00948 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00137 | -- | -- | 0.00262 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0025 | -- | -- | 0.00254 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00201 | -- | -- | 0.00289 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000993 | -- | -- | 0.00133 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00146 | -- | -- | 0.00322 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000766 | -- | -- | 0.00273 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00165 | -- | -- | 0.0031 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00425 | -- | -- | 0.00507 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00532 | -- | -- | 0.00546 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00125 | -- | -- | 0.00116 J+ | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00188 | -- | -- | 0.00205 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00545 | -- | -- | 0.00842 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00108 | -- | -- | 0.00242 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00281 | -- | -- | 0.00274 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000141 U | -- | -- | 0.000431 U | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00286 | -- | -- | 0.00797 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00162 | -- | -- | 0.00721 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00299 | -- | -- | 0.00608 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000503 | -- | -- | 0.000523 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00192 | -- | -- | 0.00184 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000107 U | -- | -- | 0.00101 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000523 | -- | -- | 0.00146 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4',5,6-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00101 | -- | -- | 0.000962 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000307 | -- | -- | 0.00027 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000529 | -- | -- | 0.000507 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00176 | -- | -- | 0.000952 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000405 | -- | -- | 0.00033 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00147 | -- | -- | 0.00363 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000256 | -- | -- | 0.00023 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000194 | -- | -- | 0.000161 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00435 | -- | -- | 0.0118 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000181 J+ | -- | -- | 0.000126 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | NW-1 | NW-10 | NW-11 | NW-11 | NW-12 | NW-12 | NW-14 | NW-14 | NW-14 | NW-17 | NW-17 |
| | | | Sample Name | | | | | | NW-1 | | | NW-11 | | | | | | | |
| | | | Start Depth | 0 | 0 | 0.5 | 0.5 | 0 | 10 | 4 | 4 | 2 | 0 | 0.5 | 0 | 4 | 4 | 4 | 4 |
| | | | End Depth | 0.5 | 0.5 | 1.5 | 1.5 | 0.5 | 10 | 5 | 5 | 2 | 0.5 | 1.5 | 0.5 | 5 | 5 | 5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 4/25/2011 | 4/26/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | BD-8-0.5_51033 | | BD-8-1.5_51034 | | | | | | | | | | NW-14-5_51263 | | NW-17-5_51152 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000115 | -- | -- | 7.45E-05 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00128 | -- | -- | 0.000105 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000587 | -- | -- | 0.000793 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000547 | -- | -- | 0.000485 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000493 | -- | -- | 0.000388 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000581 | -- | -- | 0.000272 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000162 | -- | -- | 0.000117 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00123 | -- | -- | 0.000219 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00413 | -- | -- | 0.00519 | -- | -- | -- | -- | -- | -- | -- |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | -- | -- | -- | -- | -- | 4.78E-05 | -- | -- | 2.29E-05 J | -- | -- | -- | -- | -- | -- | -- |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000281 | -- | -- | 9.21E-05 | -- | -- | -- | -- | -- | -- | -- |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00344 | -- | -- | 0.000177 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00576 | -- | -- | 0.00565 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00295 | -- | -- | 0.00266 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00257 | -- | -- | 0.00385 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0016 | -- | -- | 0.00175 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00141 | -- | -- | 0.00489 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00397 | -- | -- | 0.0132 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000902 | -- | -- | 0.000848 J+ | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00116 | -- | -- | 0.00149 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00137 | -- | -- | 0.00148 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000621 | -- | -- | 0.000905 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000743 | -- | -- | 0.000839 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0023 | -- | -- | 0.00422 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00364 | -- | -- | 0.00313 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000158 U | -- | -- | 0.000616 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00026 | -- | -- | 0.000156 J+ | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00185 | -- | -- | 0.00138 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | -- | -- | -- | -- | -- | 7.46E-05 U | -- | -- | 0.000633 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000698 | -- | -- | 0.000678 J+ | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000362 | -- | -- | 0.000112 U | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000458 | -- | -- | 0.000361 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000231 J+ | -- | -- | 0.000233 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00293 | -- | -- | 0.00413 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00135 J+ | -- | -- | 0.00148 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00793 | -- | -- | 0.0241 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00016 U | -- | -- | 0.00085 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000926 | -- | -- | 0.000518 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00247 | -- | -- | 0.00208 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000903 | -- | -- | 0.000879 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000443 | -- | -- | 0.000392 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000439 | -- | -- | 0.000337 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000381 | -- | -- | 0.000393 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000499 | -- | -- | 0.000479 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000627 | -- | -- | 0.00071 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00253 | -- | -- | 0.000338 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000596 | -- | -- | 0.000388 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000614 | -- | -- | 0.00055 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | -- | -- | -- | -- | -- | 2.75E-05 U | -- | -- | 4.01E-05 | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | NW-1 | NW-10 | NW-11 | NW-11 | NW-12 | NW-12 | NW-14 | NW-14 | NW-14 | NW-17 | NW-17 |
| | | | Sample Name | | | | | | NW-1 | | | NW-11 | | | | | | | |
| | | | Start Depth | 0 | 0 | 0.5 | 0.5 | 0 | 10 | 4 | 4 | 2 | 0 | 0.5 | 0 | 4 | 4 | 4 | 4 |
| | | | End Depth | 0.5 | 0.5 | 1.5 | 1.5 | 0.5 | 10 | 5 | 5 | 2 | 0.5 | 1.5 | 0.5 | 5 | 5 | 5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 4/25/2011 | 4/26/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | BD-8-0.5_51033 | | BD-8-1.5_51034 | | | | | | | | | | NW-14-5_51263 | | NW-17-5_51152 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | -- | -- | -- | -- | -- | 2.96E-05 U | -- | -- | 0.000244 | -- | -- | -- | -- | -- | -- | -- |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000477 | -- | -- | 0.000108 | -- | -- | -- | -- | -- | -- | -- |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000307 | -- | -- | 0.000145 | -- | -- | -- | -- | -- | -- | -- |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | -- | -- | -- | -- | -- | 1.46E-05 U | -- | -- | 3.07E-05 | -- | -- | -- | -- | -- | -- | -- |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00257 | -- | -- | 0.000177 | -- | -- | -- | -- | -- | -- | -- |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00853 | -- | -- | 0.000578 | -- | -- | -- | -- | -- | -- | -- |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000787 | -- | -- | 0.000139 | -- | -- | -- | -- | -- | -- | -- |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | -- | -- | -- | -- | -- | 0.0005 | -- | -- | 2.81E-05 | -- | -- | -- | -- | -- | -- | -- |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00727 | -- | -- | 0.000258 | -- | -- | -- | -- | -- | -- | -- |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00139 | -- | -- | 5.51E-05 | -- | -- | -- | -- | -- | -- | -- |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | -- | -- | -- | -- | -- | 3.86E-06 U | -- | -- | 2.29E-05 J | -- | -- | -- | -- | -- | -- | -- |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00142 | -- | -- | 0.000102 | -- | -- | -- | -- | -- | -- | -- |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | -- | -- | -- | -- | -- | 5.34E-05 U | -- | -- | 0.000917 J+ | -- | -- | -- | -- | -- | -- | -- |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000998 | -- | -- | 0.00165 | -- | -- | -- | -- | -- | -- | -- |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00157 | -- | -- | 0.00279 | -- | -- | -- | -- | -- | -- | -- |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000493 J+ | -- | -- | 0.00054 J+ | -- | -- | -- | -- | -- | -- | -- |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000689 | -- | -- | 0.000513 | -- | -- | -- | -- | -- | -- | -- |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000958 | -- | -- | 0.00131 | -- | -- | -- | -- | -- | -- | -- |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00119 | -- | -- | 0.00103 | -- | -- | -- | -- | -- | -- | -- |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00048 | -- | -- | 0.000402 | -- | -- | -- | -- | -- | -- | -- |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000761 | -- | -- | 0.001 | -- | -- | -- | -- | -- | -- | -- |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00191 | -- | -- | 0.00069 | -- | -- | -- | -- | -- | -- | -- |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000916 | -- | -- | 0.000628 | -- | -- | -- | -- | -- | -- | -- |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00577 | -- | -- | 0.00142 | -- | -- | -- | -- | -- | -- | -- |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | -- | -- | -- | -- | -- | 2.92E-05 U | -- | -- | 0.000118 | -- | -- | -- | -- | -- | -- | -- |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | -- | -- | -- | -- | -- | 2.55E-05 U | -- | -- | 0.000558 | -- | -- | -- | -- | -- | -- | -- |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | -- | -- | -- | -- | -- | 0.000398 | -- | -- | 3.68E-05 | -- | -- | -- | -- | -- | -- | -- |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00111 | -- | -- | 0.000131 | -- | -- | -- | -- | -- | -- | -- |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00639 | -- | -- | 0.00313 | -- | -- | -- | -- | -- | -- | -- |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | -- | -- | -- | -- | -- | 0.00147 | -- | -- | 0.000241 | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1016 | mg/Kg | 23.6 | | 0.018 U | 0.018 U | 0.019 U | 0.019 U | 0.018 U | -- | -- | -- | -- | 0.018 U | 0.018 U | -- | -- | -- | 0.019 U | 0.019 U |
| Aroclor 1221 | mg/Kg | 0.83 | | 0.035 U | 0.035 U | 0.038 U | 0.038 U | 0.035 U | -- | -- | -- | -- | 0.036 U | 0.036 U | -- | -- | -- | 0.037 U | 0.037 U |
| Aroclor 1232 | mg/Kg | 0.83 | | 0.018 U | 0.018 U | 0.019 U | 0.019 U | 0.018 U | -- | -- | -- | -- | 0.018 U | 0.018 U | -- | -- | -- | 0.019 U | 0.019 U |
| Aroclor 1242 | mg/Kg | 0.83 | | 0.018 U | 0.018 U | 0.019 U | 0.019 U | 0.018 U | -- | -- | -- | -- | 0.018 U | 0.018 U | -- | -- | -- | 0.019 U | 0.019 U |
| Aroclor 1248 | mg/Kg | 0.83 | | 0.018 U | 0.018 U | 0.019 U | 0.019 U | 0.018 U | -- | -- | -- | -- | 0.018 U | 0.018 U | -- | -- | -- | 0.019 U | 0.019 U |
| Aroclor 1254 | mg/Kg | **0.83** | | 0.035 | 0.02 U | 0.054 | 0.084 | 0.02 U | -- | -- | -- | -- | 0.02 U | 0.02 U | -- | -- | -- | 0.021 U | 0.021 U |
| Aroclor 1260 | mg/Kg | 0.83 | | 0.018 U | 0.018 U | 0.019 U | 0.019 U | 0.018 U | -- | -- | -- | -- | 0.018 U | 0.018 U | -- | -- | -- | 0.019 U | 0.019 U |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | -- | -- | -- | -- | -- | 0.452 | -- | -- | 0.395 J- | -- | -- | -- | -- | -- | -- | -- |
| PCB 107/124 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 108/124 | mg/kg | | | -- | -- | -- | -- | -- | 0.00105 | -- | -- | 0.00147 | -- | -- | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00912 | -- | -- | 0.0237 | -- | -- | -- | -- | -- | -- | -- |
| PCB 12/13 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00475 | -- | -- | 0.000854 | -- | -- | -- | -- | -- | -- | -- |
| PCB 128/166 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00113 | -- | -- | 0.00622 | -- | -- | -- | -- | -- | -- | -- |
| PCB 129/138/163 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00596 | -- | -- | 0.0345 | -- | -- | -- | -- | -- | -- | -- |
| PCB 134/143 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 135/151 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00229 | -- | -- | 0.00852 | -- | -- | -- | -- | -- | -- | -- |
| PCB 139/140 | mg/Kg | | | -- | -- | -- | -- | -- | 0.000945 | -- | -- | 0.00153 | -- | -- | -- | -- | -- | -- | -- |
| PCB 147/149 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00339 | -- | -- | 0.0202 | -- | -- | -- | -- | -- | -- | -- |
| PCB 153/168 | mg/Kg | | | -- | -- | -- | -- | -- | 0.0043 | -- | -- | 0.0262 | -- | -- | -- | -- | -- | -- | -- |
| PCB 156/157 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00306 | -- | -- | 0.0075 | -- | -- | -- | -- | -- | -- | -- |
| PCB 171/173 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00708 | -- | -- | 0.00791 | -- | -- | -- | -- | -- | -- | -- |
| PCB 18/30 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00238 | -- | -- | 0.000222 | -- | -- | -- | -- | -- | -- | -- |
| PCB 180/193 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00652 | -- | -- | 0.0186 | -- | -- | -- | -- | -- | -- | -- |
| PCB 198/199 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00971 | -- | -- | 0.0114 | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | NW-1 | NW-10 | NW-11 | NW-11 | NW-12 | NW-12 | NW-14 | NW-14 | NW-14 | NW-17 | NW-17 |
| | | | Sample Name | | | | | | NW-1 | | | NW-11 | | | | | | | |
| | | | Start Depth | 0 | 0 | 0.5 | 0.5 | 0 | 10 | 4 | 4 | 2 | 0 | 0.5 | 0 | 4 | 4 | 4 | 4 |
| | | | End Depth | 0.5 | 0.5 | 1.5 | 1.5 | 0.5 | 10 | 5 | 5 | 2 | 0.5 | 1.5 | 0.5 | 5 | 5 | 5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 4/25/2011 | 4/26/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/3/2011 | 5/3/2011 |
| | | | Parent Sample | BD-8-0.5_51033 | | BD-8-1.5_51034 | | | | | | | | | | NW-14-5_51263 | | NW-17-5_51152 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00249 | -- | -- | 0.00102 | -- | -- | -- | -- | -- | -- | -- |
| PCB 21/33 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00293 | -- | -- | 0.000325 | -- | -- | -- | -- | -- | -- | -- |
| PCB 26/29 | mg/Kg | | | -- | -- | -- | -- | -- | 0.0016 | -- | -- | 0.000675 | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | -- | -- | 0.00323 | -- | -- | 0.00142 | -- | -- | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 43/73 | mg/kg | | | -- | -- | -- | -- | -- | 0.000469 | -- | -- | 0.00036 | -- | -- | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00262 | -- | -- | 0.0023 | -- | -- | -- | -- | -- | -- | -- |
| PCB 45/51 | mg/kg | | | -- | -- | -- | -- | -- | 0.000486 | -- | -- | 0.000296 | -- | -- | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | -- | -- | -- | -- | -- | 0.0015 | -- | -- | 0.00136 | -- | -- | -- | -- | -- | -- | -- |
| PCB 50/53 | mg/Kg | | | -- | -- | -- | -- | -- | 0.000471 | -- | -- | 0.000339 | -- | -- | -- | -- | -- | -- | -- |
| PCB 59/62/75 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00181 | -- | -- | 0.000967 | -- | -- | -- | -- | -- | -- | -- |
| PCB 61/70/74/76 | mg/Kg | | | -- | -- | -- | -- | -- | 0.0068 | -- | -- | 0.00505 | -- | -- | -- | -- | -- | -- | -- |
| PCB 83/99 | mg/kg | | | -- | -- | -- | -- | -- | 0.00341 | -- | -- | 0.00923 | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | -- | -- | -- | -- | 0.00388 | -- | -- | 0.00544 | -- | -- | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00714 | -- | -- | 0.0151 | -- | -- | -- | -- | -- | -- | -- |
| PCB 88/91 | mg/Kg | | | -- | -- | -- | -- | -- | 0.00156 | -- | -- | 0.00227 | -- | -- | -- | -- | -- | -- | -- |
| PCB 90/101/113 | mg/Kg | | | -- | -- | -- | -- | -- | 0.0067 | -- | -- | 0.0199 | -- | -- | -- | -- | -- | -- | -- |
| PCB 93/100 | mg/Kg | | | -- | -- | -- | -- | -- | 0.000885 | -- | -- | 0.000687 | -- | -- | -- | -- | -- | -- | -- |
| PCB 98/102 | mg/Kg | | | -- | -- | -- | -- | -- | 0.000665 | -- | -- | 0.000642 | -- | -- | -- | -- | -- | -- | -- |
| Total Dichlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.0286 | -- | -- | 0.00546 J | -- | -- | -- | -- | -- | -- | -- |
| Total Heptachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.0566 | -- | -- | 0.0992 J | -- | -- | -- | -- | -- | -- | -- |
| Total Hexachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.0463 | -- | -- | 0.166 J | -- | -- | -- | -- | -- | -- | -- |
| Total Monochlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.004 | -- | -- | 0.000473 | -- | -- | -- | -- | -- | -- | -- |
| Total Nonachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.0969 | -- | -- | 0.104 | -- | -- | -- | -- | -- | -- | -- |
| Total Octachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.06 J | -- | -- | 0.0655 | -- | -- | -- | -- | -- | -- | -- |
| Total Pentachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.0692 J | -- | -- | 0.152 J | -- | -- | -- | -- | -- | -- | -- |
| Total Tetrachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.036 J | -- | -- | 0.0308 J | -- | -- | -- | -- | -- | -- | -- |
| Total Trichlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- | 0.0331 | -- | -- | 0.00877 | -- | -- | -- | -- | -- | -- | -- |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | **0.883 J** | -- | -- | **1.03 J** | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 7.16E-05 | 0.000222 | 8.91E-05 | 5.95E-05 | 3.44E-05 | -- | 3.56E-07 | 1.17E-05 | -- | 7.28E-05 | 9.4E-05 | 0.00102 | 1.4E-07 | 1.41E-07 | -- | -- |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 71.6 | 222 | 89.1 | 59.5 | 34.4 | -- | 0.356 | 11.7 | -- | 72.8 | 94 | 1020 | 0.14 | 0.141 | -- | -- |
| Total TEQ-PCB Congener Only | mg/Kg | | | -- | -- | -- | -- | -- | 0.000101 | -- | -- | 0.000195 J | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ-PCB Congener Only | pg/g | | | -- | -- | -- | -- | -- | 101 | -- | -- | 195 J | -- | -- | -- | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-17 | NW-18 | NW-18 | NW-19 | NW-19 | NW-2 | NW-20 | NW-20 | NW-20 | NW-21 | NW-22 | NW-22 | NW-22 | NW-23 | NW-24 |
| | | | Sample Name | NW-17 | | | | | NW-2 | | | NW-20 | | | | | NW-23 | |
| | | | Start Depth | 1 | 0 | 0.5 | 0 | 0.5 | 10 | 12 | 12 | 10 | 12 | 0 | 0.5 | 3 | 9 | 3 |
| | | | End Depth | 17 | 0.5 | 1.5 | 0.5 | 1.5 | 10 | 13 | 13 | 10 | 13 | 0.5 | 1.5 | 4 | 9 | 4 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 9/23/2013 | 6/19/2012 | 6/20/2012 | 9/23/2013 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 9/12/2013 | 6/20/2012 |
| | | | Parent Sample | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.00353 | -- | -- | -- | -- | 0.0291 | 0.000446 | -- | -- | 0.00261 J- | 0.00401 | 0.000941 | 1.26E-05 J | 0.000395 J+ | 0.000391 |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.00102 | -- | -- | -- | -- | 0.00415 | 0.000101 | -- | -- | 0.000398 | 0.000464 | 4.39E-05 J | 3.18E-06 J | 5.04E-05 J | 0.00028 |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.0056 | -- | -- | -- | -- | 0.0562 | 0.000535 | -- | -- | 0.00348 | 0.0051 | 0.00109 | 7.89E-06 J | 0.000604 | 0.000465 |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.000401 | -- | -- | -- | -- | 0.00205 | 4.77E-05 J | -- | -- | 0.000198 J | 0.000229 J | 3.05E-05 J | 1.57E-06 U | 1.45E-05 J | 0.000134 J |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.00111 | -- | -- | -- | -- | 0.00915 | 0.000127 J | -- | -- | 0.000639 J | 0.000877 J | 0.000134 J | 2.01E-06 U | 0.000105 | 0.000188 J |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.0055 | -- | -- | -- | -- | 0.00146 J+ | 0.000241 J | -- | -- | 0.000309 J | 0.000232 J | 1.7E-05 J | 2.76E-06 J | 2.63E-05 J | 0.000481 J |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 0.00088 | -- | -- | -- | -- | 0.00699 | 0.000138 | -- | -- | 0.000554 | 0.000937 | 0.000149 | 2.02E-06 U | 8.35E-05 J | 4.78E-05 J |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.00286 | -- | -- | -- | -- | 0.0221 | 0.000347 | -- | -- | 0.00209 J- | 0.00305 | 0.000691 | 6.58E-06 J | 0.000333 | 0.000289 |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 0.00103 | -- | -- | -- | -- | 0.00385 | 7.01E-05 J | -- | -- | 0.000229 | 0.000262 | 7.26E-05 | 5.35E-06 U | 4.04E-05 J | 0.000131 |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 7.18E-06 U | -- | -- | -- | -- | 0.00358 | 3.02E-06 U | -- | -- | 0.000188 | 2.96E-06 U | 3.35E-05 J | 1.7E-06 U | 3.37E-05 J | 4.56E-05 J |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 0.000818 | -- | -- | -- | -- | 0.00812 | 9.4E-05 | -- | -- | 0.000535 | 0.000559 | 0.000129 | 1.79E-06 U | 9.45E-05 | 8.79E-05 |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.00273 | -- | -- | -- | -- | 0.00201 | 0.000225 | -- | -- | 0.000264 | 0.000255 | 7.95E-05 | 9.19E-06 J | 2.69E-05 J | 0.000532 |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 0.000428 | -- | -- | -- | -- | 0.00329 | 4.13E-05 J | -- | -- | 0.000188 J | 0.000227 J | 3.98E-05 J | 2.78E-06 U | 3.4E-05 J | 4.13E-05 J |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.00198 | -- | -- | -- | -- | 0.00188 | 0.000115 | -- | -- | 0.000189 | 0.000179 | 4.88E-05 J | 4.88E-06 U | 1.93E-05 J | 0.000332 |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 0.0035 | -- | -- | -- | -- | 0.00158 J+ | 0.000157 | -- | -- | 0.000311 | 8.21E-05 | 1.55E-05 U | 3.95E-06 U | 2.06E-05 J | 0.000209 |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 0.000451 | -- | -- | -- | -- | 0.00212 | 4.27E-05 J | -- | -- | 0.000146 | 0.000132 | 3.29E-05 J | 2.48E-06 U | 2.11E-05 J | 8.26E-05 |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 0.000399 | -- | -- | -- | -- | 7.63E-05 U | 3.82E-05 J | -- | -- | 8.03E-05 | 3.24E-05 J | 1.28E-05 U | 3.27E-06 U | 8.77E-06 U | 2.92E-05 J |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.0141 | -- | -- | -- | -- | 0.000834 | 0.00074 J | -- | -- | 0.000766 J | 0.00016 J | 4.82E-05 J | 5.62E-06 J | 2.34E-05 J | 0.00101 J |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.00453 | -- | -- | -- | -- | 0.00111 | 0.00025 | -- | -- | 0.000299 | 6.89E-05 J | 7.69E-06 U | 2.17E-06 U | 1.61E-05 J | 0.000185 |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 0.000307 | -- | -- | -- | -- | 0.00255 | 5.28E-05 J | -- | -- | 0.000236 | 0.000274 | 9.41E-05 J | 2.45E-06 U | 2.45E-05 J | 7.79E-05 J |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 0.000575 | -- | -- | -- | -- | 0.0021 | 5.32E-05 | -- | -- | 0.00014 | 0.000166 | 3.75E-05 J | 3.35E-06 U | 2.2E-05 J | 0.000105 |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 0.000513 | -- | -- | -- | -- | 0.00113 | 3.18E-05 J | -- | -- | 9.62E-05 J | 6.71E-05 J | 1.27E-05 U | 3.25E-06 U | 1.46E-05 J | 3.55E-05 J |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 0.000772 | -- | -- | -- | -- | 0.00139 | 7.68E-05 J | -- | -- | 0.000157 J | 0.000107 J | 3.36E-05 J | 2.33E-06 U | 1.45E-05 J | 0.00022 J |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.00279 | -- | -- | -- | -- | 0.000511 | 0.000187 J | -- | -- | 0.000206 J | 4.52E-05 J | 1.08E-05 J | 1.55E-06 U | 7.96E-06 J | 0.000287 J |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.00585 | -- | -- | -- | -- | 0.000959 | 0.000588 J | -- | -- | 0.000612 J | 4.87E-05 J | 1.16E-05 J | 3.43E-06 U | 1.32E-05 J | 0.000323 J |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.000666 | -- | -- | -- | -- | 0.00422 | 9.26E-05 J | -- | -- | 0.000362 J | 0.000475 J | 8.66E-05 J | 1.91E-06 U | 4.97E-05 J | 0.000184 J |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 0.000493 | -- | -- | -- | -- | 0.00587 | 6.35E-05 J | -- | -- | 0.000354 J | 0.000365 J | 7.94E-05 J | 1.81E-06 U | 7.04E-05 | 4.07E-05 J |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 0.000192 | -- | -- | -- | -- | 0.00137 | 1.74E-05 J | -- | -- | 7.01E-05 J | 9.18E-05 J | 1.32E-05 U | 5.05E-06 U | 1.14E-05 J | 1.36E-05 J |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 0.000219 J+ | -- | -- | -- | -- | 0.00207 | 2.54E-05 J | -- | -- | 0.000139 J | 0.000145 J | 2.96E-05 J | 3.51E-06 U | 1.82E-05 J | 1.22E-05 J |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.00242 | -- | -- | -- | -- | 0.00522 | 0.000176 | -- | -- | 0.000501 | 0.000457 | 8.38E-05 J | 4.07E-06 U | 4.03E-05 J | 0.000383 |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 0.00294 | -- | -- | -- | -- | 0.000839 J+ | 0.000146 J | -- | -- | 0.000251 J | 5.49E-05 J | 1.35E-05 U | 3.44E-06 U | 9.11E-06 U | 0.000161 J |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 0.000241 | -- | -- | -- | -- | 0.00315 | 3.84E-05 J | -- | -- | 0.0002 | 0.000182 | 3.31E-05 J | 2.32E-06 U | 2.68E-05 J | 1.9E-05 J |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 9.25E-05 U | -- | -- | -- | -- | 4.75E-05 U | 8.22E-06 U | -- | -- | 3.14E-05 U | 9.67E-06 U | 1.04E-05 U | 4E-06 U | 1.48E-05 J | 6.47E-06 U |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.00225 | -- | -- | -- | -- | 0.00252 | 0.000185 J | -- | -- | 0.00034 J | 0.000335 J | 0.000111 J | 6.59E-06 J | 3.17E-05 J | 0.000573 J |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.00652 | -- | -- | -- | -- | 0.00108 J+ | 0.00034 | -- | -- | 0.000523 | 0.000217 | 4.71E-05 J | 3.74E-06 J | 1.89E-05 J | 0.000524 |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 0.00476 | -- | -- | -- | -- | 0.00291 | 0.00022 | -- | -- | 0.000408 | 0.000238 | 4.49E-05 J | 3.02E-06 U | 3.9E-05 J | 0.000394 |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 4.33E-05 J | -- | -- | -- | -- | 0.000564 | 7.25E-06 J | -- | -- | 4.06E-05 J | 3.42E-05 J | 5.14E-06 J | 2.58E-06 U | 4.11E-06 U | 4.32E-06 J |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 0.000164 | -- | -- | -- | -- | 0.00208 | 2.79E-05 J | -- | -- | 0.000145 | 0.000111 | 1.83E-05 J | 3.32E-06 U | 1.66E-05 J | 1.73E-05 J |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 7.15E-05 U | -- | -- | -- | -- | 0.000711 | 1.11E-05 J | -- | -- | 8.08E-05 | 4.53E-05 J | 1.27E-05 U | 3.24E-06 U | 1.16E-05 U | 1.23E-05 U |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 0.000707 | -- | -- | -- | -- | 0.000375 | 5.92E-05 | -- | -- | 8.74E-05 J | 2.82E-05 J | 7.22E-06 J | 2.03E-06 U | 6.95E-06 J | 0.000109 |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 0.000102 J+ | -- | -- | -- | -- | 0.00109 | 1.08E-05 J | -- | -- | 7.85E-05 | 5.31E-05 | 6.21E-06 J | 1.98E-06 U | 8.9E-06 J | 7.76E-06 J |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 3.33E-05 J | -- | -- | -- | -- | 0.000379 | 4.88E-06 J | -- | -- | 2.77E-05 J | 1.86E-05 J | 3.03E-06 U | 1.62E-06 U | 4.4E-06 J | 1.84E-06 U |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 6.49E-05 | -- | -- | -- | -- | 0.000615 | 8.48E-06 J | -- | -- | 5.12E-05 J | 2.67E-05 J | 2.92E-06 U | 1.56E-06 U | 6.11E-06 J | 5.94E-06 J |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 0.000106 | -- | -- | -- | -- | 7.3E-06 U | 1.48E-05 J | -- | -- | 0.000133 | 4.15E-05 J | 2.4E-06 U | 2.99E-06 U | 1.75E-05 J | 9.04E-06 J |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 0.000181 | -- | -- | -- | -- | 0.00036 | 8.59E-05 | -- | -- | 0.000102 | 1.67E-05 J | 4.14E-06 U | 3.17E-06 U | 1.2E-05 U | 2.2E-05 J |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.00449 | -- | -- | -- | -- | 0.00109 | 0.000307 | -- | -- | 0.000374 | 6.1E-05 | 1.24E-05 J | 1.84E-06 U | 1.59E-05 J | 0.000307 |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 4.05E-05 J | -- | -- | -- | -- | 0.000322 | 2.35E-06 J | -- | -- | 1.9E-05 J | 9.4E-06 J | 2.73E-06 U | 1.46E-06 U | 2.87E-06 J | 1.7E-06 U |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 5.47E-06 U | -- | -- | -- | -- | 0.000201 | 9.8E-06 J | -- | -- | 2.19E-05 J | 4.07E-06 J | 2.37E-06 U | 2.95E-06 U | 4.53E-06 U | 4.42E-06 J |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.0157 | -- | -- | -- | -- | 0.00212 | 0.0014 J | -- | -- | 0.0014 J | 0.000123 J | 3.82E-05 J | 5.28E-06 J | 3.06E-05 J | 0.00127 J |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 4.65E-05 J | -- | -- | -- | -- | 0.000211 | 1.02E-05 J | -- | -- | 2.11E-05 J | 3.84E-06 J | 1.6E-06 U | 1.99E-06 U | 3.52E-06 U | 2.94E-06 J |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-17 | NW-18 | NW-18 | NW-19 | NW-19 | NW-2 | NW-20 | NW-20 | NW-20 | NW-21 | NW-22 | NW-22 | NW-22 | NW-23 | NW-24 |
| | | | Sample Name | NW-17 | | | | | NW-2 | | | NW-20 | | | | | NW-23 | |
| | | | Start Depth | 1 | 0 | 0.5 | 0 | 0.5 | 10 | 12 | 12 | 10 | 12 | 0 | 0.5 | 3 | 9 | 3 |
| | | | End Depth | 17 | 0.5 | 1.5 | 0.5 | 1.5 | 10 | 13 | 13 | 10 | 13 | 0.5 | 1.5 | 4 | 9 | 4 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 9/23/2013 | 6/19/2012 | 6/20/2012 | 9/23/2013 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 9/12/2013 | 6/20/2012 |
| | | | Parent Sample | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 1.95E-05 U | -- | -- | -- | -- | 0.000122 | 1.27E-05 J | -- | -- | 1.68E-05 J | 2.47E-06 J | 5.1E-06 U | 3.9E-06 U | 1.65E-05 U | 4.03E-06 U |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 2.6E-05 | -- | -- | -- | -- | 0.000732 | 2.3E-05 J | -- | -- | 9.03E-05 | 2.13E-05 | 1.19E-05 U | 4.94E-06 U | 6.38E-06 U | 1.34E-05 J |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 0.000114 | -- | -- | -- | -- | 0.000625 | 1.4E-05 J | -- | -- | 7.35E-05 J | 3.47E-05 J | 3.38E-06 U | 1.8E-06 U | 7.3E-06 J | 1.4E-05 J |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 2.79E-05 J | -- | -- | -- | -- | 0.000602 | 9.08E-06 J | -- | -- | 5.4E-05 J | 2.32E-05 J | 4.57E-06 U | 2.22E-06 U | 6.79E-06 J | 3.44E-06 J |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 4.11E-05 J | -- | -- | -- | -- | 0.000543 | 1.16E-05 J | -- | -- | 3.78E-05 J | 1.28E-05 J | 1.84E-06 U | 2.28E-06 U | 4.26E-06 U | 6.53E-06 J |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 0.000294 J+ | -- | -- | -- | -- | 0.000531 | 3.91E-05 J | -- | -- | 6.76E-05 | 1.66E-05 J | 3.9E-06 U | 2.99E-06 U | 1.29E-05 U | 5.92E-06 J |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 4.17E-06 U | -- | -- | -- | -- | 0.000188 | 2.1E-06 U | -- | -- | 1.04E-05 J | 4.23E-06 J | 2.03E-06 U | 2.44E-06 U | 4.92E-06 U | 1.72E-06 U |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 1.98E-05 J | -- | -- | -- | -- | 0.000875 | 1.67E-05 J | -- | -- | 5.37E-05 | 1.48E-05 J | 8.72E-06 U | 3.64E-06 U | 4.59E-06 J | 5.35E-06 U |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.00609 | -- | -- | -- | -- | 0.00183 | 0.000843 J | -- | -- | 0.00108 J | 8.8E-05 J | 2.16E-05 J | 3.95E-06 J | 1.83E-05 J | 0.000519 J |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 3.15E-06 U | -- | -- | -- | -- | 5.16E-05 J+ | 2.23E-06 U | -- | -- | 2.85E-06 J | 1.29E-06 U | 4.41E-06 U | 1.95E-06 U | 3.94E-06 U | 2.69E-06 U |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 7.53E-06 J | -- | -- | -- | -- | 0.000243 | 8.1E-06 U | -- | -- | 1.4E-05 J | 5.4E-06 J | 6.56E-06 U | 3.56E-06 U | 3.82E-06 U | 5.2E-06 U |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 4.2E-05 J | -- | -- | -- | -- | 0.00201 | 6.8E-05 U | -- | -- | 0.000209 | 4.59E-05 J | 0.000153 U | 0.000146 U | 9.29E-06 J | 4.32E-05 U |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 0.000555 | -- | -- | -- | -- | 0.00679 | 8.16E-05 J | -- | -- | 0.000499 J | 0.000632 J | 0.000137 J | 2.87E-06 U | 6.95E-05 | 6.98E-05 J |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 0.000447 | -- | -- | -- | -- | 0.00327 | 4.36E-05 J | -- | -- | 0.000207 | 0.000275 | 6.08E-05 | 4.71E-06 U | 2.81E-05 J | 5.77E-05 |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.00112 | -- | -- | -- | -- | 0.00293 J+ | 6.55E-05 | -- | -- | 0.000126 J | 0.00016 | 2.17E-05 J | 2.62E-06 U | 2.26E-05 J | 0.00016 |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 0.000296 | -- | -- | -- | -- | 0.00187 J+ | 2.92E-05 J | -- | -- | 9.85E-05 | 0.000123 | 3.19E-05 J | 4.37E-06 U | 2E-05 J | 4.4E-05 J |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.00582 | -- | -- | -- | -- | 0.001 J+ | 0.000301 | -- | -- | 0.000317 | 0.000112 | 2.77E-05 J | 2.45E-06 U | 1.88E-05 J | 0.000358 |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.0221 | -- | -- | -- | -- | 0.00235 | 0.000842 | -- | -- | 0.000894 J- | 0.000245 J | 5.34E-05 | 6.36E-06 J | 3.3E-05 J | 0.000896 |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 8.21E-05 U | -- | -- | -- | -- | 0.00112 | 1.4E-05 J | -- | -- | 6.75E-05 | 8.34E-05 | 1.72E-05 J | 5.15E-06 U | 1.08E-05 J | 6.12E-06 U |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 0.000103 U | -- | -- | -- | -- | 0.00132 | 1.48E-05 J | -- | -- | 7.16E-05 J | 8.78E-05 | 1.39E-05 U | 2.23E-06 U | 1.66E-05 U | 4.08E-05 J |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 0.0003 | -- | -- | -- | -- | 0.00157 | 2.6E-05 J | -- | -- | 9.07E-05 | 0.000107 | 2.01E-05 J | 2.23E-06 U | 1.48E-05 U | 3.88E-05 J |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 4.83E-05 U | -- | -- | -- | -- | 0.000571 J+ | 4.01E-06 U | -- | -- | 5.78E-05 J | 4.04E-05 J | 1.05E-05 U | 2.67E-06 U | 1.11E-05 J | 8.97E-06 U |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 4.59E-05 U | -- | -- | -- | -- | 0.000753 J+ | 9.37E-06 J | -- | -- | 5.42E-05 J | 4.3E-05 J | 8.7E-06 U | 2.23E-06 U | 9.34E-06 J | 8.23E-06 U |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.00369 | -- | -- | -- | -- | 0.00215 J+ | 0.000139 | -- | -- | 0.000233 | 0.000107 | 2.09E-05 J | 2.03E-06 U | 2.77E-05 J | 0.000236 |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 0.000153 U | -- | -- | -- | -- | 0.00433 | 1.12E-05 U | -- | -- | 0.000141 | 0.000136 | 3.21E-05 J | 1.35E-06 U | 3.91E-05 J | 3.4E-06 U |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 0.000532 | -- | -- | -- | -- | 7.25E-05 U | 2.05E-05 J | -- | -- | 4.91E-05 J | 1.85E-05 U | 1.45E-05 U | 1.67E-06 U | 8.61E-06 U | 4.01E-06 U |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 1.22E-05 U | -- | -- | -- | -- | 0.000225 J+ | 2.51E-06 U | -- | -- | 1.01E-05 J | 3.52E-06 J | 3.18E-06 U | 2.44E-06 U | 1.16E-05 U | 2.61E-06 U |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 0.00114 | -- | -- | -- | -- | 0.00177 | 0.000198 J | -- | -- | 0.000273 J | 8.34E-05 J | 1.32E-05 J | 1.36E-06 U | 1.59E-05 J | 8.52E-05 J |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 4.91E-05 U | -- | -- | -- | -- | 6.83E-05 U | 8.46E-06 J | -- | -- | 4.67E-05 J | 6.31E-05 | 1.04E-05 U | 2.65E-06 U | 7.92E-06 U | 9.56E-06 U |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 9.04E-06 U | -- | -- | -- | -- | 0.000883 | 5.84E-06 J | -- | -- | 5.86E-05 | 5.25E-05 | 9.99E-06 J | 1.37E-06 U | 8.94E-06 J | 2.82E-06 U |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 9.79E-06 U | -- | -- | -- | -- | 0.000428 | 4.22E-06 U | -- | -- | 7.09E-06 U | 8.09E-06 U | 4.65E-06 U | 1.31E-06 U | 4.04E-06 J | 3E-06 U |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 1.34E-05 U | -- | -- | -- | -- | 0.000589 | 2.15E-06 U | -- | -- | 2.93E-05 J | 9.62E-06 J | 2.89E-06 U | 2.22E-06 U | 1.29E-05 U | 2.16E-06 U |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 1.22E-05 U | -- | -- | -- | -- | 0.000424 | 2.35E-06 U | -- | -- | 1.81E-05 J | 4.35E-06 J | 3.18E-06 U | 2.43E-06 U | 1.13E-05 U | 2.42E-06 U |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.00272 | -- | -- | -- | -- | 0.00308 | 0.00011 | -- | -- | 0.000275 | 0.000192 | 4.98E-05 J | 2.44E-06 U | 2.73E-05 J | 0.000164 |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 0.00101 | -- | -- | -- | -- | 0.00153 J+ | 5.1E-05 J | -- | -- | 0.000149 J | 6.71E-05 J | 1.42E-05 U | 1.72E-06 U | 1.4E-05 J | 3.88E-06 U |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.0468 | -- | -- | -- | -- | 0.00413 | 0.00194 J | -- | -- | 0.00211 J- | 0.00044 J | 0.000128 J | 1.49E-05 J | 6.86E-05 J | 0.00179 J |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 0.000679 J+ | -- | -- | -- | -- | 7.38E-05 U | 2.72E-05 J | -- | -- | 4.78E-05 J | 2.98E-05 J | 1.52E-05 U | 1.76E-06 U | 7.4E-06 U | 1.46E-05 J |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 0.000549 | -- | -- | -- | -- | 0.000532 | 9.2E-05 | -- | -- | 0.000143 | 4.04E-05 J | 8.26E-06 U | 1.28E-06 U | 8.48E-06 J | 3.65E-05 J |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.00351 | -- | -- | -- | -- | 0.00196 | 0.000367 | -- | -- | 0.0005 | 0.000114 | 2.92E-05 J | 2.15E-06 U | 2.41E-05 J | 0.000176 |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 9.36E-06 U | -- | -- | -- | -- | 0.00106 | 1E-05 J | -- | -- | 6.38E-05 | 5.81E-05 | 4.52E-06 U | 1.28E-06 U | 1.11E-05 J | 2.7E-06 U |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 8.54E-06 U | -- | -- | -- | -- | 0.000486 | 4.61E-06 J | -- | -- | 4.26E-05 J | 1.71E-05 J | 4.54E-06 U | 1.28E-06 U | 5.39E-06 J | 3.03E-06 U |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 1.43E-05 U | -- | -- | -- | -- | 0.000408 | 1.72E-05 J | -- | -- | 5.97E-05 | 9.6E-06 J | 2.88E-06 U | 2.2E-06 U | 1.32E-05 U | 7.7E-06 J |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 6.04E-05 | -- | -- | -- | -- | 0.000424 | 7.34E-06 J | -- | -- | 3.86E-05 J | 1.13E-05 J | 2.78E-06 U | 2.13E-06 U | 1.19E-05 U | 2.26E-06 U |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 2.66E-05 J | -- | -- | -- | -- | 0.00057 | 7.52E-06 J | -- | -- | 4.58E-05 J | 1.59E-05 J | 2.72E-06 U | 2.08E-06 U | 1.01E-05 U | 3.42E-06 J |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 0.000844 | -- | -- | -- | -- | 0.000334 | 0.000201 | -- | -- | 0.000212 | 2.68E-05 J | 2.83E-06 U | 2.17E-06 U | 8.22E-06 U | 9.12E-05 |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 7.7E-05 | -- | -- | -- | -- | 0.00119 | 3.99E-05 | -- | -- | 0.000184 | 4.25E-05 | 6.96E-06 U | 1.62E-06 U | 5.72E-06 J | 1.75E-05 J |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 1.89E-05 U | -- | -- | -- | -- | 0.000898 | 9.66E-06 J | -- | -- | 4.36E-05 | 1.47E-05 J | 6E-06 U | 1.4E-06 U | 3.72E-06 U | 3.01E-06 J |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 4.33E-05 J | -- | -- | -- | -- | 0.000687 | 6.31E-06 J | -- | -- | 4.95E-05 J | 1.87E-05 J | 2.71E-06 U | 2.07E-06 U | 1.11E-05 U | 4.09E-06 J |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 2.54E-05 U | -- | -- | -- | -- | 4.7E-05 U | 4.17E-06 U | -- | -- | 1.01E-05 J | 1.03E-05 J | 6.87E-06 U | 1.6E-06 U | 5.02E-06 U | 2.15E-06 U |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-17 | NW-18 | NW-18 | NW-19 | NW-19 | NW-2 | NW-20 | NW-20 | NW-20 | NW-21 | NW-22 | NW-22 | NW-22 | NW-23 | NW-24 |
| | | | Sample Name | NW-17 | | | | | NW-2 | | | NW-20 | | | | | NW-23 | |
| | | | Start Depth | 1 | 0 | 0.5 | 0 | 0.5 | 10 | 12 | 12 | 10 | 12 | 0 | 0.5 | 3 | 9 | 3 |
| | | | End Depth | 17 | 0.5 | 1.5 | 0.5 | 1.5 | 10 | 13 | 13 | 10 | 13 | 0.5 | 1.5 | 4 | 9 | 4 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 9/23/2013 | 6/19/2012 | 6/20/2012 | 9/23/2013 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 9/12/2013 | 6/20/2012 |
| | | | Parent Sample | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 2.66E-05 U | -- | -- | -- | -- | 0.000724 | 4.07E-06 U | -- | -- | 2.83E-05 | 9.99E-06 J | 6.45E-06 U | 1.5E-06 U | 5.26E-06 U | 3.42E-06 J |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 8.02E-06 J | -- | -- | -- | -- | 0.000408 | 5.11E-06 U | -- | -- | 1.52E-05 J | 4.43E-06 J | 6.27E-06 U | 2.62E-06 U | 2.39E-06 U | 3.88E-06 U |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 9.53E-06 J | -- | -- | -- | -- | 0.000308 | 5.08E-06 U | -- | -- | 1.33E-05 J | 3.69E-06 J | 5.9E-06 U | 2.46E-06 U | 3.06E-06 U | 3.52E-06 U |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 2.29E-05 | -- | -- | -- | -- | 1.19E-05 U | 1.78E-05 U | -- | -- | 2.04E-05 U | 1.72E-05 U | 7.32E-05 U | 5.47E-05 U | 1.06E-05 J | 8.44E-05 U |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 3.85E-05 | -- | -- | -- | -- | 0.00199 | 1.64E-05 U | -- | -- | 0.000134 | 3.91E-05 | 6.31E-05 U | 4.71E-05 U | 9.19E-06 J | 7.2E-05 U |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 0.000189 | -- | -- | -- | -- | 0.00364 | 0.00013 | -- | -- | 0.000447 | 0.000103 | 3.04E-05 J | 1.43E-06 U | 2.02E-05 J | 4.16E-05 J |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 2.61E-05 J+ | -- | -- | -- | -- | 0.00052 | 1.69E-05 J | -- | -- | 4.28E-05 | 1.02E-05 J | 5.44E-06 U | 2.27E-06 U | 3.92E-06 J | 6.05E-06 J |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 5.48E-06 J | -- | -- | -- | -- | 0.000371 | 1.65E-05 U | -- | -- | 1.84E-05 U | 1.52E-05 U | 6.42E-05 U | 4.8E-05 U | 4.55E-06 U | 7.47E-05 U |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 6.52E-05 | -- | -- | -- | -- | 0.0049 | 4.73E-05 J | -- | -- | 0.000328 | 9.15E-05 | 5.91E-05 U | 4.41E-05 U | 2.27E-05 J | 7.12E-05 U |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 1.92E-05 J | -- | -- | -- | -- | 0.000726 | 1.6E-05 U | -- | -- | 4.86E-05 | 2.12E-05 J | 6.18E-05 U | 4.62E-05 U | 5.28E-06 U | 7.34E-05 U |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 4.3E-06 U | -- | -- | -- | -- | 0.000171 | 3.04E-05 U | -- | -- | 4.71E-05 U | 1.12E-05 U | 7.58E-05 U | 6.51E-05 U | 3.41E-06 U | 2.1E-05 U |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 5.9E-05 | -- | -- | -- | -- | 0.000769 | 6.15E-06 J | -- | -- | 0.00014 | 6.38E-05 | 9.72E-06 J | 2.5E-06 U | 7.83E-06 J | 1.31E-05 J |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 0.000113 U | -- | -- | -- | -- | 6.22E-05 U | 1.14E-05 U | -- | -- | 6.41E-05 U | 4.13E-05 J | 1.46E-05 U | 2.54E-06 U | 1.54E-05 U | 1.48E-05 U |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 0.00135 | -- | -- | -- | -- | 0.00113 | 2.14E-05 J | -- | -- | 7.37E-05 | 8.16E-05 | 2.19E-05 J | 1.86E-06 U | 1.14E-05 J | 7.2E-05 |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 0.00259 | -- | -- | -- | -- | 0.00163 | 2.65E-05 J | -- | -- | 0.000106 | 9.71E-05 | 2.26E-05 J | 1.57E-06 U | 1.51E-05 J | 0.000144 |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 0.000156 U | -- | -- | -- | -- | 0.000461 | 1.17E-05 U | -- | -- | 3.09E-05 J | 6.2E-05 J | 1.36E-05 U | 1.57E-06 U | 8.04E-06 U | 3.64E-06 U |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 8.29E-05 U | -- | -- | -- | -- | 0.000782 | 6.45E-06 U | -- | -- | 3.51E-05 J | 3.15E-05 J | 7.83E-06 U | 1.22E-06 U | 6.15E-06 J | 4.06E-06 U |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 0.00031 | -- | -- | -- | -- | 0.000983 | 1.24E-05 J | -- | -- | 9.68E-05 | 5.38E-05 | 7.19E-06 U | 1.12E-06 U | 7.8E-06 J | 9.79E-06 J |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 8.31E-05 | -- | -- | -- | -- | 0.00157 | 8.47E-06 J | -- | -- | 7.41E-05 | 4.62E-05 | 6.2E-06 U | 1.44E-06 U | 9.52E-06 J | 7.68E-06 J |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 7.27E-05 U | -- | -- | -- | -- | 0.000537 | 6.31E-06 U | -- | -- | 2.11E-05 J | 1.68E-05 J | 7.34E-06 U | 1.14E-06 U | 5.27E-06 U | 3.88E-06 U |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 2.7E-05 U | -- | -- | -- | -- | 0.00131 | 4.5E-06 J | -- | -- | 4.75E-05 J | 2.31E-05 J | 5.74E-06 U | 1.33E-06 U | 5.23E-06 U | 5.78E-06 J |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 5.19E-05 J | -- | -- | -- | -- | 0.00208 | 1.56E-05 U | -- | -- | 9.29E-05 J | 8.03E-05 J | 6.15E-05 U | 4.59E-05 U | 3.12E-05 J | 7.37E-05 U |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 9.22E-05 U | -- | -- | -- | -- | 0.000974 | 9.17E-06 U | -- | -- | 4.44E-05 J | 3.93E-05 J | 1.1E-05 U | 1.62E-06 U | 5.82E-06 U | 5.45E-06 U |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 0.000381 | -- | -- | -- | -- | 0.00296 | 5.09E-05 | -- | -- | 0.000295 | 0.00015 | 4.26E-05 | 2.05E-06 U | 2.37E-05 J+ | 4.79E-05 |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 2.85E-05 U | -- | -- | -- | -- | 0.000336 | 4.11E-06 U | -- | -- | 1.23E-05 J | 5.1E-06 U | 6.33E-06 U | 1.47E-06 U | 5.69E-06 U | 2.06E-06 U |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 2.35E-05 U | -- | -- | -- | -- | 0.001 | 5.11E-06 J | -- | -- | 4.76E-05 J | 2.88E-05 | 6.06E-06 U | 1.41E-06 U | 5E-06 U | 4.49E-06 J |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 8.2E-06 J | -- | -- | -- | -- | 0.000218 | 1.54E-05 U | -- | -- | 1.76E-05 U | 1.49E-05 U | 6.13E-05 U | 4.58E-05 U | 5.13E-06 U | 7.42E-05 U |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 5.5E-05 | -- | -- | -- | -- | 0.000665 | 1.68E-06 U | -- | -- | 8.1E-05 | 4.92E-05 | 1.01E-05 J | 2.41E-06 U | 2.31E-06 U | 1.21E-05 J |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.000244 | -- | -- | -- | -- | 0.00651 | 5.28E-05 J | -- | -- | 0.000293 | 0.000167 | 6.22E-05 U | 4.32E-05 U | 0.000106 J+ | 8.7E-05 U |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 6.91E-05 | -- | -- | -- | -- | 0.0011 | 7.88E-06 J | -- | -- | 7.26E-05 | 6.32E-05 | 1.75E-05 J | 2.94E-06 U | 1.09E-05 J | 1.25E-05 J |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | 0.18 U | 0.019 U | 0.018 U | 0.018 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | 0.35 U | 0.037 U | 0.036 U | 0.036 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | 0.18 U | 0.019 U | 0.018 U | 0.018 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | 0.18 U | 0.019 U | 0.018 U | 0.018 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | 0.18 U | 0.019 U | 0.018 U | 0.018 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | **0.93 J+** | 0.021 U | 0.02 U | 0.021 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | 0.18 U | 0.019 U | 0.018 U | 0.018 U | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.0399 | -- | -- | -- | -- | 0.486 | 0.00707 | -- | -- | 0.0433 | 0.0536 | 0.0119 | 8.31E-05 | 0.00486 | 0.0113 |
| PCB 107/124 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 108/124 | mg/kg | | | 0.00155 | -- | -- | -- | -- | 0.00106 | 6.68E-05 J | -- | -- | 0.000111 J | 6.63E-05 J | 1.29E-05 U | 1.49E-06 U | 1.03E-05 J | 5.37E-05 J |
| PCB 110/115 | mg/Kg | | | 0.0395 | -- | -- | -- | -- | 0.00703 | 0.00238 J | -- | -- | 0.00275 J | 0.000529 J | 0.000109 J | 9.35E-06 J | 9.47E-05 J | 0.00236 J |
| PCB 12/13 | mg/Kg | | | 9.02E-05 | -- | -- | -- | -- | 0.00381 | 1.63E-05 U | -- | -- | 0.000232 | 0.000126 | 6.78E-05 U | 5.07E-05 U | 2.26E-05 J | 7.91E-05 U |
| PCB 128/166 | mg/Kg | | | 0.0114 | -- | -- | -- | -- | 0.000806 | 0.000348 | -- | -- | 0.000451 | 0.00014 | 1.82E-05 J | 2.92E-06 U | 1.86E-05 J | 0.000592 |
| PCB 129/138/163 | mg/Kg | | | 0.0479 | -- | -- | -- | -- | 0.00311 | 0.00196 J | -- | -- | 0.00212 J | 0.000672 J | 0.000177 J | 2.09E-05 J | 6.94E-05 J | 0.00343 J |
| PCB 134/143 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 135/151 | mg/Kg | | | 0.00639 | -- | -- | -- | -- | 0.00186 | 0.000391 | -- | -- | 0.000548 | 0.00021 | 5.59E-05 J | 4.45E-06 J | 2.75E-05 J | 0.000798 |
| PCB 139/140 | mg/Kg | | | 0.000762 | -- | -- | -- | -- | 0.00105 | 5.35E-05 J | -- | -- | 0.000143 J | 7.73E-05 J | 1.15E-05 U | 2.93E-06 U | 1.34E-05 J | 3.13E-05 J |
| PCB 147/149 | mg/Kg | | | 0.0202 | -- | -- | -- | -- | 0.00198 | 0.00126 J | -- | -- | 0.00118 J | 0.000325 J | 9.7E-05 J | 1.01E-05 J | 4.07E-05 J | 0.0021 J |
| PCB 153/168 | mg/Kg | | | 0.0284 | -- | -- | -- | -- | 0.00223 J+ | 0.00113 J | -- | -- | 0.00127 J | 0.000486 J | 0.000148 J | 1.41E-05 J | 4.63E-05 J | 0.00255 J |
| PCB 156/157 | mg/Kg | | | 0.0086 | -- | -- | -- | -- | 0.00309 | 0.00033 | -- | -- | 0.00043 | 0.000243 | 6.23E-05 J | 2.86E-06 U | 3.68E-05 J | 0.00049 |
| PCB 171/173 | mg/Kg | | | 0.00187 | -- | -- | -- | -- | 0.00777 | 0.00012 J | -- | -- | 0.000475 J | 0.000397 J | 1.51E-05 U | 5.81E-06 U | 7.25E-05 J | 0.000267 J |
| PCB 18/30 | mg/Kg | | | 5.23E-05 | -- | -- | -- | -- | 0.000646 | 4.88E-05 J | -- | -- | 0.000159 | 3.37E-05 J | 1E-05 J | 2.86E-06 U | 1.18E-05 J | 1.36E-05 J |
| PCB 180/193 | mg/Kg | | | 0.00632 | -- | -- | -- | -- | 0.00616 | 0.000437 J | -- | -- | 0.000778 J | 0.000772 J | 9.86E-05 J | 4.75E-06 J | 8.41E-05 J | 0.00119 J |
| PCB 198/199 | mg/Kg | | | 0.0014 | -- | -- | -- | -- | 0.0104 | 0.000173 J | -- | -- | 0.00095 J | 0.00107 J | 0.000272 J | 2.24E-06 U | 0.000128 | 0.000315 J |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-17 | NW-18 | NW-18 | NW-19 | NW-19 | NW-2 | NW-20 | NW-20 | NW-20 | NW-21 | NW-22 | NW-22 | NW-22 | NW-23 | NW-24 |
| | | | Sample Name | NW-17 | | | | | NW-2 | | | NW-20 | | | | | NW-23 | |
| | | | Start Depth | 1 | 0 | 0.5 | 0 | 0.5 | 10 | 12 | 12 | 10 | 12 | 0 | 0.5 | 3 | 9 | 3 |
| | | | End Depth | 17 | 0.5 | 1.5 | 0.5 | 1.5 | 10 | 13 | 13 | 10 | 13 | 0.5 | 1.5 | 4 | 9 | 4 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 5/3/2011 | 9/23/2013 | 6/19/2012 | 6/20/2012 | 9/23/2013 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 6/19/2012 | 9/12/2013 | 6/20/2012 |
| | | | Parent Sample | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 0.000238 | -- | -- | -- | -- | 0.0025 | 9.26E-05 | -- | -- | 0.000274 | 7.44E-05 | 2.27E-05 J | 1.52E-06 U | 2.05E-05 J | 3.79E-05 J |
| PCB 21/33 | mg/Kg | | | 7.23E-05 | -- | -- | -- | -- | 0.0021 | 3.45E-05 J | -- | -- | 0.000187 | 6.92E-05 | 2.19E-05 J | 1.51E-06 U | 1.12E-05 J | 1.98E-05 J |
| PCB 26/29 | mg/Kg | | | 5.48E-05 | -- | -- | -- | -- | 0.00168 | 1.78E-05 J | -- | -- | 9.34E-05 | 3.28E-05 J | 6.36E-06 U | 1.48E-06 U | 6.48E-06 J | 8.11E-06 J |
| PCB 40/41/71 | mg/kg | | | 0.000667 | -- | -- | -- | -- | 0.00321 | 0.000191 | -- | -- | 0.000266 | 7.92E-05 J | 4E-06 U | 3.06E-06 U | 2.13E-05 J | 4.69E-05 J |
| PCB 40/71 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 43/73 | mg/kg | | | 1.44E-05 U | -- | -- | -- | -- | 0.000513 | 1.07E-05 J | -- | -- | 2.32E-05 J | 1.13E-05 J | 3.69E-06 U | 2.83E-06 U | 1.29E-05 U | 2.93E-06 U |
| PCB 44/47/65 | mg/Kg | | | 0.00226 | -- | -- | -- | -- | 0.002 | 0.000464 | -- | -- | 0.000596 | 7.93E-05 J | 2.2E-05 J | 5.09E-06 J | 3.23E-05 J | 0.000188 |
| PCB 45/51 | mg/kg | | | 3.2E-05 J | -- | -- | -- | -- | 0.000452 | 3.7E-05 J | -- | -- | 5.42E-05 J | 8.76E-06 J | 4.19E-06 U | 3.21E-06 U | 1.41E-05 U | 9.9E-06 J |
| PCB 49/69 | mg/Kg | | | 0.00116 | -- | -- | -- | -- | 0.00118 | 0.000234 | -- | -- | 0.000304 | 4.15E-05 J | 1.15E-05 J | 2.44E-06 U | 1.28E-05 J | 9.43E-05 J |
| PCB 50/53 | mg/Kg | | | 9.04E-05 J | -- | -- | -- | -- | 0.000441 | 3.99E-05 J | -- | -- | 4.94E-05 J | 8.92E-06 J | 4.04E-06 U | 3.09E-06 U | 1.35E-05 U | 1.37E-05 J |
| PCB 59/62/75 | mg/Kg | | | 0.000115 | -- | -- | -- | -- | 0.00216 | 3.01E-05 J | -- | -- | 0.000109 | 3.29E-05 J | 9.79E-06 J | 2.18E-06 U | 1.59E-05 J | 1.04E-05 J |
| PCB 61/70/74/76 | mg/Kg | | | 0.0114 | -- | -- | -- | -- | 0.00444 | 0.000987 | -- | -- | 0.00147 | 0.000284 | 7.52E-05 J | 2.25E-06 U | 5.97E-05 J | 0.000489 |
| PCB 83/99 | mg/Kg | | | 0.0166 | -- | -- | -- | -- | 0.00205 | 0.000917 | -- | -- | 0.00112 | 0.000193 | 4.19E-05 J | 2.18E-06 J | 3.06E-05 J | 0.000826 |
| PCB 85/116 | mg/Kg | | | 0.00774 | -- | -- | -- | -- | 0.00388 | 0.000288 | -- | -- | 0.000474 | 0.000143 | 4.48E-05 J | 1.4E-06 U | 6.95E-05 J | 0.000262 |
| PCB 85/116/117 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.0235 | -- | -- | -- | -- | 0.00574 | 0.00139 J | -- | -- | 0.0018 J | 0.000411 J | 8.24E-05 J | 1.55E-06 U | 7.81E-05 J | 0.00112 J |
| PCB 88/91 | mg/Kg | | | 0.00293 | -- | -- | -- | -- | 0.00133 | 0.000258 | -- | -- | 0.000343 | 3.87E-05 J | 2.2E-06 U | 2.74E-06 U | 1.33E-05 J | 0.000158 |
| PCB 90/101/113 | mg/Kg | | | 0.0284 | -- | -- | -- | -- | 0.00404 | 0.00181 J | -- | -- | 0.00212 J | 0.000316 J | 8.05E-05 J | 9.48E-06 J | 7.12E-05 J | 0.00188 J |
| PCB 93/100 | mg/Kg | | | 5.96E-05 J | -- | -- | -- | -- | 0.000937 | 1.84E-05 J | -- | -- | 8.27E-05 J | 2.33E-05 J | 2.13E-06 U | 2.65E-06 U | 9.78E-06 J | 1.65E-06 U |
| PCB 98/102 | mg/Kg | | | 0.000233 | -- | -- | -- | -- | 0.000691 | 5.92E-05 J | -- | -- | 9.74E-05 J | 1.8E-05 J | 2.2E-06 U | 2.73E-06 U | 5.67E-06 J | 2.62E-05 J |
| Total Dichlorobiphenyl | mg/Kg | | | 0.000588 J | -- | -- | -- | -- | 0.0228 | -- | -- | -- | -- | -- | -- | -- | 0.000211 J | -- |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.029 J | -- | -- | -- | -- | 0.0582 J | 0.00205 | -- | -- | 0.00481 | 0.00473 | 0.000873 | 2.33E-05 J | 0.000602 J | 0.00467 |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.175 J | -- | -- | -- | -- | 0.0382 J | 0.00817 | -- | -- | 0.0106 | 0.00413 | 0.000841 | 5.89E-05 J | 0.000515 J | 0.0138 |
| Total Monochlorobiphenyl | mg/Kg | | | 0.000183 | -- | -- | -- | -- | 0.00253 | 1.4E-05 J | -- | -- | 0.000294 | 0.000176 | 3.73E-05 J | 2.41E-06 U | 1.87E-05 J | 3.77E-05 J |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.012 | -- | -- | -- | -- | 0.107 | 0.00133 | -- | -- | 0.00818 | 0.0122 | 0.00272 | 2.71E-05 J | 0.00133 J | 0.00115 |
| Total Octachlorobiphenyl | mg/Kg | | | 0.00766 | -- | -- | -- | -- | 0.0638 | 0.000971 | -- | -- | 0.00492 | 0.00588 | 0.00119 | 3.18E-06 J | 0.000724 J | 0.00147 |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.227 J | -- | -- | -- | -- | 0.0524 J | 0.0128 | -- | -- | 0.0157 | 0.0034 | 0.000689 | 4.75E-05 J | 0.000693 J | 0.0117 |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.0314 J | -- | -- | -- | -- | 0.0301 J | 0.00391 | -- | -- | 0.00583 | 0.00125 | 0.000205 | 9.04E-06 J | 0.000238 J | 0.00196 |
| Total Trichlorobiphenyl | mg/Kg | | | 0.00124 J | -- | -- | -- | -- | 0.0236 | 0.000499 | -- | -- | 0.00213 | 0.000698 | 0.000128 | 1.33E-06 U | 0.000118 J | 0.00023 |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.523 J | -- | -- | -- | -- | **0.885 J** | 0.0369 | -- | -- | 0.097 | 0.0865 | 0.0186 | 0.000252 | 0.00931 J | 0.0463 |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | -- | 0.00083 | 4.77E-06 | 1.07E-05 | 1.44E-06 | **0.0105** | 0.000148 | -- | **0.0148** | 0.000787 | -- | -- | -- | 8.7E-05 J | -- |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | -- | 830 | 4.77 | 10.7 | 1.44 | **10500** | 148 | -- | **14800** | 787 | -- | -- | -- | 87 J | -- |
| Total TEQ-PCB Congener Only | mg/Kg | | | 0.000138 | -- | -- | -- | -- | 0.000114 | -- | 2.24E-06 | -- | 7.52E-06 | 9.47E-06 | 2.2E-06 | 6.38E-10 | 1.15E-06 | 7.32E-06 |
| Total TEQ-PCB Congener Only | pg/g | | | 138 | -- | -- | -- | -- | 114 | -- | 2.24 | -- | 7.52 | 9.47 | 2.2 | 0.000638 | 1.15 | 7.32 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-24 | NW-24 | NW-25 | NW-25 | NW-26 | NW-26 | NW-4 | NW-4 | NW-4 | NW-4 | NW-5 | NW-6 | NW-6 | NW-7 | NW-7 | NW-8 |
| | | | Sample Name | Duplicate Beta Ditch | NW-24 | | | | | | | | | NW-5 | | | | | NW-8 |
| | | | Start Depth | 2 | 2 | 1 | 3 | 1 | 3 | 0 | 0 | 0.5 | 0.5 | 7.5 | 0 | 0.5 | 0 | 0.5 | 5 |
| | | | End Depth | 2 | 2 | 2 | 4 | 2 | 4 | 0.5 | 0.5 | 1.5 | 1.5 | 7.5 | 0.5 | 1.5 | 0.5 | 1.5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 8/23/2013 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 5/2/2011 | 5/3/2011 | 5/2/2011 | 5/3/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 8/23/2013 |
| | | | Parent Sample | NW-24_08/23/13 | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | 0.00352 | 0.00348 | 0.00399 | 0.00213 | 0.00103 | 0.000636 | -- | -- | -- | -- | 0.000204 | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | 0.00319 | 0.00298 | 0.0012 | 0.000607 | 0.000468 | 0.000206 | -- | -- | -- | -- | 2.66E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | 0.00488 | 0.00487 | 0.0057 | 0.00273 | 0.00139 | 0.000705 | -- | -- | -- | -- | 0.000312 | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | 0.00124 | 0.00119 | 0.000592 J | 0.000272 J | 0.000181 J | 0.000153 J | -- | -- | -- | -- | 1.36E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | 0.00204 | 0.00205 | 0.000949 J | 0.00059 J | 0.000383 J | 0.000248 J | -- | -- | -- | -- | 5.58E-05 | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | 0.00832 | 0.00878 | 0.00274 J | 0.00167 J | 0.00215 J | 0.00119 J | -- | -- | -- | -- | 1.56E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | 0.000567 | 0.000642 | 0.000779 | 0.000416 | 0.000268 | 0.000143 | -- | -- | -- | -- | 4.06E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | 0.00245 | 0.0026 | 0.00376 | 0.0019 | 0.000927 | 0.000485 | -- | -- | -- | -- | 0.000153 | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | 0.00148 | 0.00162 | 0.000835 | 0.00047 | 0.000419 | 0.000676 | -- | -- | -- | -- | 2.52E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | 0.000552 | 0.000535 | 0.000256 | 0.000131 | 6.75E-05 J | 4.76E-05 J | -- | -- | -- | -- | 2.63E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | 0.000865 | 0.000933 | 0.000812 | 0.000404 | 0.000248 | 0.000142 | -- | -- | -- | -- | 5.42E-05 | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | 0.00598 | 0.00695 | 0.00193 | 0.000884 | 0.00117 | 0.00266 | -- | -- | -- | -- | 2.08E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | 0.000511 | 0.000682 | 0.000305 J | 0.000136 J | 0.000101 J | 0.000133 J | -- | -- | -- | -- | 2.51E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | 0.0038 | 0.00434 | 0.00142 | 0.000638 | 0.00083 | 0.00171 | -- | -- | -- | -- | 1.51E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | 0.00177 | 0.00198 | 0.00202 | 0.000859 | 0.0013 | 0.00445 | -- | -- | -- | -- | 7.22E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | 0.000843 | 0.000931 | 0.000277 | 0.000144 | 0.000151 | 0.000328 | -- | -- | -- | -- | 1.53E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | 0.000161 | 0.00017 | 0.0002 J | 8.56E-05 J | 0.000191 | 0.00063 | -- | -- | -- | -- | 5.14E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | 0.00752 | 0.00791 | 0.007 J | 0.00275 J | 0.00612 J | 0.019 J | -- | -- | -- | -- | 1.38E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | 0.0015 | 0.00172 | 0.0017 | 0.000704 | 0.0018 | 0.00526 | -- | -- | -- | -- | 1.32E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | 0.000552 | 0.000535 | 0.000633 | 0.00026 | 0.000155 | 0.000125 | -- | -- | -- | -- | 1.7E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | 0.00127 | 0.00135 | 0.00046 | 0.000206 | 0.000193 | 0.000392 | -- | -- | -- | -- | 1.76E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | 0.000322 | 0.000366 | 0.000286 J | 0.000122 J | 0.000158 J | 0.00044 J | -- | -- | -- | -- | 6.67E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | 0.00221 | 0.00245 | 0.000554 J | 0.000247 J | 0.000297 J | 0.000655 J | -- | -- | -- | -- | 1.21E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | 0.00249 | 0.00254 | 0.000833 J | 0.000362 J | 0.00107 J | 0.00284 J | -- | -- | -- | -- | 6.14E-06 J | -- | -- | -- | -- | -- |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | 0.00209 | 0.00218 | 0.00207 J | 0.000833 J | 0.00337 J | 0.00798 J | -- | -- | -- | -- | 1.56E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | 0.00174 | 0.00176 | 0.000834 J | 0.000437 J | 0.000303 J | 0.000251 J | -- | -- | -- | -- | 2.77E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | 0.000395 | 0.00041 | 0.000434 J | 0.000216 J | 0.000102 J | 6.33E-05 J | -- | -- | -- | -- | 3.66E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | 9.67E-05 J+ | 0.000118 J+ | 0.000138 J | 6.8E-05 J | 6.14E-05 J | 0.000144 J | -- | -- | -- | -- | 1.01E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | 0.000219 | 0.000293 | 0.000149 J | 8E-05 J | 5.26E-05 J | 5.17E-05 J | -- | -- | -- | -- | 1.58E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | 0.00484 | 0.00623 | 0.00128 | 0.000676 | 0.000835 | 0.00154 | -- | -- | -- | -- | 4.31E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | 0.000956 | 0.00115 | 0.00184 J | 0.000783 J | 0.00129 J | 0.00416 J | -- | -- | -- | -- | 5.88E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | 0.000171 | 0.000197 | 0.000201 | 0.000108 | 6.95E-05 | 3E-05 J | -- | -- | -- | -- | 2.26E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | 2.79E-05 U | 2.91E-05 U | 1.18E-05 U | 2.03E-05 U | 1.97E-05 U | 1.07E-05 U | -- | -- | -- | -- | 2.95E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | 0.0063 | 0.00709 | 0.00199 J | 0.000908 J | 0.00102 J | 0.0021 J | -- | -- | -- | -- | 1.92E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | 0.00527 | 0.00616 | 0.00299 | 0.00128 | 0.00212 | 0.00749 | -- | -- | -- | -- | 1.11E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | 0.00328 | 0.00389 | 0.00274 | 0.00122 | 0.00171 | 0.00529 | -- | -- | -- | -- | 1.98E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | 2.9E-05 J | 3.28E-05 J | 3.47E-05 J | 1.78E-05 J | 1.02E-05 J | 5.16E-06 J | -- | -- | -- | -- | 3.04E-06 J | -- | -- | -- | -- | -- |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | 0.000132 | 0.000182 | 0.000184 | 8.07E-05 | 5.68E-05 | 3.36E-05 J | -- | -- | -- | -- | 1.46E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | 7.79E-05 U | 8.57E-05 U | 3.11E-05 U | 8.18E-06 U | 1.42E-05 U | 3.08E-05 U | -- | -- | -- | -- | 6.91E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | 0.00106 | 0.000841 | 0.00035 | 0.00012 | 0.000325 | 0.000843 | -- | -- | -- | -- | 5.69E-06 J | -- | -- | -- | -- | -- |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | 7.33E-05 | 7.7E-05 | 6.17E-05 | 2.85E-05 J | 2.11E-05 J | 2.66E-05 J | -- | -- | -- | -- | 7.86E-06 J | -- | -- | -- | -- | -- |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | 2.16E-05 J | 2E-05 J | 1.72E-05 J | 1.03E-05 J | 8.83E-06 J | 9.24E-06 J | -- | -- | -- | -- | 2.45E-06 J | -- | -- | -- | -- | -- |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | 5.16E-05 | 6.17E-05 | 4.16E-05 J | 2.06E-05 J | 2.52E-05 J | 2.4E-05 J | -- | -- | -- | -- | 4E-06 J | -- | -- | -- | -- | -- |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | 2.81E-05 J | 3.02E-05 J | 3.54E-05 J | 1.98E-05 J | 5.98E-05 | 9.83E-05 J | -- | -- | -- | -- | 1.55E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | 0.000122 | 0.000126 | 0.000156 | 5.85E-05 | 0.000185 | 0.000238 J | -- | -- | -- | -- | 3.48E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | 0.0026 | 0.00264 | 0.00176 | 0.000792 | 0.00227 | 0.00589 | -- | -- | -- | -- | 1.08E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | 1.94E-05 J | 2.05E-05 J | 1.61E-05 J | 8.89E-06 J | 1.23E-05 J | 2.33E-05 J | -- | -- | -- | -- | 2.21E-06 J | -- | -- | -- | -- | -- |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | 2.81E-05 J | 1.07E-05 J | 1.68E-05 J | 9.03E-06 J | 2.8E-05 J | 5.08E-05 J | -- | -- | -- | -- | 4.02E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | 0.00988 | 0.0103 | 0.00495 J | 0.00216 J | 0.00903 J | 0.0184 J | -- | -- | -- | -- | 3.98E-05 J | -- | -- | -- | -- | -- |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | 2.64E-05 J | 2.76E-05 J | 1.06E-05 J | 5.55E-06 J | 2.52E-05 J | 4.39E-06 U | -- | -- | -- | -- | 3E-06 U | -- | -- | -- | -- | -- |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-24 | NW-24 | NW-25 | NW-25 | NW-26 | NW-26 | NW-4 | NW-4 | NW-4 | NW-4 | NW-5 | NW-6 | NW-6 | NW-7 | NW-7 | NW-8 |
| | | | Sample Name | Duplicate Beta Ditch | NW-24 | | | | | | | | | NW-5 | | | | | NW-8 |
| | | | Start Depth | 2 | 2 | 1 | 3 | 1 | 3 | 0 | 0 | 0.5 | 0.5 | 7.5 | 0 | 0.5 | 0 | 0.5 | 5 |
| | | | End Depth | 2 | 2 | 2 | 4 | 2 | 4 | 0.5 | 0.5 | 1.5 | 1.5 | 7.5 | 0.5 | 1.5 | 0.5 | 1.5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 8/23/2013 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 5/2/2011 | 5/3/2011 | 5/2/2011 | 5/3/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 8/23/2013 |
| | | | Parent Sample | NW-24_08/23/13 | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | 1.22E-05 J | 1.42E-05 J | 1.34E-05 J | 5.33E-06 J | 1.55E-05 J | 1.37E-05 J | -- | -- | -- | -- | 5.58E-06 J | -- | -- | -- | -- | -- |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | 3.96E-05 | 4.15E-05 | 5E-05 | 1.84E-05 | 2.61E-05 | 8.07E-06 J | -- | -- | -- | -- | 6.93E-06 U | -- | -- | -- | -- | -- |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | 0.000181 | 7.22E-06 U | 0.000126 J | 4.4E-05 J | 8.2E-05 J | 0.000119 J | -- | -- | -- | -- | 6.46E-06 J | -- | -- | -- | -- | -- |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | 3.08E-05 J | 2.73E-05 J | 3.73E-05 J | 1.85E-05 J | 1.34E-05 J | 4.25E-06 U | -- | -- | -- | -- | 4.32E-06 J | -- | -- | -- | -- | -- |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | 6.17E-05 | 5.08E-05 J | 3.1E-05 J | 1.48E-05 J | 3.89E-05 J | 3.95E-05 J | -- | -- | -- | -- | 3.67E-06 U | -- | -- | -- | -- | -- |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | 7.83E-05 J | 0.000162 J | 6.14E-05 | 2.33E-05 J | 6.61E-05 | 4.51E-06 U | -- | -- | -- | -- | 3.98E-06 U | -- | -- | -- | -- | -- |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | 6.89E-06 U | 5.05E-06 U | 1.73E-06 U | 1.44E-06 U | 1.18E-06 U | 5.15E-06 U | -- | -- | -- | -- | 3.15E-06 U | -- | -- | -- | -- | -- |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | 2.69E-05 | 3.21E-05 | 4.14E-05 | 1.48E-05 J | 1.81E-05 J | 5.89E-06 U | -- | -- | -- | -- | 6E-06 U | -- | -- | -- | -- | -- |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | 0.00403 | 0.00432 | 0.00247 J | 0.00095 J | 0.00513 J | 0.00672 J | -- | -- | -- | -- | 3.53E-05 J | -- | -- | -- | -- | -- |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | 4.97E-06 U | 3.15E-06 U | 2.12E-06 U | 1.12E-06 U | 1.06E-06 U | 3.02E-06 U | -- | -- | -- | -- | 1.57E-06 U | -- | -- | -- | -- | -- |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | 7.1E-06 J | 8.83E-06 J | 1.04E-05 J | 3.45E-06 U | 5.87E-06 J | 5.81E-06 U | -- | -- | -- | -- | 4.92E-06 U | -- | -- | -- | -- | -- |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | 0.000202 | 0.000138 | 0.000171 | 6.26E-05 J | 9.38E-05 | 0.000129 U | -- | -- | -- | -- | 1.44E-05 U | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | 0.000548 | 0.000568 | 0.000659 J | 0.000346 J | 0.000154 J | 0.00011 J | -- | -- | -- | -- | 3.24E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | 0.000467 | 0.000468 | 0.000458 | 0.000234 | 0.000151 | 0.000382 | -- | -- | -- | -- | 1.61E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | 0.00154 | 0.00181 | 0.000831 | 0.000399 | 0.000446 | 0.000631 | -- | -- | -- | -- | 1.42E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | 0.000416 | 0.000432 J+ | 0.000256 | 0.000127 | 0.000121 | 0.000221 | -- | -- | -- | -- | 1.09E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | 0.00329 | 0.00341 | 0.0027 | 0.00119 | 0.00204 | 0.00725 | -- | -- | -- | -- | 1.32E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | 0.00836 | 0.00839 | 0.0134 | 0.00578 | 0.0103 | 0.0337 | -- | -- | -- | -- | 2.49E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | 2.32E-05 U | 2.59E-05 U | 0.000109 | 4.18E-05 J | 2.57E-05 J | 1.38E-05 U | -- | -- | -- | -- | 8.61E-06 J | -- | -- | -- | -- | -- |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | 4.5E-05 U | 8.81E-05 U | 0.000194 U | 4.68E-05 U | 6.33E-05 | 0.000125 | -- | -- | -- | -- | 8.97E-06 J | -- | -- | -- | -- | -- |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | 0.000334 | 0.000296 | 0.00024 | 0.000108 | 0.000134 | 0.000273 | -- | -- | -- | -- | 1.01E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | 5.48E-05 U | 5.79E-05 U | 2.28E-05 U | 6.09E-06 U | 1.06E-05 U | 2.54E-05 U | -- | -- | -- | -- | 4.39E-06 U | -- | -- | -- | -- | -- |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | 5.46E-05 U | 5.51E-05 U | 2.09E-05 U | 5.42E-06 U | 9.4E-06 U | 2.12E-05 U | -- | -- | -- | -- | 4.52E-06 U | -- | -- | -- | -- | -- |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | 0.00212 | 0.00287 | 0.00157 | 0.0007 | 0.00107 | 0.00291 | -- | -- | -- | -- | 1.34E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | 8.74E-05 UJ | 0.00055 J | 0.000101 U | 1.05E-05 U | 1.76E-05 U | 0.000124 U | -- | -- | -- | -- | 2.22E-05 J | -- | -- | -- | -- | -- |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | 0.000211 J+ | 0.000213 | 0.000183 J | 0.000105 | 0.000224 | 0.000616 | -- | -- | -- | -- | 5.66E-06 U | -- | -- | -- | -- | -- |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | 3.85E-06 U | 8.48E-06 U | 2.65E-06 U | 1.34E-06 U | 1.17E-06 U | 3.68E-06 U | -- | -- | -- | -- | 3.18E-06 U | -- | -- | -- | -- | -- |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | 0.000677 | 0.000637 | 0.000801 J | 0.00035 J | 0.000866 J | 0.00174 J | -- | -- | -- | -- | 9.84E-06 J | -- | -- | -- | -- | -- |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | 5.46E-05 U | 5.88E-05 U | 2.43E-05 U | 6.37E-06 U | 1.11E-05 U | 2.52E-05 U | -- | -- | -- | -- | 4.67E-06 U | -- | -- | -- | -- | -- |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | 5.96E-05 U | 9.48E-05 U | 3.61E-05 J | 2.45E-05 J | 3.79E-06 U | 1.36E-05 U | -- | -- | -- | -- | 5.37E-06 J | -- | -- | -- | -- | -- |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | 6.09E-05 U | 0.000103 U | 6.85E-06 U | 8.59E-06 U | 4.21E-06 U | 1.31E-05 U | -- | -- | -- | -- | 3.85E-06 J | -- | -- | -- | -- | -- |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | 4.19E-06 U | 9.33E-06 U | 2.2E-06 U | 1.3E-06 U | 1.14E-06 U | 3.35E-06 U | -- | -- | -- | -- | 3.49E-06 U | -- | -- | -- | -- | -- |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | 3.93E-06 U | 8.53E-06 U | 2.46E-06 U | 1.47E-06 U | 1.28E-06 U | 3.67E-06 U | -- | -- | -- | -- | 3.29E-06 U | -- | -- | -- | -- | -- |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | 0.00158 | 0.00152 | 0.00164 | 0.000828 | 0.0011 | 0.00384 | -- | -- | -- | -- | 1.79E-05 J | -- | -- | -- | -- | -- |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | 0.000334 J+ | 0.000344 | 0.000565 J | 0.00025 J | 0.00038 J | 0.00127 J | -- | -- | -- | -- | 5.42E-06 U | -- | -- | -- | -- | -- |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | 0.0165 | 0.0168 | 0.026 J | 0.0114 J | 0.0204 J | 0.0674 J | -- | -- | -- | -- | 5.02E-05 J | -- | -- | -- | -- | -- |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | 9.8E-05 UJ | 0.000375 J | 0.000329 | 0.000125 J | 0.000256 | 0.000717 | -- | -- | -- | -- | 5.78E-06 U | -- | -- | -- | -- | -- |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | 0.000307 | 0.000278 | 0.000481 | 0.000203 | 0.000403 | 0.000858 | -- | -- | -- | -- | 4.56E-06 U | -- | -- | -- | -- | -- |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | 0.00152 | 0.00154 | 0.00261 | 0.000981 | 0.0022 | 0.0046 | -- | -- | -- | -- | 1.73E-05 J | -- | -- | -- | -- | -- |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | 7.59E-05 | 9.81E-05 U | 8.63E-05 | 3.81E-05 J | 3.53E-06 U | 0.000189 J | -- | -- | -- | -- | 6.89E-06 J | -- | -- | -- | -- | -- |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | 5.55E-05 U | 8.95E-05 U | 6.93E-06 U | 7.91E-06 U | 3.87E-06 U | 1.28E-05 U | -- | -- | -- | -- | 2.69E-06 U | -- | -- | -- | -- | -- |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | 9.6E-05 | 9.98E-06 U | 0.000118 | 4.34E-05 J | 7.7E-05 | 0.000107 J | -- | -- | -- | -- | 3.64E-06 U | -- | -- | -- | -- | -- |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | 3.31E-05 J | 3.55E-05 J | 5.41E-05 | 2.22E-05 J | 3.33E-05 J | 1.74E-05 J | -- | -- | -- | -- | 3.19E-06 U | -- | -- | -- | -- | -- |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | 3.06E-05 J | 2.95E-05 J | 3.64E-05 J | 1.54E-05 J | 1.05E-06 U | 3.14E-06 U | -- | -- | -- | -- | 6.3E-06 J | -- | -- | -- | -- | -- |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | 0.000524 | 0.000528 | 0.000525 | 0.000185 | 0.000688 | 0.00126 | -- | -- | -- | -- | 6.23E-06 J | -- | -- | -- | -- | -- |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | 0.000111 | 9.7E-05 | 9.25E-05 | 4.94E-05 | 8.9E-05 | 7.52E-05 | -- | -- | -- | -- | 6.02E-06 J | -- | -- | -- | -- | -- |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | 2.3E-05 | 1.37E-05 J | 2.49E-05 | 1.49E-05 J | 1.57E-05 J | 1E-05 J | -- | -- | -- | -- | 3.34E-06 U | -- | -- | -- | -- | -- |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | 4.03E-05 J | 4.37E-05 J | 4.62E-05 J | 1.88E-05 J | 2.29E-05 J | 3.13E-06 U | -- | -- | -- | -- | 3.76E-06 J | -- | -- | -- | -- | -- |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | 9.04E-06 J | 1.5E-05 U | 6.49E-06 U | 6.77E-06 J | 3.71E-06 U | 4.47E-06 U | -- | -- | -- | -- | 4.48E-06 U | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-24 | NW-24 | NW-25 | NW-25 | NW-26 | NW-26 | NW-4 | NW-4 | NW-4 | NW-4 | NW-5 | NW-6 | NW-6 | NW-7 | NW-7 | NW-8 |
| | | | Sample Name | Duplicate Beta Ditch | NW-24 | | | | | | | | | NW-5 | | | | | NW-8 |
| | | | Start Depth | 2 | 2 | 1 | 3 | 1 | 3 | 0 | 0 | 0.5 | 0.5 | 7.5 | 0 | 0.5 | 0 | 0.5 | 5 |
| | | | End Depth | 2 | 2 | 2 | 4 | 2 | 4 | 0.5 | 0.5 | 1.5 | 1.5 | 7.5 | 0.5 | 1.5 | 0.5 | 1.5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 8/23/2013 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 5/2/2011 | 5/3/2011 | 5/2/2011 | 5/3/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 8/23/2013 |
| | | | Parent Sample | NW-24_08/23/13 | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | 9.13E-06 J | 1.58E-05 U | 6.17E-06 U | 6.46E-06 J | 3.63E-06 J | 4.2E-06 U | -- | -- | -- | -- | 4.82E-06 U | -- | -- | -- | -- | -- |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | 7.52E-06 J | 9.63E-06 J | 7.82E-06 J | 3.39E-06 J | 3.34E-06 J | 4.24E-06 U | -- | -- | -- | -- | 3.94E-06 U | -- | -- | -- | -- | -- |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | 8.28E-06 J | 7.91E-06 J | 8.97E-06 J | 3.15E-06 J | 3.87E-06 J | 3.98E-06 U | -- | -- | -- | -- | 4.21E-06 U | -- | -- | -- | -- | -- |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | 5.13E-05 | 5.42E-05 | 2.8E-05 U | 1.79E-05 U | 1.48E-05 U | 8.65E-05 U | -- | -- | -- | -- | 5.27E-06 U | -- | -- | -- | -- | -- |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | 0.000198 | 0.000158 | 7.1E-05 J | 6.21E-05 | 8.01E-05 | 7.45E-05 U | -- | -- | -- | -- | 5.61E-06 J | -- | -- | -- | -- | -- |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | 0.000283 | 0.00026 | 0.00027 | 0.000127 | 0.000213 | 0.000217 | -- | -- | -- | -- | 1.65E-05 J | -- | -- | -- | -- | -- |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | 2.61E-05 | 2.6E-05 | 2.73E-05 | 1.01E-05 J | 1.45E-05 J | 7.43E-06 J | -- | -- | -- | -- | 4.12E-06 U | -- | -- | -- | -- | -- |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | 1.65E-05 J | 2.3E-05 | 2.48E-05 U | 1.59E-05 U | 1.3E-05 U | 7.59E-05 U | -- | -- | -- | -- | 4.54E-06 U | -- | -- | -- | -- | -- |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | 0.000317 | 0.0002 | 0.00019 | 0.000118 J | 0.000164 | 6.97E-05 U | -- | -- | -- | -- | 1.54E-05 J | -- | -- | -- | -- | -- |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | 9.42E-05 | 5.57E-05 | 4.68E-05 | 2.86E-05 | 3.29E-05 J | 7.3E-05 U | -- | -- | -- | -- | 5.07E-06 U | -- | -- | -- | -- | -- |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | 6.45E-06 U | 8.3E-06 U | 1.44E-05 U | 1.11E-05 U | 1.79E-05 U | 6.6E-05 U | -- | -- | -- | -- | 9.22E-06 U | -- | -- | -- | -- | -- |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | 0.000328 J | 0.000159 J | 0.000137 | 7.75E-05 | 0.000123 | 5.43E-05 | -- | -- | -- | -- | 4.59E-06 U | -- | -- | -- | -- | -- |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | 5.11E-05 U | 9.43E-05 U | 0.000218 U | 4.92E-05 U | 2.28E-05 U | 3.28E-05 J | -- | -- | -- | -- | 3.6E-06 U | -- | -- | -- | -- | -- |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | 0.000625 | 0.000559 | 0.00104 | 0.000401 | 0.00057 | 0.000948 | -- | -- | -- | -- | 6.47E-06 U | -- | -- | -- | -- | -- |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | 0.0012 | 0.00102 | 0.0023 | 0.000951 | 0.00155 | 0.00346 | -- | -- | -- | -- | 1.05E-05 J | -- | -- | -- | -- | -- |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | 9.71E-05 U | 0.000111 U | 0.000108 U | 2.56E-05 J | 1.89E-05 U | 0.000144 U | -- | -- | -- | -- | 5.36E-06 U | -- | -- | -- | -- | -- |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | 2.31E-05 U | 3.08E-05 U | 2.08E-05 U | 2.66E-05 U | 6.64E-06 U | 1.45E-05 U | -- | -- | -- | -- | 4.96E-06 U | -- | -- | -- | -- | -- |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | 0.000159 | 0.00014 | 0.000393 | 0.000155 | 0.000158 | 0.000463 | -- | -- | -- | -- | 4.62E-06 U | -- | -- | -- | -- | -- |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | 7.35E-05 | 6.65E-05 | 6.63E-05 | 4.74E-05 | 5.43E-05 | 5.62E-05 | -- | -- | -- | -- | 1.02E-05 J | -- | -- | -- | -- | -- |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | 2.1E-05 U | 2.7E-05 U | 1.99E-05 U | 2.68E-05 U | 6.7E-06 U | 1.36E-05 U | -- | -- | -- | -- | 4.6E-06 U | -- | -- | -- | -- | -- |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | 2.98E-05 | 2.34E-05 J+ | 2.14E-05 | 1.81E-05 J | 1.26E-05 J | 3.74E-06 U | -- | -- | -- | -- | 6.55E-06 J | -- | -- | -- | -- | -- |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | 7.41E-05 J | 7.02E-05 J | 7.99E-05 J | 4.76E-05 J | 4.73E-05 J | 7.26E-05 U | -- | -- | -- | -- | 2.41E-05 J | -- | -- | -- | -- | -- |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | 8.42E-05 | 6.59E-05 | 9.77E-05 | 3.18E-05 U | 3.41E-05 J | 7.34E-05 J | -- | -- | -- | -- | 6.1E-06 U | -- | -- | -- | -- | -- |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | 0.000457 | 0.000317 | 0.00038 | 0.000182 | 0.000281 | 0.000463 | -- | -- | -- | -- | 1.87E-05 J | -- | -- | -- | -- | -- |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | 1.49E-05 J | 1.69E-05 U | 6.23E-06 U | 8.39E-06 J | 3.55E-06 U | 4.12E-06 U | -- | -- | -- | -- | 4.94E-06 U | -- | -- | -- | -- | -- |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | 4.73E-05 | 2.89E-05 J+ | 4.03E-05 | 3.32E-05 | 1.66E-05 J | 3.95E-06 U | -- | -- | -- | -- | 1.09E-05 J | -- | -- | -- | -- | -- |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | 1.53E-05 J | 1.31E-05 J | 2.46E-05 U | 1.53E-05 U | 1.26E-05 U | 7.24E-05 U | -- | -- | -- | -- | 4.89E-06 U | -- | -- | -- | -- | -- |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | 0.000216 | 0.000156 | 0.000116 | 5.65E-05 | 6.68E-05 | 3.52E-05 | -- | -- | -- | -- | 4.87E-06 U | -- | -- | -- | -- | -- |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | 0.00056 | 0.000396 | 0.000302 | 0.000171 | 0.000214 | 7.9E-05 U | -- | -- | -- | -- | 4.08E-05 J | -- | -- | -- | -- | -- |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | 0.000278 J | 0.000142 J | 0.000153 | 7.06E-05 | 0.000121 | 3.41E-05 J | -- | -- | -- | -- | 4.94E-06 U | -- | -- | -- | -- | -- |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.019 U | -- |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | 0.035 U | -- | 0.036 U | -- | 0.036 U | 0.037 U | 0.035 U | 0.037 U | -- |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.019 U | -- |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.019 U | -- |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.019 U | -- |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | -- | -- | -- | -- | -- | -- | 0.062 | -- | 0.053 J+ | -- | 0.02 U | 0.021 U | 0.02 U | 0.021 U | -- |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | -- | -- | -- | -- | -- | -- | 0.018 U | -- | 0.018 U | -- | 0.018 U | 0.019 U | 0.018 U | 0.019 U | -- |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | 0.0461 | 0.0474 | 0.0559 | 0.0302 | 0.014 | 0.00655 | -- | -- | -- | -- | 0.00243 | -- | -- | -- | -- | -- |
| PCB 107/124 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 108/124 | mg/kg | | | 0.000655 | 0.000679 | 0.000796 J | 0.000353 J | 0.000745 J | 0.00198 J | -- | -- | -- | -- | 4.94E-06 U | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | 0.0172 | 0.0178 | 0.018 J | 0.00765 J | 0.0208 J | 0.0518 J | -- | -- | -- | -- | 7.53E-05 J | -- | -- | -- | -- | -- |
| PCB 12/13 | mg/Kg | | | 0.000327 | 0.000207 | 0.000193 | 0.000131 | 0.000133 | 8.01E-05 U | -- | -- | -- | -- | 1.52E-05 J | -- | -- | -- | -- | -- |
| PCB 128/166 | mg/Kg | | | 0.00469 | 0.00508 | 0.00641 | 0.00241 | 0.00418 | 0.0136 | -- | -- | -- | -- | 1.12E-05 J | -- | -- | -- | -- | -- |
| PCB 129/138/163 | mg/Kg | | | 0.0278 | 0.0315 | 0.0258 J | 0.0119 J | 0.0197 J | 0.0605 J | -- | -- | -- | -- | 4.58E-05 J | -- | -- | -- | -- | -- |
| PCB 134/143 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 135/151 | mg/Kg | | | 0.00683 | 0.00735 | 0.00302 | 0.00116 | 0.00231 | 0.00737 | -- | -- | -- | -- | 1.85E-05 J | -- | -- | -- | -- | -- |
| PCB 139/140 | mg/Kg | | | 0.000345 | 0.000354 | 0.000345 J | 0.000148 J | 0.0003 J | 0.000897 J | -- | -- | -- | -- | 5.69E-06 U | -- | -- | -- | -- | -- |
| PCB 147/149 | mg/Kg | | | 0.0173 | 0.0188 | 0.00996 J | 0.00388 J | 0.00819 J | 0.0233 J | -- | -- | -- | -- | 2.52E-05 J | -- | -- | -- | -- | -- |
| PCB 153/168 | mg/Kg | | | 0.0223 | 0.0254 | 0.015 J | 0.00688 J | 0.0105 J | 0.0303 J | -- | -- | -- | -- | 3.33E-05 J | -- | -- | -- | -- | -- |
| PCB 156/157 | mg/Kg | | | 0.00427 | 0.00419 | 0.0051 | 0.00236 | 0.00341 | 0.0134 | -- | -- | -- | -- | 2.34E-05 J | -- | -- | -- | -- | -- |
| PCB 171/173 | mg/Kg | | | 0.00257 | 0.00281 | 0.00132 J | 0.000569 J | 0.000683 J | 0.00158 J | -- | -- | -- | -- | 4.3E-05 J | -- | -- | -- | -- | -- |
| PCB 18/30 | mg/Kg | | | 8.83E-05 | 0.000102 | 6.03E-05 | 2.66E-05 J | 4.21E-05 J | 1.88E-05 J | -- | -- | -- | -- | 9.05E-06 J | -- | -- | -- | -- | -- |
| PCB 180/193 | mg/Kg | | | 0.0139 | 0.0152 | 0.00501 J | 0.00285 J | 0.00322 J | 0.00296 J | -- | -- | -- | -- | 4.67E-05 J | -- | -- | -- | -- | -- |
| PCB 198/199 | mg/Kg | | | 0.00303 | 0.00307 | 0.00152 J | 0.000794 J | 0.0005 J | 0.000461 J | -- | -- | -- | -- | 6.68E-05 J | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-24 | NW-24 | NW-25 | NW-25 | NW-26 | NW-26 | NW-4 | NW-4 | NW-4 | NW-4 | NW-5 | NW-6 | NW-6 | NW-7 | NW-7 | NW-8 |
| | | | Sample Name | Duplicate Beta Ditch | NW-24 | | | | | | | | | NW-5 | | | | | NW-8 |
| | | | Start Depth | 2 | 2 | 1 | 3 | 1 | 3 | 0 | 0 | 0.5 | 0.5 | 7.5 | 0 | 0.5 | 0 | 0.5 | 5 |
| | | | End Depth | 2 | 2 | 2 | 4 | 2 | 4 | 0.5 | 0.5 | 1.5 | 1.5 | 7.5 | 0.5 | 1.5 | 0.5 | 1.5 | 5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 8/23/2013 | 8/23/2013 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 6/20/2012 | 5/2/2011 | 5/3/2011 | 5/2/2011 | 5/3/2011 | 9/4/2013 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 8/23/2013 |
| | | | Parent Sample | NW-24_08/23/13 | | | | | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | | | |
| PCB 20/28 | mg/Kg | | | 0.000256 | 0.000251 | 0.000252 | 0.00013 | 0.00024 | 0.000274 | -- | -- | -- | -- | 1.47E-05 J | -- | -- | -- | -- | -- |
| PCB 21/33 | mg/Kg | | | 0.000107 | 0.000102 | 0.000102 | 5.66E-05 | 6.21E-05 | 1.46E-05 J | -- | -- | -- | -- | 7.68E-06 J | -- | -- | -- | -- | -- |
| PCB 26/29 | mg/Kg | | | 7.84E-05 | 5.94E-05 | 5.76E-05 | 3.22E-05 J | 4.13E-05 J | 2.85E-05 J | -- | -- | -- | -- | 5.64E-06 J | -- | -- | -- | -- | -- |
| PCB 40/41/71 | mg/kg | | | 0.000332 | 0.000398 | 0.000322 | 0.000118 | 0.000328 | 0.000513 | -- | -- | -- | -- | 2.19E-05 J | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 43/73 | mg/kg | | | 4.45E-06 U | 1.01E-05 U | 2.97E-06 U | 1.51E-06 U | 1.32E-06 U | 4.27E-06 U | -- | -- | -- | -- | 3.82E-06 U | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | 0.00128 J | 9.28E-06 UJ | 0.00115 | 0.000431 | 0.00202 | 0.0032 | -- | -- | -- | -- | 4.59E-05 J | -- | -- | -- | -- | -- |
| PCB 45/51 | mg/kg | | | 3.79E-05 J | 1.25E-05 J | 4.34E-05 J | 1.5E-05 J | 3.7E-05 J | 3.12E-05 J | -- | -- | -- | -- | 4.37E-06 U | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | 0.00064 | 0.000671 | 0.000574 | 0.000219 | 0.000991 | 0.00135 | -- | -- | -- | -- | 1.12E-05 J | -- | -- | -- | -- | -- |
| PCB 50/53 | mg/Kg | | | 7.42E-05 J | 7.76E-05 J | 4.34E-05 J | 1.58E-05 J | 7.77E-05 J | 6.96E-05 J | -- | -- | -- | -- | 4.26E-06 U | -- | -- | -- | -- | -- |
| PCB 59/62/75 | mg/Kg | | | 9.29E-05 J | 0.00121 J | 8.11E-05 J | 3.36E-05 J | 4.66E-05 J | 3.29E-06 U | -- | -- | -- | -- | 1.36E-05 J | -- | -- | -- | -- | -- |
| PCB 61/70/74/76 | mg/Kg | | | 0.0036 | 0.0042 | 0.00759 | 0.00275 | 0.00703 | 0.0162 | -- | -- | -- | -- | 4.17E-05 J | -- | -- | -- | -- | -- |
| PCB 83/99 | mg/kg | | | 0.00686 | 0.00719 | 0.00663 | 0.00293 | 0.00807 | 0.0205 | -- | -- | -- | -- | 2.76E-05 J | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | 0.00287 | 0.00342 | 0.00213 | 0.00112 | 0.00264 | 0.00998 | -- | -- | -- | -- | 3.89E-05 J | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | 0.00926 | 0.0101 | 0.00912 J | 0.0042 J | 0.0113 J | 0.029 J | -- | -- | -- | -- | 6.02E-05 J | -- | -- | -- | -- | -- |
| PCB 88/91 | mg/Kg | | | 0.00123 | 0.0013 | 0.000976 | 0.000404 | 0.00163 | 0.0039 | -- | -- | -- | -- | 9.77E-06 J | -- | -- | -- | -- | -- |
| PCB 90/101/113 | mg/Kg | | | 0.0153 | 0.0168 | 0.0114 J | 0.00532 J | 0.0143 J | 0.0352 J | -- | -- | -- | -- | 4.95E-05 J | -- | -- | -- | -- | -- |
| PCB 93/100 | mg/Kg | | | 9.26E-05 J | 7.37E-05 J | 5.6E-05 J | 2.53E-05 J | 5.17E-05 J | 0.000126 J | -- | -- | -- | -- | 7.8E-06 J | -- | -- | -- | -- | -- |
| PCB 98/102 | mg/Kg | | | 0.000192 J | 0.000161 J | 0.00016 J | 7.3E-05 J | 0.000296 | 0.000472 | -- | -- | -- | -- | 3.43E-06 U | -- | -- | -- | -- | -- |
| Total Dichlorobiphenyl | mg/Kg | | | 0.00186 J | 0.00132 J | -- | -- | -- | -- | -- | -- | -- | -- | 0.000101 J | -- | -- | -- | -- | -- |
| Total Heptachlorobiphenyl | mg/Kg | | | 0.0551 J | 0.0619 J | 0.0205 | 0.0106 | 0.0121 | 0.0174 | -- | -- | -- | -- | 0.000415 J | -- | -- | -- | -- | -- |
| Total Hexachlorobiphenyl | mg/Kg | | | 0.115 J | 0.127 J | 0.0914 | 0.0397 | 0.0682 | 0.212 | -- | -- | -- | -- | 0.000305 J | -- | -- | -- | -- | -- |
| Total Monochlorobiphenyl | mg/Kg | | | 0.000822 J | 0.000456 J | 0.000406 | 0.000205 | 0.000311 | 0.000124 | -- | -- | -- | -- | 4.59E-06 U | -- | -- | -- | -- | -- |
| Total Nonachlorobiphenyl | mg/Kg | | | 0.0108 | 0.0109 | 0.0134 | 0.00676 | 0.00334 | 0.00183 | -- | -- | -- | -- | 0.000669 J | -- | -- | -- | -- | -- |
| Total Octachlorobiphenyl | mg/Kg | | | 0.0147 | 0.0147 | 0.00867 | 0.00447 | 0.00283 | 0.00195 | -- | -- | -- | -- | 0.000398 J | -- | -- | -- | -- | -- |
| Total Pentachlorobiphenyl | mg/Kg | | | 0.0974 J | 0.103 J | 0.103 | 0.0455 | 0.11 | 0.301 | -- | -- | -- | -- | 0.000491 J | -- | -- | -- | -- | -- |
| Total Tetrachlorobiphenyl | mg/Kg | | | 0.015 J | 0.0155 J | 0.02 | 0.00755 | 0.022 | 0.0409 | -- | -- | -- | -- | 0.000229 J | -- | -- | -- | -- | -- |
| Total Trichlorobiphenyl | mg/Kg | | | 0.0017 J | 0.00145 J | 0.00151 | 0.000789 | 0.00114 | 0.00117 | -- | -- | -- | -- | 0.000106 J | -- | -- | -- | -- | -- |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | 0.359 J | 0.384 J | 0.316 | 0.146 | 0.235 | 0.583 | -- | -- | -- | -- | 0.00515 J | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 0.000468 | 0.000542 J | -- | -- | -- | -- | 0.000503 | -- | 0.000316 | -- | 4.12E-05 | 0.000168 | 2.13E-06 | 0.00011 | 1.44E-06 | **0.00632** |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 468 | 542 J | -- | -- | -- | -- | 503 | -- | 316 | -- | 41.2 | 168 | 2.13 | 110 | 1.44 | **6320** |
| Total TEQ-PCB Congener Only | mg/Kg | | | 6.36E-05 | 5.7E-05 | 0.000106 | 4.08E-05 | 5.82E-05 | 9.98E-05 | -- | -- | -- | -- | 5.03E-09 J | -- | -- | -- | -- | -- |
| Total TEQ-PCB Congener Only | pg/g | | | 63.6 | 57 | 106 | 40.8 | 58.2 | 99.8 | -- | -- | -- | -- | 0.00503 J | -- | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-9 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | NW-9 | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 2 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft |
| | | | Sample Date | 9/4/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | |
| 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (PCB 206) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (PCB 194) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (PCB 207) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6-Octachlorobiphenyl (PCB 195) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (PCB 196) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',5-Heptachlorobiphenyl (PCB 170) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,4',6,6'-Octachlorobiphenyl (PCB 197) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (PCB 208) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,5'-Heptachlorobiphenyl (PCB 172) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,6,6'-Octachlorobiphenyl (PCB 200) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (PCB 201) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5,6'-Heptachlorobiphenyl (PCB 174) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6-Heptachlorobiphenyl (PCB 175) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5',6'-Heptachlorobiphenyl (PCB 177) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,5'-Hexachlorobiphenyl (PCB 130) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6,6'-Heptachlorobiphenyl (PCB 176) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6-Hexachlorobiphenyl (PCB 131) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4,6'-Hexachlorobiphenyl (PCB 132) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',4-Pentachlorobiphenyl (PCB 82) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (PCB 202) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5',6-Heptachlorobiphenyl (PCB 178) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',5,5'-Hexachlorobiphenyl (PCB 133) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',5,6,6'-Heptachlorobiphenyl (PCB 179) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',5-Pentachlorobiphenyl (PCB 83) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',6,6'-Hexachlorobiphenyl (PCB 136) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,3',6-Pentachlorobiphenyl (PCB 84) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,5',6-Octachlorobiphenyl (PCB 203) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (PCB 204) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6-Heptachlorobiphenyl (PCB 181) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5,6'-Heptachlorobiphenyl (PCB 182) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB 183) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,4',5-Hexachlorobiphenyl (PCB 137) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,4',6,6'-Heptachlorobiphenyl (PCB 184) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,5,5',6-Heptachlorobiphenyl (PCB 185) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4',5,5',6-Heptachlorobiphenyl (PCB 187) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,5,5'-Hexachlorobiphenyl (PCB 141) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4',5,5'-Hexachlorobiphenyl (PCB 146) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,5,6,6'-Heptachlorobiphenyl (PCB 186) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4',5,6,6'-Heptachlorobiphenyl (PCB 188) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,5,6-Hexachlorobiphenyl (PCB 142) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,5',6-Hexachlorobiphenyl (PCB 144) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4',5,6'-Hexachlorobiphenyl (PCB 148) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,6,6'-Hexachlorobiphenyl (PCB 145) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4',6,6'-Hexachlorobiphenyl (PCB 150) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4,6'-Pentachlorobiphenyl (PCB 89) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4-Tetrachlorobiphenyl (PCB 41) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,4'-Tetrachlorobiphenyl (PCB 42) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,5,5'-Pentachlorobiphenyl (PCB 92) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,5,6,6'-Hexachlorobiphenyl (PCB 152) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,5,6'-Pentachlorobiphenyl (PCB 94) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,5',6-Pentachlorobiphenyl (PCB 95) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,5-Tetrachlorobiphenyl (PCB 43) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,6,6'-Pentachlorobiphenyl (PCB 96) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3,6-Tetrachlorobiphenyl (PCB 45) | mg/Kg | | | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-9 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | NW-9 | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 2 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft |
| | | | Sample Date | 9/4/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | |
| 2,2',3,6'-Tetrachlorobiphenyl (PCB 46) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',3-Trichlorobiphenyl (PCB 16) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4,4',5,6'-Hexachlorobiphenyl (PCB 154) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4,4',5-Pentachlorobiphenyl (PCB 99) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4,4',6,6'-Hexachlorobiphenyl (PCB 155) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4,5',6-Pentachlorobiphenyl (PCB 103) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4,5-Tetrachlorobiphenyl (PCB 48) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4,6,6'-Pentachlorobiphenyl (PCB 104) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4,6'-Tetrachlorobiphenyl (PCB 51) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',4-Trichlorobiphenyl (PCB 17) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',5,5'-Tetrachlorobiphenyl (PCB 52) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',6,6'-Tetrachlorobiphenyl (PCB 54) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2',6-Trichlorobiphenyl (PCB 19) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,2'-Dichlorobiphenyl (PCB 4) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,5',6-Octachlorobiphenyl (PCB 205) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,5'-Heptachlorobiphenyl (PCB 189) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5,6-Heptachlorobiphenyl (PCB 190) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,4',5',6-Heptachlorobiphenyl (PCB 191) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,4',6-Hexachlorobiphenyl (PCB 158) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,4'-Pentachlorobiphenyl (PCB 105) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,5,5',6-Heptachlorobiphenyl (PCB 192) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,5,5'-Hexachlorobiphenyl (PCB 159) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4',5,5'-Hexachlorobiphenyl (PCB 162) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,5,6-Hexachlorobiphenyl (PCB 160) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,5',6-Hexachlorobiphenyl (PCB 161) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4',5',6-Hexachlorobiphenyl (PCB 164) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,5-Pentachlorobiphenyl (PCB 106) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4',5'-Pentachlorobiphenyl (PCB 122) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4,6-Pentachlorobiphenyl (PCB 109) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4-Tetrachlorobiphenyl (PCB 55) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',4'-Tetrachlorobiphenyl (PCB 56) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',5,5',6-Hexachlorobiphenyl (PCB 165) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',5,5'-Pentachlorobiphenyl (PCB 111) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',5,6-Pentachlorobiphenyl (PCB 112) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',5-Tetrachlorobiphenyl (PCB 57) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,3',5'-Tetrachlorobiphenyl (PCB 58) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,4',5,5'-Hexachlorobiphenyl (PCB 167) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,4,4',5-Pentachlorobiphenyl (PCB 114) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,4',5-Pentachlorobiphenyl (PCB 118) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,4',5'-Pentachlorobiphenyl (PCB 123) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,4,4',6-Pentachlorobiphenyl (PCB 115) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,4,4'-Tetrachlorobiphenyl (PCB 60) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,4'-Tetrachlorobiphenyl (PCB 66) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,5,5'-Pentachlorobiphenyl (PCB 120) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,5',6-Pentachlorobiphenyl (PCB 121) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,4',5-Tetrachlorobiphenyl (PCB 63) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,5-Tetrachlorobiphenyl (PCB 67) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4,5'-Tetrachlorobiphenyl (PCB 68) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,4',6-Tetrachlorobiphenyl (PCB 64) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,4'-Trichlorobiphenyl (PCB 22) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',4-Trichlorobiphenyl (PCB 25) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',5,5'-Tetrachlorobiphenyl (PCB 72) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',5',6-Tetrachlorobiphenyl (PCB 73) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,5-Trichlorobiphenyl (PCB 23) | mg/Kg | | | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-9 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | NW-9 | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 2 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft |
| | | | Sample Date | 9/4/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | |
| 2,3',5'-Trichlorobiphenyl (PCB 34) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3,6-Trichlorobiphenyl (PCB 24) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3',6-Trichlorobiphenyl (PCB 27) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3-Dichlorobiphenyl (PCB 5) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,3'-Dichlorobiphenyl (PCB 6) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,4',5-Trichlorobiphenyl (PCB 31) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,4',6-Trichlorobiphenyl (PCB 32) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,4-Dichlorobiphenyl (PCB 7) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,4'-Dichlorobiphenyl (PCB 8) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,5-Dichlorobiphenyl (PCB 9) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2,6-Dichlorobiphenyl (PCB 10) | mg/Kg | | | -- | -- | -- | -- | -- |
| 2-Chlorobiphenyl (PCB 1) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',4,4',5,5'-Hexachlorobiphenyl (PCB 169) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',4,4',5-Pentachlorobiphenyl (PCB 126) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',4,4'-Tetrachlorobiphenyl (PCB 77) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',4,5,5'-Pentachlorobiphenyl (PCB 127) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',4,5-Tetrachlorobiphenyl (PCB 78) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',4,5'-Tetrachlorobiphenyl (PCB 79) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',4-Trichlorobiphenyl (PCB 35) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',5,5'-Tetrachlorobiphenyl (PCB 80) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3',5-Trichlorobiphenyl (PCB 36) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,3'-Dichlorobiphenyl (PCB 11) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,4,4',5-Tetrachlorobiphenyl (PCB 81) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,4,4'-Trichlorobiphenyl (PCB 37) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,4,5-Trichlorobiphenyl (PCB 38) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,4',5-Trichlorobiphenyl (PCB 39) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3,5-Dichlorobiphenyl (PCB 14) | mg/Kg | | | -- | -- | -- | -- | -- |
| 3-Chlorobiphenyl (PCB 2) | mg/Kg | | | -- | -- | -- | -- | -- |
| 4,4'-Dichlorobiphenyl (PCB 15) | mg/Kg | | | -- | -- | -- | -- | -- |
| 4-Chlorobiphenyl (PCB 3) | mg/Kg | | | -- | -- | -- | -- | -- |
| Aroclor 1016 | mg/Kg | 23.6 | | -- | 0.0093 U | 0.0092 U | 0.0093 UJ | 0.0093 U |
| Aroclor 1221 | mg/Kg | 0.83 | | -- | 0.0093 U | 0.0092 U | 0.0093 UJ | 0.0093 U |
| Aroclor 1232 | mg/Kg | 0.83 | | -- | 0.0093 U | 0.0092 U | 0.0093 UJ | 0.0093 U |
| Aroclor 1242 | mg/Kg | 0.83 | | -- | 0.0093 U | 0.0092 U | 0.0093 UJ | 0.0093 U |
| Aroclor 1248 | mg/Kg | 0.83 | | -- | 0.0093 U | 0.0092 U | 0.0093 U | 0.0093 U |
| Aroclor 1254 | mg/Kg | **0.83** | | -- | 0.0059 U | 0.0058 U | 0.0058 U | 0.0059 U |
| Aroclor 1260 | mg/Kg | 0.83 | | -- | 0.0059 U | 0.0058 U | 0.0058 U | 0.0059 U |
| Decachlorobiphenyl (PCB 209) | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 107/124 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 108/124 | mg/kg | | | -- | -- | -- | -- | -- |
| PCB 110/115 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 12/13 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 128/166 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 129/138/163 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 134/143 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 135/151 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 139/140 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 147/149 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 153/168 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 156/157 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 171/173 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 18/30 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 180/193 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 198/199 | mg/Kg | | | -- | -- | -- | -- | -- |

**Table 6-10. Soil Summary - PCBs**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-9 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | NW-9 | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 2 | 0 | 0 | 0 | 0 |
| | | | End Depth | 2 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft |
| | | | Sample Date | 9/4/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | |
| PCB 20/28 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 21/33 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 26/29 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 40/41/71 | mg/kg | | | -- | -- | -- | -- | -- |
| PCB 40/71 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 43/73 | mg/kg | | | -- | -- | -- | -- | -- |
| PCB 44/47/65 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 45/51 | mg/kg | | | -- | -- | -- | -- | -- |
| PCB 49/69 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 50/53 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 59/62/75 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 61/70/74/76 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 83/99 | mg/kg | | | -- | -- | -- | -- | -- |
| PCB 85/116 | mg/kg | | | -- | -- | -- | -- | -- |
| PCB 85/116/117 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 86/87/97/109/119/125 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 88/91 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 90/101/113 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 93/100 | mg/Kg | | | -- | -- | -- | -- | -- |
| PCB 98/102 | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Dichlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Heptachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Hexachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Monochlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Nonachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Octachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Pentachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Tetrachlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total Trichlorobiphenyl | mg/Kg | | | -- | -- | -- | -- | -- |
| Total PCBs (Lab calculated) | mg/Kg | **0.83** | | -- | 0.0059 U | 0.0058 U | 0.0058 U | 0.0059 U |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | mg/Kg | **0.0027** | | -- | -- | -- | -- | -- |
| Total TEQ - Sum of Dioxin/Furan and PCB Congener | pg/g | **1000** | | -- | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | mg/Kg | **0.001** | | 0.00146 J | -- | -- | -- | -- |
| Total TEQ-Dioxin/Furan only | pg/g | **2700** | | 1460 J | -- | -- | -- | -- |
| Total TEQ-PCB Congener Only | mg/Kg | | | -- | -- | -- | -- | -- |
| Total TEQ-PCB Congener Only | pg/g | | | -- | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL
orange shading = analyte concentration exceeds
LBCL DAF20 comparison level

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | Area9 | Area9 | Area9 | Area9 | Area9 | Boneyard | Boneyard | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches | DrainageDitches |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | A9-B-1 | A9-B-1 | A9-B-1 | A9-B-2 | A9-B-2 | BY-SS-3 | BY-SS-3 | DD-B-1 | DD-B-11 | DD-B-12 | DD-B-4 | DD-B-8 |
| | | | Sample Name | A9-B-1 0-0.5 | A9-B-1 0-0.5 DUP | A9-B-1 5.0-6.5 | A9-B-2 0-0.5 | A9-B-2 5-6.5 | BY-SS-3_SS | BY-SS-3_SS DUP | DD-B-1_SS | DD-B-11 5-10 | DD-B-12 5-10 | DD-B-4_SS | DD-B-8_SS |
| | | | Start Depth | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 |
| | | | End Depth | 0.5 | 0.5 | 6.5 | 0.5 | 6.5 | 0.5 | 0.5 | 0.5 | 10 | 10 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 3/18/2014 | 11/20/2013 | 11/20/2013 | 11/14/2013 | 3/19/2014 | 3/19/2014 | 12/2/2013 | 12/4/2013 |
| | | | Parent Sample | | A9-B-1 0-0.5_03/18/14 | | | | | BY-SS-3_SS_11/20/13 | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 0.0014 | 0.0014 | 1.5E-06 J | 0.001 | 5.7E-06 J | 0.00061 | 0.00075 | 0.00035 | 0.00014 | 9.4E-06 J | 0.037 | 0.0014 |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | 4.9E-05 J+ | 0.00013 J | 1.3E-06 J | 2.7E-05 J+ | 1.6E-05 J+ | 4.5E-05 J | 8.8E-05 J | 1.5E-05 J | 7.7E-06 J | 1.4E-06 J | 0.00066 | 7.7E-05 |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 9.7E-05 | 9E-05 | 1.3E-06 J | 7.7E-05 | 1.9E-06 J | 0.0002 | 0.00026 | 0.00013 | 1.6E-05 | 4E-06 J | 0.0011 | 0.0002 |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 9.4E-06 | 1.4E-05 | 3.7E-07 J | 6.3E-06 J+ | 1.7E-06 J | 2.4E-05 | 3.2E-05 | 1.2E-05 | 1.6E-06 J | 2.5E-07 J | 0.00011 | 2.2E-05 |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 3.6E-05 | 3.4E-05 | 4.8E-08 U | 2.4E-05 | 2E-07 J | 6.5E-05 | 8.1E-05 | 5E-05 | 5.8E-06 | 4.5E-07 J | 0.00039 | 6.6E-05 |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 3.6E-05 | 3.3E-05 | 5.3E-07 J | 2.9E-05 | 4E-07 J | 0.00011 | 0.00012 | 5.3E-05 | 7.4E-06 | 1.9E-06 J | 0.00056 | 9.2E-05 |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 5.9E-07 J | 1.4E-06 J | 2E-08 U | 7.1E-07 J | 2.8E-08 U | 3.4E-06 J | 3.5E-06 J | 1.8E-06 J | 8.9E-08 J | 2.4E-08 U | 1E-05 J | 2.1E-06 J |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 1.7E-05 | 1.5E-05 | 1.7E-07 J | 1.4E-05 | 2E-07 J | 5.5E-05 | 6.3E-05 | 3.3E-05 | 3.6E-06 J | 6.1E-07 J | 0.00018 | 5.1E-05 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 1.9E-06 J | 1.8E-06 J | 2.7E-07 J | 1.5E-06 J | 3.1E-07 J | 5.6E-06 J | 6.8E-06 J | 3.6E-06 J | 4.2E-07 J | 1.6E-07 J | 1.9E-05 | 4.8E-06 J |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 2E-06 J | 2.4E-06 J | 3.1E-08 U | 1.6E-06 J | 8.5E-08 J | 6.9E-06 J | 5.8E-06 J | 4.2E-06 J | 4.5E-07 J | 2.7E-07 J | 2.6E-05 | 6.1E-06 J |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 1.9E-06 J | 2.1E-06 J | 3.3E-07 J | 1.5E-06 J | 4E-07 J | 6.8E-06 J | 7.5E-06 J | 2.7E-06 J | 5.7E-07 J | 1.9E-07 J | 2E-05 | 4.3E-06 J |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 1.6E-05 | 1.3E-05 | 2.7E-08 U | 1.2E-05 | 2.1E-08 U | 4.1E-05 | 4.5E-05 | 2.4E-05 | 2.9E-06 J | 1.9E-07 J | 0.00018 | 3.6E-05 |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 1E-06 J | 1.1E-06 J | 2.9E-08 U | 6.9E-07 J | 2.9E-08 U | 3.7E-06 J | 3.9E-06 J | 2E-06 J | 1.9E-07 J | 3.6E-08 U | 1.2E-05 | 2.5E-06 J |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 5.6E-06 | 4.6E-06 J | 2.9E-08 U | 4.4E-06 J | 5.6E-08 J | 1.7E-05 | 2.3E-05 | 7.9E-06 J | 1.1E-06 J | 2E-07 J | 7.8E-05 | 1.2E-05 |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 8.7E-06 | 7.5E-06 | 3.5E-08 J | 7.4E-06 | 3.5E-08 J | 2.4E-05 | 2.7E-05 | 1.4E-05 | 1.5E-06 J | 2.4E-07 J | 0.0001 | 2.1E-05 |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 1.1E-05 | 9E-06 | 1.2E-07 J | 8.9E-06 | 3.8E-08 J | 3E-05 | 3.2E-05 | 1.1E-05 | 1.5E-06 | 4.5E-07 J | 0.00021 | 2.3E-05 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 3.7E-07 J | 3.4E-07 J | 5.3E-08 U | 3.6E-07 J | 2.1E-08 U | 1.1E-06 J | 1.2E-06 J | 6.2E-07 J | 1.2E-07 J | 2.4E-08 U | 5.1E-06 | 9.8E-07 J |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | DrainageDitches | FrancyMtn | FrancyMtn | FrancyMtn | HP1 | HP1 | HP1 | J2Landfill | NortheastProperty | NortheastProperty | NortheastProperty | NortheastProperty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | DD-B-9 | FM-SS-2 | FM-SS-2 | FM-SS-3 | HP1-1 | HP1-1 | HP1-4 | J2-SS-2 | NE-B-3 | NE-B-6 | NE-B-6 | NE-B-7 |
| | | | Sample Name | DD-B-9_SS | FM-SS-2_SS | FM-SS-2_SS DUP | FM-SS-3_SS | DUP | HP1-1-1 | HP1-4-1 | J2-SS-2_SS | NE-B-3_SS | NE-B-6 0-0.5 | NE-B-6 5.0-6.5 | NE-B-7 0-0.5 |
| | | | Start Depth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| | | | End Depth | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 1 | 1 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 12/3/2013 | 11/20/2013 | 11/20/2013 | 11/20/2013 | 7/10/2013 | 7/10/2013 | 7/10/2013 | 11/21/2013 | 11/22/2013 | 3/20/2014 | 3/20/2014 | 3/20/2014 |
| | | | Parent Sample | | | FM-SS-2_SS_11/20/13 | | HP1-1-1_07/10/13 | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 0.0066 | 0.0046 J | 0.014 J- | 0.1 | 0.00135 | 0.00157 | 0.00467 J- | 0.0014 | 8.1E-05 | 0.00067 | 8E-06 J | 0.0025 |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | 0.00016 | 3.5E-05 J | 0.00013 J- | 0.00045 | 4.3E-05 J+ | 5.03E-05 J+ | 0.000142 | 9.5E-05 | 1E-05 J | 7.3E-05 J+ | 5.4E-05 J+ | 0.00023 |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 0.00016 | 8.1E-05 J | 0.00027 J- | 0.00098 | 0.000338 | 0.000405 J+ | 0.0015 | 0.00011 | 1.5E-05 J+ | 0.00014 | 1.2E-06 J | 0.00027 |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 1.9E-05 | 3.8E-06 J | 1.8E-05 J- | 4.3E-05 | 3.16E-05 | 3.71E-05 | 0.000134 | 1.4E-05 | 1.9E-06 J | 8.9E-06 | 2.3E-06 J | 3.8E-05 |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 4E-05 | 4.2E-05 J | 0.00015 J- | 0.00048 | 0.000127 | 0.000169 | 0.000601 | 3.1E-05 | 3.2E-06 J | 3.9E-05 | 5.5E-08 U | 8.4E-05 |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 5E-05 | 7.2E-05 J | 0.00025 J- | 0.0007 | 0.000173 | 0.000219 | 0.000785 | 3.9E-05 | 6.1E-06 J | 0.0001 | 1.5E-07 J | 0.00011 |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 9.5E-07 J | 3.8E-07 J | 1.6E-06 J | 3.6E-06 J | 4.47E-06 | 6.39E-06 | 1.99E-05 | 7.5E-07 J | 5.1E-08 U | 2.7E-07 J | 2.7E-08 U | 3E-06 J |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 2.1E-05 | 1.4E-05 J | 5.6E-05 J- | 0.00012 | 8.11E-05 | 0.00011 J- | 0.000409 J | 1.8E-05 | 3E-06 J | 2.9E-05 | 2.2E-08 U | 5.1E-05 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 2.3E-06 J | 7.5E-07 J | 3.6E-06 J | 7E-06 J | 9.67E-06 | 1.26E-05 | 4.57E-05 | 2.7E-06 J | 4.8E-07 J | 6.8E-07 J | 1.1E-07 J | 7E-06 |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 2.7E-06 J | 2.2E-06 J | 7.5E-06 J | 2.3E-05 | 7.95E-06 J | 1.72E-05 J | 4.82E-05 | 1.8E-06 J | 3.9E-07 J | 3.6E-06 J | 2.7E-08 U | 6.5E-06 |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 2.6E-06 J | 5.7E-07 J | 3.9E-06 J | 6.6E-06 J | 9.26E-06 | 1.2E-05 | 4.44E-05 | 3.3E-06 J | 7E-07 J | 1.1E-06 J | 2E-08 U | 6.9E-06 |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 1.6E-05 | 1.5E-05 J | 5.8E-05 J- | 0.00014 | 6.91E-05 | 0.000101 | 0.000361 | 1.5E-05 | 2.9E-06 J | 3.1E-05 | 1.9E-08 U | 4.4E-05 |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 1.2E-06 J | 4.7E-07 J | 2.6E-06 J | 4.2E-06 J | 5.93E-06 | 8.81E-06 | 2.87E-05 | 1.1E-06 J | 2E-07 J | 5.3E-07 J | 2.6E-08 U | 3.1E-06 J |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 8.3E-06 J | 6.6E-06 J | 2E-05 J- | 5.6E-05 | 4.73E-05 | 3.35E-05 | 0.000232 | 6.7E-06 J | 1.2E-06 J | 1E-05 | 2.5E-08 U | 1.8E-05 |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 9.7E-06 J | 6.9E-06 J | 2.7E-05 J- | 6.1E-05 | 4.01E-05 | 5.87E-05 | 0.000204 | 9.6E-06 J | 1.5E-06 J | 2E-05 | 1.9E-08 U | 2.4E-05 |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 1.8E-05 | 1.7E-05 J | 7.5E-05 J- | 0.00013 | 2.87E-05 J | 6.2E-05 J | 0.000135 | 2.7E-05 | 4.3E-06 | 1.5E-05 | 7.1E-08 J | 3.4E-05 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 6.9E-07 J | 3.4E-07 J | 1.1E-06 J | 1.7E-06 J | 1.98E-06 | 2.97E-06 | 8.11E-06 | 5.4E-07 J | 1E-07 J | 2.9E-07 J | 2.1E-08 U | 1.3E-06 |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | -- | -- | -- | -- | 0.000711 J | 0.00085 J | 0.00319 J | -- | -- | -- | -- | -- |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | -- | -- | -- | -- | 5E-05 J | 3.71E-05 J | 0.000212 J | -- | -- | -- | -- | -- |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | -- | -- | -- | -- | 0.000745 J | 0.000577 J | 0.00352 J | -- | -- | -- | -- | -- |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | -- | -- | -- | -- | 5.63E-05 J | 8.59E-05 J | 0.000362 J | -- | -- | -- | -- | -- |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | -- | -- | -- | -- | 0.000726 J | 0.000861 J | 0.0033 J | -- | -- | -- | -- | -- |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | -- | -- | -- | -- | 4.95E-05 J | 7.23E-05 J | 0.00025 J | -- | -- | -- | -- | -- |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | -- | -- | -- | -- | 0.000615 J | 0.000855 J | 0.00297 J | -- | -- | -- | -- | -- |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | -- | -- | -- | -- | 7.87E-05 J | 5.71E-05 J | 0.000371 J | -- | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | NortheastProperty | NorthStorageArea | NorthStorageArea | PondAreas | PondAreas | PondAreas | ProcessArea | ProcessArea | ProposedPondMgmt | ProposedPondMgmt | ProposedPondMgmt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NE-B-7 | NS-SS-1 | NS-SS-5 | P-B-10 | P-B-12 | P-B-3 | PA-SS-1 | PA-SS-7 | PP-B-3 | PP-B-3 | PP-B-4 |
| | | | Sample Name | NE-B-7 5.0-6.5 | NS-SS-1_SS | NS-SS-5_SS | P-B-10_SS | P-B-12_SHALLOW | P-B-3_SS | PA-SS-1_SS | PA-SS-7_SS | PP-B-3 0-0.5 | PP-B-3 5.0-6.5 | PP-B-4 0-0.5 |
| | | | Start Depth | 5 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 5 | 0 |
| | | | End Depth | 6.5 | 0.5 | 0.5 | 0.5 | 23 | 0.5 | 0.5 | 0.5 | 0.5 | 6.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/20/2014 | 11/20/2013 | 11/20/2013 | 12/11/2013 | 12/5/2013 | 11/18/2013 | 12/13/2013 | 12/13/2013 | 3/18/2014 | 3/19/2014 | 3/19/2014 |
| | | | Parent Sample | | | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 9.8E-06 J | 0.13 | 0.00035 | 0.025 | 0.089 | 0.002 | 0.015 J | 0.00029 J- | 0.00011 | 4.6E-06 J | 0.0003 |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | 8.3E-07 J | 0.0045 | 1.6E-05 J | 0.00038 | 0.00081 | 7.7E-05 | 0.00057 | 2.7E-05 J | 1.9E-05 J+ | 3.5E-06 J | 2.2E-05 J+ |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 1.3E-06 J | 0.043 | 7.2E-05 | 0.0033 | 0.0072 | 0.00062 | 0.0043 | 7.3E-05 J | 9.5E-06 | 3.6E-06 J | 6E-05 |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 2.2E-07 J | 0.0039 | 6.1E-06 J | 0.00025 | 0.00051 | 6.3E-05 | 0.00036 | 8.1E-06 J | 2.1E-06 J | 5.3E-07 J | 7.5E-06 J+ |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 3.2E-07 J | 0.016 | 2.4E-05 | 0.0012 J+ | 0.0029 | 0.00021 | 0.0016 | 1.8E-05 J | 2.3E-06 J | 4.6E-07 J | 2.1E-05 |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 3E-07 J | 0.023 | 2.6E-05 | 0.0013 | 0.0028 | 0.00035 | 0.0018 | 2.3E-05 J | 3E-06 J | 1.1E-06 J | 2.5E-05 |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 3.2E-08 J | 0.00048 | 9.1E-07 J | 3E-05 J | 6.2E-05 | 8.2E-06 J | 5.1E-05 J | 4.8E-06 UJ- | 1.2E-07 J | 1E-07 J | 6.9E-07 J |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 2E-07 J | 0.01 | 1.6E-05 | 0.00072 | 0.0017 | 0.00019 | 0.00087 | 1.3E-05 J | 1.5E-06 J | 2.5E-07 J | 1.4E-05 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 7.8E-08 J | 0.0012 | 1.9E-06 J | 7.3E-05 | 0.00014 | 1.6E-05 | 8.8E-05 J | 3.9E-06 UJ- | 1.8E-07 J | 1.5E-07 J | 1.6E-06 J |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 3.8E-08 U | 0.0012 | 2E-06 J | 0.0001 J+ | 0.00024 | 1.8E-05 | 0.00013 J+ | 6.8E-06 UJ- | 1.7E-07 J | 1.9E-07 J | 1.6E-06 J |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 1.1E-07 J | **0.0011 B** | 2E-06 J | 5.7E-05 | 0.00013 | 1.8E-05 | 6.5E-05 J | 3.7E-06 UJ- | 2.2E-07 J | 2.2E-07 J | 1.4E-06 J |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 2.6E-07 J | 0.0094 | 1.2E-05 | 0.00048 | 0.0012 | 0.00015 | 0.0007 | 7.8E-06 UJ- | 1.2E-06 J | 1.3E-07 J | 1E-05 |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 3.1E-08 U | 0.00076 | 6.6E-07 J | 4.3E-05 J | 9.1E-05 | 1.2E-05 | 5.6E-05 J | 1.1E-05 UJ- | 4.1E-08 U | 6.9E-08 J | 9.4E-07 J |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 3.6E-08 U | 0.0042 | 5.9E-06 J | 0.00017 | 0.00055 | 7.2E-05 | 0.00016 | 6.1E-06 UJ- | 3.7E-07 J | 2.2E-07 J | 4.9E-06 J |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 3.3E-08 U | 0.0049 | 6.7E-06 J | 0.00026 | 0.00067 | 7.8E-05 | 0.00036 | 8.3E-06 UJ- | 8.2E-07 J | 2.7E-08 U | 5.8E-06 |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 2.5E-07 J | 0.0045 J+ | 8.8E-06 | 0.00028 | 0.00072 J | 9.6E-05 | 0.00051 | 1.2E-05 J- | 8.3E-07 J | 1.4E-07 J | 6.3E-06 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 2.5E-08 U | 0.00025 | 3.4E-07 J | 1E-05 J | 3.1E-05 | 3.4E-06 | 1.7E-05 J | 8.3E-06 UJ- | 4.4E-08 U | 2.3E-08 U | 3.4E-07 J |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | ProposedPondMgmt | S17 | S17 | SW1 | SW1 | SW1 | SW1 | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | PP-B-4 | S17-SS-1 | S17-SS-2 | SW-B-1Comp | SW-B-1Comp | SW-B-2Comp | SW-B-3Comp | BD-10 | BD-10 | BD-11 | BD-11 | BD-12 | BD-13 | BD-14 |
| | | | Sample Name | PP-B-4 5.0-6.5 | S17-SS-1_SS | S17-SS-2_SS | SW-1 1E | SW-1 Dup. | SW-1 2E | SW-1 3E | | | | | | BD-13 | |
| | | | Start Depth | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0.5 | 0 | 7 | 0 |
| | | | End Depth | 6.5 | 0.5 | 0.5 | 5 | 5 | 5 | 5 | 0.5 | 5 | 0.5 | 1.5 | 0.5 | 7 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 3/19/2014 | 11/21/2013 | 11/21/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 8/15/2013 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 9/23/2013 | 5/6/2011 |
| | | | Parent Sample | | | | | SW-1 1E_08/15/13 | | | | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 2.6E-06 J | 9.2E-05 | 0.0053 | 0.0745 J | 0.0406 J | 0.149 | 0.0692 J | 0.000145 J+ | 4.92E-07 J+ | 4.24E-05 J+ | 1.2E-06 J+ | 2.08E-05 J+ | 0.000134 | 0.000539 J+ |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | 8.2E-06 J | 1.1E-05 J | 0.00011 | 0.000467 J | 0.000278 J | 0.000749 | 0.000504 J- | -- | -- | -- | -- | -- | 5.69E-06 | -- |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 8.9E-07 J | 2.3E-05 | 0.00066 | 0.00114 | 0.000853 | 0.00251 | 0.00134 | 0.000692 J+ | 8.74E-07 J | 0.000187 J+ | 5.11E-06 J+ | 0.000127 J+ | 1.2E-05 | 0.00018 J+ |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 5.9E-07 J | 4.4E-06 J | 6.3E-05 | 3.93E-05 J+ | 2.63E-05 J+ | 2.31E-05 | 3.73E-05 J+ | 7.22E-05 | 1.2E-07 U | 1.67E-05 | 6E-07 J | 1.15E-05 | 1.44E-06 J | 3.87E-05 |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 4.3E-08 U | 4.7E-06 J | 0.00023 | 0.000288 | 0.000222 | 0.00046 | 0.000383 | 0.000316 | 3.75E-07 J | 6.75E-05 | 1.67E-06 J | 5.67E-05 | 3.94E-06 | 5.74E-05 |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 3.3E-07 J | 8E-06 J | 0.0003 | 0.000262 | 0.000223 | 0.000444 J+ | 0.000977 | 0.000477 J+ | 4.27E-07 J | 8.9E-05 J+ | 2.37E-06 J | 8.15E-05 J+ | 5.08E-06 | 6.23E-05 J+ |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 2.4E-08 U | 2.3E-07 J | 8.4E-06 J | 4.54E-06 U | 4.99E-06 U | 2.01E-06 J | 3.96E-06 J | 1.21E-05 | 6.18E-08 U | 2.09E-06 J | 5.27E-08 U | 1.79E-06 J | 1.04E-07 U | 1.6E-06 J |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 9.6E-08 J | 4.6E-06 J | 0.00015 | 6.61E-05 | 7.3E-05 | 0.000116 | 0.000158 | 0.000254 | 2.35E-07 J | 4.99E-05 | 1.3E-06 J | 4.46E-05 | 2.4E-06 J | 3.04E-05 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 9.1E-08 J | 7.6E-07 J | 1.5E-05 | 4.18E-06 J | 6.2E-06 | 3.73E-06 J | 5.84E-06 J+ | 3.15E-05 | 6.04E-08 U | 5.11E-06 | 2.27E-07 J | 5.17E-06 | 3.67E-07 J | 3.71E-06 |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 1E-07 J | 3.8E-07 J | 1.9E-05 | 1.43E-05 | 1.09E-05 | 1.86E-05 | 2.2E-05 | 3.84E-05 | 6.32E-08 U | 5.9E-06 | 1.01E-07 U | 5.38E-06 J | 3.73E-07 J | 5.38E-06 |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 1E-07 J | 1E-06 J | 1.7E-05 B | 7.14E-06 J+ | 7.46E-06 J+ | 4.49E-06 J+ | 6.79E-06 J+ | 2.66E-05 | 5.83E-08 U | 4.5E-06 | 1.18E-07 J | 4.2E-06 | 3.47E-07 J | 3.5E-06 |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 1.9E-08 U | 2.6E-06 J | 0.00012 | 7.87E-05 | 7.57E-05 | 0.00012 J+ | 0.000265 | 0.00074 | 6.68E-07 J | 7.7E-05 | 1.49E-06 J | 0.000114 | 2.06E-06 J | 3.32E-05 |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 2.7E-08 U | 2.7E-07 J | 9.9E-06 J | 4.68E-06 J+ | 4.46E-06 J | 5.3E-06 J+ | 4.85E-06 J+ | 3.82E-05 | 6.74E-08 U | 4.66E-06 | 8.33E-08 U | 6.51E-06 | 1.62E-07 J | 2.9E-06 |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 6.3E-08 J | 5.1E-06 J | 5.5E-05 | 4.61E-05 | 4.94E-05 | 8.14E-05 | 8.65E-05 J+ | 4.84E-05 | 5.74E-08 U | 1.21E-05 | 6.49E-07 J | 1.61E-05 | 1.3E-06 J | 1.22E-05 |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 1.9E-08 U | 2.7E-06 J | 6.8E-05 | 3.35E-05 | 3.88E-05 | 5.32E-05 | 0.000127 | 0.000301 | 2.32E-07 J | 3.41E-05 | 6.42E-07 J | 5.24E-05 | 1.23E-06 J | 1.43E-05 |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 1.2E-07 J | 2.7E-06 | 8.1E-05 | 5.15E-05 | 4.32E-05 | 6.69E-05 J+ | 0.000117 | 0.00132 | 1.08E-06 | 0.000109 | 3E-06 | 0.000229 | 1.39E-06 | 3.98E-05 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 3.9E-08 U | 1.1E-07 J | 3.1E-06 | 9.09E-07 UJ | 2.11E-06 J | 8.45E-07 U | 1.97E-06 | 2.69E-05 | 1.15E-07 U | 2.73E-06 | 9.08E-08 U | 6.95E-06 | 1.6E-07 U | 1.54E-06 |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | -- | -- | -- | 0.00211 J | 0.00157 J | 0.00437 J | 0.00239 J | 0.00147 | 1.59E-06 J | 0.000368 | 8.04E-06 | 0.000265 | 2.39E-05 J | 0.000359 |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | -- | -- | -- | 2.36E-05 J | 1.54E-05 J | 4.04E-05 J | 2.03E-05 J | 0.000109 | 2.16E-07 J | 2.69E-05 | 6E-07 J | 1.72E-05 | 2.26E-06 J | 6.66E-05 |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | -- | -- | -- | 0.000784 J | 0.000766 J | 0.00132 J | 0.00182 J | 0.00172 | 2.35E-07 J | 0.000373 | 6.88E-06 | 0.000306 | 1.81E-05 J | 0.00025 |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | -- | -- | -- | 1.26E-05 J | 4.15E-05 J | 1.92E-05 J | 2.57E-05 J | 0.000131 | 6.04E-08 U | 2.74E-05 | 2.27E-07 J | 2.15E-05 | 1.5E-06 J | 2.53E-05 |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | -- | -- | -- | 0.000577 J | 0.000613 J | 0.000764 J | 0.00103 J | 0.00208 | 1.59E-06 J | 0.000384 | 8.08E-06 | 0.000453 | 1.74E-05 J | 0.000224 |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | -- | -- | -- | 4.98E-06 J | 4.86E-05 J | 1.38E-05 J | 2.15E-05 J | 0.00012 | 6.74E-08 U | 1.9E-05 | 1.31E-07 J | 2.01E-05 | 4.78E-07 J | 1.95E-05 |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | -- | -- | -- | 0.000349 J | 0.000402 J | 0.000515 J | 0.000553 J | 0.00369 | 1.27E-07 J | 0.000358 | 2.66E-06 | 0.000679 | 7.71E-06 J | 0.000212 |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | -- | -- | -- | 7.57E-06 J | 2.18E-05 J | 2.89E-06 J | 1.39E-05 J | 7.73E-05 | 1.15E-07 U | 1.38E-05 | 9.08E-08 U | 2.39E-05 | 1.07E-06 J | 1.79E-05 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-14 | BD-15 | BD-15 | BD-15 | BD-16 | BD-17 | BD-2 | BD-2 | BD-3 | BD-4 | BD-5 | BD-5 | BD-6 | BD-7 |
| | | | Sample Name | | | | | BD-16 | BD-17 | BD-2 | Duplicate Beta Ditch 2 | | BD-4 | | BD-5 | | |
| | | | Start Depth | 0.5 | 0 | 0.5 | 4 | 18 | 18 | 17 | 17 | 4 | 7.5 | 4 | 2.5 | 0 | 0 |
| | | | End Depth | 1.5 | 0.5 | 1.5 | 5 | 18 | 18 | 17 | 17 | 5 | 7.5 | 5 | 2.5 | 0.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/6/2011 | 5/6/2011 | 5/6/2011 | 5/6/2011 | 9/25/2013 | 9/25/2013 | 9/25/2013 | 9/25/2013 | 5/3/2011 | 9/25/2013 | 5/4/2011 | 9/23/2013 | 5/4/2011 | 5/5/2011 |
| | | | Parent Sample | | | | | | | | BD-2_20130925 | | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 7.6E-05 J+ | 0.0155 J | 0.0333 J | 1.49E-06 J+ | 0.085 | 0.0719 | 0.0731 | 0.068 | 1.17E-05 J+ | 0.123 | 4.56E-06 J+ | 0.0233 | 0.000122 J+ | 1.53E-05 J+ |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | -- | -- | -- | -- | 0.00225 | 0.00208 | 0.00255 | 0.00211 | -- | 0.00413 | -- | 0.000811 J+ | -- | -- |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 8.81E-05 J+ | 0.000331 J+ | 0.00985 J | 1.04E-05 | 0.0356 | 0.0313 | 0.0344 | 0.0264 | 0.00012 J | 0.0554 | 4.62E-05 J | 0.00697 | 0.00101 J+ | 0.000127 J+ |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 1.18E-05 | 0.000635 | 0.000983 J | 1E-06 J | 0.00199 | 0.00191 | 0.003 | 0.00189 | 1.07E-05 | 0.00454 | 4.76E-06 | 0.000641 | 8.97E-05 | 1.06E-05 J+ |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 4.75E-05 | 7.14E-05 | 0.00484 J | 5.1E-06 | 0.0149 | 0.0125 | 0.0151 | 0.0113 | 5.31E-05 | 0.0222 | 2.02E-05 | 0.00296 | 0.000498 | 4.69E-05 J+ |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 5.13E-05 J+ | 6.4E-05 J+ | 0.00549 J | 5.37E-06 | 0.0177 | 0.0162 | 0.017 | 0.0141 | 5.67E-05 | 0.0296 | 2.18E-05 | 0.00411 | 0.000493 J+ | 5.53E-05 J+ |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 1.38E-06 J | 2.11E-06 J | 0.000153 J | 1.34E-07 J | 0.000323 | 0.000327 | 0.000335 J+ | 0.000311 | 1.64E-06 J | 0.000646 | 6.97E-07 J | 8.79E-05 | 9.39E-06 | 1.07E-06 J |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 2.89E-05 | 3.7E-05 | 0.00283 J | 3.3E-06 | 0.00958 | 0.00893 | 0.00931 | 0.00722 | 3.19E-05 | 0.0165 | 1.26E-05 | 0.00159 | 0.000297 | 3.41E-05 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 2.68E-06 | 9.52E-06 | 0.000267 J | 2.69E-07 J | 0.000613 | 0.000623 | 0.00076 | 0.000599 | 3.15E-06 | 0.00139 | 1.29E-06 J | 0.000188 | 2.38E-05 | 2.8E-06 |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 4.85E-06 | 4.41E-06 | 0.000673 J | 6.08E-07 J | 0.000852 J+ | 0.000873 | 0.00103 | 0.00102 J+ | 4.93E-06 | 0.00189 J+ | 1.75E-06 J | 0.000239 | 3.88E-05 | 2.67E-06 |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 2.54E-06 | 5.53E-06 | 0.000285 J | 3.37E-07 J | **0.000656** | **0.000638** | **0.000702** | **0.000612** | 2.65E-06 | **0.00134** | 1.19E-06 J | 0.000187 | 2.21E-05 | 2.77E-06 J |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 2.62E-05 | 3.54E-05 | 0.00259 J | 3.55E-06 | 0.00516 | 0.00453 J+ | 0.00631 | 0.00404 | 2.3E-05 | 0.0087 | 9.79E-06 | 0.00134 | 0.000274 | 2.19E-05 |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 2.27E-06 J | 3.01E-06 | 0.000235 | 2.2E-07 J | 0.00044 | 0.000444 | 0.000515 | 0.000428 | 2.04E-06 J | 0.000877 | 8.63E-07 J | 0.000115 | 1.87E-05 | 2.09E-06 J |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 1.59E-05 | 8.03E-06 | 0.0018 J | 1.8E-06 J | 0.00138 J+ | 0.00123 J+ | 0.00131 J+ | 0.000995 J+ | 9.29E-06 | 0.00791 | 3.37E-06 | 0.000936 | 0.000128 | 8.4E-06 J |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 1.24E-05 | 1.22E-05 | 0.00123 J | 1.86E-06 J | 0.00292 | 0.00279 | 0.00345 | 0.00252 | 1.31E-05 | 0.00479 | 5.58E-06 | 0.000781 | 0.000121 | 1.01E-05 |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 1.68E-05 | 4.09E-05 | 0.00127 J | 6.06E-06 | 0.00471 | 0.00373 | 0.00436 | 0.0033 | 9.74E-06 | 0.00749 | 4.35E-06 | 0.000802 | 0.000153 | 9.52E-06 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 8.34E-07 J | 1.53E-06 | 7.59E-05 | 2.32E-07 J | 0.00015 | 0.000132 | 0.000154 | 0.000127 | 5.62E-07 J | 0.00027 | 3.4E-07 J | 3.13E-05 | 7.65E-06 | 5.62E-07 J |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | 0.000202 | 0.00178 | 0.0223 | 2.29E-05 | 0.0474 J | 0.0439 J | 0.0519 J | 0.0436 J | 0.000104 | 0.0839 J | 2.02E-05 | 0.0129 J | 0.00223 | 0.000258 |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 1.86E-05 | 0.000978 | 0.00145 | 1E-06 J | 0.00303 J | 0.00293 J | 0.00345 J | 0.0029 J | 1.66E-05 | 0.00614 J | 7.19E-06 | 0.000995 J | 0.000137 | 1.62E-05 |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | 0.00022 | 0.000392 | 0.0219 | 2E-05 | 0.037 J | 0.0353 J | 0.0467 J | 0.0354 J | 0.000251 | 0.0751 J | 0.0001 | 0.0134 J | 0.00223 | 0.000229 |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 1.77E-05 | 4.14E-05 | 0.00186 | 8.01E-07 J | 0.00459 J | 0.00473 J | 0.00545 J | 0.00437 J | 2.15E-05 | 0.01 J | 8.81E-06 | 0.00144 J | 0.000151 | 1.36E-05 |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | 0.000212 | 0.000251 | 0.0131 | 2.14E-05 | 0.0364 J | 0.0368 J | 0.0419 J | 0.0338 J | 0.000213 | 0.0726 J | 9.74E-05 | 0.0143 J | 0.00217 | 0.00021 |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 1.78E-05 | 1.89E-05 | 0.00212 | 1.33E-06 J | 0.00485 J | 0.00523 J | 0.00614 J | 0.00475 J | 2.31E-05 | 0.0105 J | 8.92E-06 | 0.00145 J | 0.000175 | 1.69E-05 |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | 0.000182 | 0.000272 | 0.0166 | 9.04E-05 | 0.0483 J | 0.0446 J | 0.0487 J | 0.0404 J | 0.000163 | 0.0886 J | 6.51E-05 | 0.0121 J | 0.00177 | 0.000108 |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | 2.1E-05 | 2.37E-05 | 0.00202 | 7.19E-06 | 0.00499 J | 0.00502 J | 0.00562 J | 0.00473 J | 1.7E-05 | 0.0101 J | 7.87E-06 | 0.0015 J | 0.000138 | 1.19E-05 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | BD-7 | BD-8 | BD-8 | BD-8 | BD-8 | BD-9 | NW-10 | NW-11 | NW-12 | NW-12 | NW-14 | NW-14 | NW-14 | NW-18 |
| | | | Sample Name | | | | | | | | | | | | | | |
| | | | Start Depth | 0.5 | 0 | 0 | 0.5 | 0.5 | 0 | 4 | 4 | 0 | 0.5 | 0 | 4 | 4 | 0 |
| | | | End Depth | 1.5 | 0.5 | 0.5 | 1.5 | 1.5 | 0.5 | 5 | 5 | 0.5 | 1.5 | 0.5 | 5 | 5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 5/5/2011 | 4/25/2011 | 4/26/2011 | 4/26/2011 | 4/26/2011 | 4/27/2011 | 4/27/2011 | 4/27/2011 | 5/3/2011 |
| | | | Parent Sample | | BD-8-0.5_51033 | | BD-8-1.5_51034 | | | | | | | | NW-14-5_51263 | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 7.67E-07 J | 4.89E-05 | 0.000139 J+ | 7.51E-05 | 4.87E-05 J+ | 0.000193 J+ | 1.08E-06 J+ | 5.3E-06 J+ | 4.38E-05 J+ | 3.83E-05 J+ | 0.0117 J+ | 5.44E-07 J+ | 8.66E-07 J+ | 0.000385 J+ |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 4.19E-06 J+ | 0.000382 | 0.00117 J+ | 0.000515 | 0.000305 J+ | 0.000295 J+ | 2.54E-06 J | 6.27E-05 J+ | 0.000439 J+ | 0.000544 J+ | 0.00381 J+ | 1.3E-06 J+ | 8.63E-07 J+ | 0.00356 J+ |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 3.72E-07 J+ | 3.69E-05 | 0.00011 J+ | 4.73E-05 | 2.95E-05 J+ | 2.14E-05 J+ | 4.05E-07 J+ | 4.23E-06 J+ | 3.67E-05 J+ | 3.69E-05 J+ | 0.000614 J+ | 2.43E-07 J+ | 2.42E-07 J+ | 0.000399 J+ |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 1.59E-06 J+ | 0.000167 | 0.000527 J+ | 0.000209 | 0.000127 J+ | 8.3E-05 J+ | 9.58E-07 J | 2.65E-05 | 0.000196 | 0.00024 | 0.00179 | 5.54E-07 J | 3.56E-07 J | 0.00167 J+ |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 3.05E-06 J+ | 0.000193 | 0.000593 J+ | 0.000242 | 0.000151 J+ | 8.19E-05 J+ | 1.15E-06 J+ | 2.4E-05 J+ | 0.000187 J+ | 0.000256 J+ | 0.00196 J+ | 6.68E-07 J | 4.89E-07 J+ | 0.00205 J+ |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 1.54E-07 U | 3.91E-06 | 1.25E-05 | 4.22E-06 | 3.27E-06 | 2.08E-06 J | 5.33E-08 U | 4.4E-07 J | 3.7E-06 | 4.31E-06 | 8.06E-05 | 2.44E-07 U | 6.9E-08 U | 5.72E-05 |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 1.78E-06 J | 0.000116 | 0.000355 | 0.000155 | 9.43E-05 | 4.48E-05 | 7.04E-07 J | 1.48E-05 J+ | 0.000112 J+ | 0.000163 J+ | 0.00173 J+ | 4.07E-07 J | 2.98E-07 J+ | 0.00115 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 1.51E-07 U | 1.17E-05 | 3.34E-05 | 1.28E-05 | 7.8E-06 | 4.07E-06 | 5E-08 U | 9.67E-07 J | 9.62E-06 | 1.08E-05 | 0.000154 | 2.29E-07 U | 6.75E-08 U | 0.00011 |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 2.37E-07 U | 9.82E-06 | 4.11E-05 | 1.18E-05 | 7.97E-06 | 4.5E-06 J | 7.76E-08 J | 2.01E-06 J | 1.18E-05 | 1.98E-05 | 0.000267 | 3.63E-07 U | 7.27E-08 U | 0.000145 J |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 1.45E-07 U | 1.04E-05 | 3.03E-05 | 1.22E-05 | 6.95E-06 | 4.04E-06 | 4.96E-08 U | 1.08E-06 J | 8.19E-06 | 9.78E-06 | 0.000167 | 2.27E-07 U | 6.52E-08 U | 0.000114 |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 2.77E-06 | 9.34E-05 | 0.00029 | 0.000111 | 7.62E-05 | 3.7E-05 | 5.68E-07 J | 1.02E-05 | 9.91E-05 | 0.000123 | 0.00139 | 3.37E-07 J | 3.44E-07 J | 0.000975 |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 9.98E-08 U | 7.32E-06 | 2.15E-05 | 8.49E-06 | 5.76E-06 | 2.74E-06 | 6.41E-08 U | 5.92E-07 J | 6.94E-06 | 8.21E-06 | 0.000123 | 2.2E-07 U | 7.78E-08 U | 8.43E-05 |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 4.38E-07 J | 2.72E-05 | 8.26E-05 | 3.41E-05 | 2.69E-05 | 1.53E-05 J | 2.39E-07 J | 7.72E-06 | 2.26E-05 J | 3.87E-05 | 0.000386 | 3.22E-07 U | 1.47E-07 J | 0.000646 |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 8.79E-07 J | 4.03E-05 | 0.000133 | 4.63E-05 | 3.43E-05 | 1.66E-05 | 2.69E-07 J | 5.27E-06 | 3.98E-05 J | 5.17E-05 | 0.000708 | 1.64E-07 U | 9.96E-08 U | 0.000526 |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 3E-06 | 4.25E-05 | 0.000125 | 6.34E-05 | 4.44E-05 | 3.15E-05 | 2.19E-07 U | 2.59E-05 | 5.42E-05 | 5.35E-05 | 0.000592 | 4.39E-07 U | 2.18E-07 J | 0.000504 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 1.21E-07 U | 1.65E-06 | 5.19E-06 J | 1.57E-06 J | 1.93E-06 | 7.82E-07 J | 8.44E-08 U | 5.54E-07 J | 2.89E-06 | 2.27E-06 | 3.91E-05 | 1.06E-07 U | 7.03E-08 U | 2.17E-05 |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | 5.79E-06 J+ | 0.000815 | 0.00255 | 0.00108 | 0.000646 | 0.000478 | 4.53E-06 | 0.000126 | 0.00094 | 0.00116 | 0.00908 | 5.54E-07 J | 6.29E-07 J | 0.00356 |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 1.07E-07 U | 5.66E-05 | 0.00017 | 7.68E-05 | 4.71E-05 | 3.39E-05 | 7.12E-07 J | 6.8E-06 | 5.71E-05 | 5.68E-05 | 0.000955 | 1.33E-07 U | 2.42E-07 J | 0.000627 |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | 1.24E-05 | 0.000915 | 0.00277 | 0.00112 | 0.000706 | 0.000295 | 4.76E-06 | 0.000103 | 0.00062 | 0.00116 | 0.00878 | 1.08E-06 J | 3.03E-07 J | 0.00922 |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 1.51E-07 U | 7.18E-05 | 0.000214 | 8.87E-05 | 5.34E-05 | 2.65E-05 | 5E-08 U | 6.77E-06 | 5.92E-05 | 6.78E-05 | 0.00115 | 2.29E-07 U | 6.75E-08 U | 0.000846 |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | 2.46E-05 | 0.000845 | 0.00244 | 0.00105 | 0.0007 | 0.000311 | 3.98E-06 | 9.95E-05 | 0.000529 | 0.00101 | 0.0058 | 1.62E-06 J | 1.68E-06 J | 0.00873 |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 7.14E-07 J | 8.17E-05 | 0.000229 | 9.02E-05 | 6.66E-05 | 2.45E-05 | 6.41E-08 U | 2.08E-06 J | 6.83E-05 | 8.59E-05 | 0.00131 | 2.2E-07 U | 7.78E-08 U | 0.00101 |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | 1.96E-05 | 0.000378 | 0.0015 | 0.000515 | 0.000466 | 0.000209 | 2.46E-06 | 0.000347 | 0.000266 | 0.000696 | 0.0103 | 1.51E-07 U | 1.32E-06 | 0.00688 |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | 3.14E-06 | 5.5E-05 | 0.000148 | 6.42E-05 | 4.95E-05 | 1.58E-05 | 8.44E-08 U | 2.73E-05 | 6.06E-05 | 6.41E-05 | 0.0012 | 1.06E-07 U | 7.03E-08 U | 0.000742 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-18 | NW-19 | NW-19 | NW-2 | NW-20 | NW-20 | NW-21 | NW-23 | NW-24 | NW-24 | NW-4 | NW-4 | NW-5 | NW-6 |
| | | | Sample Name | | | | NW-2 | | NW-20 | | NW-23 | Duplicate Beta Ditch | NW-24 | | | NW-5 | |
| | | | Start Depth | 0.5 | 0 | 0.5 | 10 | 12 | 10 | 12 | 9 | 2 | 2 | 0 | 0.5 | 7.5 | 0 |
| | | | End Depth | 1.5 | 0.5 | 1.5 | 10 | 13 | 10 | 13 | 9 | 2 | 2 | 0.5 | 1.5 | 7.5 | 0.5 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 5/3/2011 | 5/3/2011 | 5/3/2011 | 9/23/2013 | 6/19/2012 | 9/23/2013 | 6/19/2012 | 9/12/2013 | 8/23/2013 | 8/23/2013 | 5/2/2011 | 5/2/2011 | 9/4/2013 | 4/26/2011 |
| | | | Parent Sample | | | | | | | | | NW-24_08/23/13 | | | | | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 2.14E-06 J | 5.65E-06 J+ | 1.31E-06 J | 0.156 | 7.56E-05 J | 0.208 | 0.00967 J* | 0.00156 | 0.00809 | 0.0121 | 0.00025 J+ | 0.00012 J+ | 0.000704 | 7.61E-05 J+ |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | -- | -- | -- | 0.0052 | -- | 0.00687 | -- | 4.97E-05 | 0.000319 | 0.000364 | -- | -- | 4.93E-05 J+ | -- |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 2.07E-05 J+ | 4.59E-05 J+ | 9.7E-06 J+ | 0.0474 | 0.000803 J | 0.0657 | 0.00394 J | 0.000456 | 0.00186 | 0.00277 | 0.00254 J+ | 0.00126 J+ | 0.000189 | 0.000908 J+ |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 2.06E-06 J+ | 4.29E-06 J+ | 9.94E-07 J+ | 0.0056 | 6.48E-05 | 0.00682 | 0.000401 J+ | 4.27E-05 | 0.000243 | 0.000279 | 0.000255 J+ | 0.000127 J+ | 1.99E-05 | 7.87E-05 J+ |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 8.73E-06 J+ | 2.3E-05 J+ | 4.27E-06 J+ | 0.02 | 0.00027 J | 0.0282 | 0.00125 J | 0.000176 | 0.000971 | 0.00112 | 0.00133 J+ | 0.000721 J+ | 7.34E-05 | 0.000393 |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 1.15E-05 J+ | 2.56E-05 J+ | 4.66E-06 J+ | 0.0276 | 0.000391 J | 0.0379 | 0.00199 J | 0.000234 | 0.0013 | 0.00153 | 0.00132 J+ | 0.000768 J+ | 9.7E-05 | 0.000468 J+ |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 2.6E-07 U | 5.23E-07 J | 1.79E-07 U | 0.000689 | 8.77E-06 | 0.00111 | 5.1E-05 J+ | 6.31E-06 J+ | 3.68E-05 | 4.18E-05 | 3.31E-05 | 2.03E-05 | 2.82E-06 | 8.95E-06 |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 7.12E-06 | 1.5E-05 | 2.81E-06 | 0.0147 | 0.000212 J | 0.0204 | 0.00102 J | 0.000115 J+ | 0.000667 | 0.000742 J+ | 0.00077 | 0.00043 | 4.82E-05 | 0.00028 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 6.9E-07 J | 1.22E-06 J | 2.93E-07 J | 0.00133 | 2.09E-05 | 0.0028 | 0.000134 J+ | 1.27E-05 | 7.17E-05 | 8.09E-05 | 6.83E-05 | 3.83E-05 | 6.04E-06 | 2.4E-05 |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 7.64E-07 J | 1.83E-06 J | 1.37E-06 U | 0.00183 | 2.69E-05 | 0.00234 | 0.000142 J+ | 1.65E-05 | 9.4E-05 | 0.000103 | 0.000111 | 7.35E-05 | 6.12E-06 | 3.17E-05 |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 7.35E-07 J | 1.3E-06 J | 1.69E-07 U | **0.00137** | 1.9E-05 | **0.00246** | 0.000123 J+ | 1.2E-05 J+ | 7.11E-05 | 8.06E-05 | 7.04E-05 | 4.09E-05 | 5.66E-06 | 1.86E-05 |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 6.01E-06 | 1.46E-05 | 2.09E-06 J | 0.0113 | 0.000152 | 0.0153 | 0.000728 J | 0.000103 | 0.000571 J+ | 0.000644 J+ | 0.000565 | 0.000409 | 4.5E-05 | 0.000227 J+ |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 4.36E-07 J | 1.03E-06 J | 1.44E-07 U | 0.000901 | 1.31E-05 | 0.00143 | 7.16E-05 J+ | 8.4E-06 J+ | 4.42E-05 | 4.88E-05 | 4.97E-05 | 3.32E-05 | 3.95E-06 | 1.54E-05 |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 2E-06 J | 9.28E-06 | 1.56E-06 J | 0.00729 | 0.000105 | 0.0103 | 0.000525 | 2.67E-05 | 0.000168 | 0.000199 J+ | 0.00043 | 0.000254 | 2.69E-05 | 6.48E-05 |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 3.12E-06 | 6.65E-06 | 5.6E-07 J | 0.00681 | 9.17E-05 | 0.0088 | 0.000404 J+ | 5.82E-05 | 0.000324 | 0.000365 | 0.000257 | 0.000184 | 2.55E-05 | 9.73E-05 |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 6.04E-06 | 1.01E-05 | 1.22E-06 | 0.00683 | 8.44E-05 | 0.0107 | 0.000961 | 5.61E-05 J+ | 0.000238 | 0.000273 | 0.000217 | 0.000191 | 3.87E-05 | 8.21E-05 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 1.53E-07 U | 1.51E-07 U | 1.98E-07 U | 0.000242 | 3.85E-06 | 0.000379 J+ | 1.93E-05 J+ | 2.82E-06 | 1.2E-05 | 1.35E-05 | 1.41E-05 | 1.15E-05 | 2.06E-06 | 4.47E-06 |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | 2.07E-05 | 0.000104 | 2.13E-05 | 0.0798 J | 0.00153 | 0.109 J | 0.00789 | 0.000927 J | 0.00547 J | 0.00632 J | 0.00254 | 0.00126 | 0.00039 J | 0.00192 |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 3.42E-06 | 6.91E-06 | 9.94E-07 J+ | 0.00707 J | 9.83E-05 | 0.0111 J | 0.000615 | 6.62E-05 J | 0.000384 J | 0.000441 J | 0.000389 | 0.000189 | 2.97E-05 J | 0.000119 |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | 4.86E-05 | 0.000123 | 1.13E-05 | 0.0922 J | 0.00163 | 0.133 J | 0.00835 | 0.000995 J | 0.00582 J | 0.0058 J | 0.00598 | 0.00337 | 0.000406 J | 0.00214 |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 4.22E-06 | 8.23E-06 | 1.69E-07 U | 0.0105 J | 0.00015 | 0.0169 J | 0.000924 | 7.41E-05 J | 0.000559 J | 0.000636 J | 0.000489 | 0.000272 | 3.82E-05 J | 0.000138 |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | 5.17E-05 | 0.000137 | 1.38E-05 | 0.0814 J | 0.00148 | 0.112 J | 0.00674 | 0.001 J | 0.00483 J | 0.00542 J | 0.0051 | 0.0032 | 0.000461 J | 0.00202 |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 3.6E-06 | 9.69E-06 | 1.09E-06 J | 0.0112 J | 0.000147 | 0.0176 J | 0.000869 | 5.9E-05 J | 0.000465 J | 0.000538 J | 0.000558 | 0.000319 | 4.34E-05 J | 0.000168 |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | 3.31E-05 | 0.00012 | 7.38E-06 | 0.106 J | 0.00115 | 0.177 J | 0.00906 | 0.000865 J | 0.00449 J | 0.00501 J | 0.00365 | 0.00246 | 0.00068 J | 0.0012 |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | 1.53E-07 U | 5.93E-06 | 7.07E-07 J | 0.0104 J | 0.000102 | 0.0161 J | 0.000602 | 9.4E-05 J | 0.000496 J | 0.000537 J | 0.000395 | 0.000267 | 9.39E-05 J | 0.00012 |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds**
**comparison level**
blue shading = analyte concentration exceeds
comparison level for Industrial Outdoor Worker BCL

**Table 6-11. Soil Summary - Dioxins**
**Conceptual Site Model**
**TIMET**
**Henderson, Nevada**

| | | | Site Area | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch | BetaDitch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Location | NW-6 | NW-7 | NW-7 | NW-8 | NW-9 | Wheel Wash -02 | Wheel Wash -03 | Wheel Wash -03 | Wheel Wash-01 |
| | | | Sample Name | | | | NW-8 | NW-9 | TMBD-WheelWash-02 | TMBD-WheelWash-03 | TMBD-WheelWash-DUP | TMBD-WheelWash-01 |
| | | | Start Depth | 0.5 | 0 | 0.5 | 5 | 2 | 0 | 0 | 0 | 0 |
| | | | End Depth | 1.5 | 0.5 | 1.5 | 5 | 2 | 0.17 | 0.17 | 0.17 | 0.17 |
| | | | Depth Units | ft | ft | ft | ft | ft | ft | ft | ft | ft |
| | | | Sample Date | 4/26/2011 | 4/26/2011 | 4/26/2011 | 8/23/2013 | 9/4/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 | 10/15/2013 |
| | | | Parent Sample | | | | | | | | TMBD-WHEELWASH-03_10/15/13 | |
| Chemical Name | Units | NDEP Industrial Outdoor Worker BCL | NDEP LBCL DAF20 | | | | | | | | | |
| 1,2,3,4,5,6,7,8-Octachlorodibenzofuran (OCDF) | mg/Kg | | | 5.33E-06 J+ | 6.51E-05 J+ | 1.74E-06 J+ | 0.13 | 0.0325 | 0.0014 | 0.00029 | 0.00034 | 0.002 |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | mg/Kg | | | -- | -- | -- | 0.00229 | 0.0007 J- | 5E-05 | 1.3E-05 | 1.4E-05 | 7.8E-05 |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 1.01E-05 J+ | 0.000572 J+ | 9.44E-06 J+ | 0.0288 | 0.00755 | 0.00044 | 0.00012 | 0.00014 | 0.00088 |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 1.9E-06 J | 5.39E-05 J+ | 1.15E-06 J+ | 0.00337 | 0.000623 | 4.2E-05 | 1.1E-05 | 1.3E-05 | 6.9E-05 |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF) | mg/Kg | | | 4.38E-06 | 0.000267 | 3.99E-06 | 0.011 | 0.00342 | 0.00016 | 4.9E-05 | 5E-05 | 0.00037 J- |
| 1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 5.3E-06 J+ | 0.000298 J+ | 4.6E-06 J+ | 0.0178 | 0.00474 | 0.00025 | 5.8E-05 | 6.4E-05 | 0.0004 J- |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 1.71E-07 U | 7.27E-06 | 1.82E-07 U | 0.00034 | 9.97E-05 | 8.6E-06 | 1.7E-06 J | 2E-06 J | 1.1E-05 |
| 1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 3.26E-06 | 0.000169 J+ | 2.97E-06 J+ | 0.00923 | 0.00169 J+ | 0.00013 | 2.9E-05 | 3.1E-05 | 0.0002 |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 2.88E-07 J | 1.33E-05 | 2.4E-07 J | 0.000636 | 0.000191 | 1.4E-05 | 3.3E-06 J | 3.4E-06 J | 2E-05 J- |
| 1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 5.24E-07 U | 2.06E-05 | 4.84E-07 U | 0.000828 J+ | 0.000275 J- | 1.7E-05 | 4.6E-06 J | 6.1E-06 J | 3.3E-05 |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | **0.000309** | | 1.61E-07 U | 1.39E-05 | 1.72E-07 U | **0.000612** | 0.000188 | 1.4E-05 | 3.4E-06 J | 3.7E-06 J | 2E-05 |
| 1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 2.27E-06 J | 0.000125 | 2.14E-06 J | 0.00795 | 0.00155 | 0.00011 | 2.4E-05 | 2.5E-05 | 0.00016 J- |
| 1,2,3,7,8-Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 2.31E-07 J | 9.13E-06 | 1.29E-07 U | 0.000433 | 0.000131 | 9.6E-06 | 2.2E-06 J | 2.2E-06 J | 1.2E-05 |
| 2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF) | mg/Kg | | | 1.84E-06 J | 9.79E-05 | 4.4E-07 U | 0.00475 | 0.000615 | 3.6E-05 | 7.6E-06 | 1.2E-05 J | 5.6E-05 |
| 2,3,4,7,8-Pentachlorodibenzofuran (PeCDF) | mg/Kg | | | 9.05E-07 J | 6.2E-05 | 9.02E-07 J | 0.004 | 0.00083 | 6.3E-05 | 1.3E-05 | 1.3E-05 | 8.4E-05 J- |
| 2,3,7,8-Tetrachlorodibenzofuran (TCDF) | mg/Kg | | | 2.43E-06 J | 4.32E-05 | 1.68E-06 | 0.00432 | 0.000932 | 5.6E-05 | 1.3E-05 | 1.5E-05 | 8.5E-05 |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | 0.001 | | 7.87E-08 J | 2.86E-06 | 1.06E-07 U | 0.00013 | 3.77E-05 | 2.5E-06 | 6.2E-07 J | 8.1E-07 J | 3.2E-06 |
| Total Heptachlorodibenzofuran (HpCDF) | mg/kg | | | 2.18E-05 | 0.00112 | 1.77E-05 | 0.0416 J | 0.0133 J | -- | -- | -- | -- |
| Total Heptachlorodibenzo-p-dioxin (HpCDD) | mg/Kg | | | 3.46E-06 | 8.8E-05 | 9.43E-07 J | 0.00344 J | 0.000963 J | -- | -- | -- | -- |
| Total Hexachlorodibenzofuran (HxCDF) | mg/kg | | | 1.91E-05 | 0.00141 | 1.58E-05 | 0.0288 J | 0.014 J | -- | -- | -- | -- |
| Total Hexachlorodibenzo-p-dioxin (HxCDD) | mg/Kg | | | 9.38E-07 J | 0.000107 | 8.38E-07 J | 0.0049 J | 0.00137 J | -- | -- | -- | -- |
| Total Pentachlorodibenzofuran (PeCDF) | mg/kg | | | 1.5E-05 | 0.0012 | 1.79E-05 | 0.0373 J | 0.0144 J | -- | -- | -- | -- |
| Total Pentachlororodibenzo-p-dioxin (PeCDD) | mg/Kg | | | 2.31E-07 J | 5.23E-05 | 3.61E-07 J | 0.00519 J | 0.00146 J | -- | -- | -- | -- |
| Total Tetrachlorodibenzofuran (TCDF) | mg/kg | | | 1.27E-05 | 0.000662 | 8.94E-06 | 0.0496 J | 0.0121 J | -- | -- | -- | -- |
| Total Tetrachlorodibenzo-p-dioxin (TCDD) | mg/Kg | | | 9.56E-07 J | 6.42E-05 | 3.99E-07 J | 0.00483 J | 0.0014 J | -- | -- | -- | -- |

**Notes:**
-- = Sample not analyzed for this compound
* LCS or LCSD exceeds the control limits
+/- = suspected high or low bias
D = data reported from secondary dilution
J = estimated concentration
R = data rejected (qualifier may be used in conjunction with other qualifier)
U = analyte not detected above referenced laboratory limit
UJ = analyte not detected above referenced laboratory limit;
reporting limit may be inaccruate or imprecise
**bold = analyte concentration exceeds comparison level**
blue shading = analyte concentration exceeds comparison level for Industrial Outdoor Worker BCL

**Table 6-12**
**Summary of Groundwater Analytical Results**
**CSM Supplemental Investigations**

| | | | | Location | CSMMW-1 | CSMMW-1 | CSMMW-2 | CSMMW-2 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date | 2/27/2014 | 4/10/2014 | 2/27/2014 | 4/10/2014 |
| | | | | Sample Type | N | N | N | N |
| **Chemical Name** | **Analytical Method** | **Cas No.** | **NDEP Residential Groundwater BCL or EPA MCL** | **Units** | | | | |
| **Volatile Organic Compounds** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | SW 8260C | 630-20-6 | 0.52 | ug/L | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U |
| 1,1,1-Trichloroethane (TCA) | SW 8260C | 71-55-6 | 200 | ug/L | < 0.29 U | < 0.29 U | < 0.29 U | < 0.29 U |
| 1,1,2,2-Tetrachloroethane | SW 8260C | 79-34-5 | ***0.07*** | ug/L | ***< 0.43 U*** | ***< 0.43 U*** | ***< 0.43 U*** | ***< 0.43 U*** |
| 1,1,2-Trichloroethane | SW 8260C | 79-00-5 | 5 | ug/L | < 0.57 U | < 0.57 U | < 0.57 U | < 0.57 U |
| 1,1-Dichloroethane | SW 8260C | 75-34-3 | 2.42 | ug/L | < 0.39 U | < 0.39 U | < 0.39 U | < 0.39 U |
| 1,1-Dichloroethene | SW 8260C | 75-35-4 | 7 | ug/L | < 0.37 U | < 0.37 U | < 0.37 U | < 0.37 U |
| 1,1-Dichloropropene | SW 8260C | 563-58-6 | NS | ug/L | < 0.30 U | < 0.30 U | < 0.30 U | < 0.30 U |
| 1,2,3-Trichlorobenzene | SW 8260C | 87-61-6 | NS | ug/L | < 0.65 U | < 0.65 U | < 0.65 U | < 0.65 U |
| 1,2,3-Trichloropropane | SW 8260C | 96-18-4 | ***0.002241*** | ug/L | ***< 0.56 U*** | ***< 0.56 U*** | ***< 0.56 U*** | ***< 0.56 U*** |
| 1,2,4-Trichlorobenzene | SW 8260C | 120-82-1 | 70 | ug/L | < 0.55 U | < 0.55 U | < 0.55 U | < 0.55 U |
| 1,2,4-Trimethylbenzene | SW 8260C | 95-63-6 | 14.6 | ug/L | < 0.40 U | < 0.40 U | < 0.40 U | < 0.40 U |
| 1,2-Dichlorobenzene | SW 8260C | 95-50-1 | 600 | ug/L | < 0.28 U | < 0.28 U | < 0.28 U | < 0.28 U |
| 1,2-Dichloroethane | SW 8260C | 107-06-2 | 5 | ug/L | 1.3 J | 1.2 J | < 0.37 U | < 0.37 U |
| 1,2-Dichloropropane | SW 8260C | 78-87-5 | 5 | ug/L | 0.74 J | 0.76 J | < 0.32 U | < 0.32 U |
| 1,3,5-Trimethylbenzene | SW 8260C | 108-67-8 | 14.5 | ug/L | < 0.28 U | < 0.28 U | < 0.28 U | < 0.28 U |
| 1,3-Dichlorobenzene | SW 8260C | 541-73-1 | 86.7 | ug/L | < 0.23 U | < 0.23 U | < 0.23 U | < 0.23 U |
| 1,3-Dichloropropane | SW 8260C | 142-28-9 | 8.25 | ug/L | < 0.24 U | < 0.24 U | < 0.24 U | < 0.24 U |
| 1,4-Dichlorobenzene | SW 8260C | 106-46-7 | 75 | ug/L | < 0.35 U | < 0.35 U | < 0.35 U | < 0.35 U |
| 2,2-Dichloropropane | SW 8260C | 594-20-7 | NS | ug/L | < 0.54 U | < 0.54 U | < 0.54 U | < 0.54 U |
| 2-Chlorotoluene (o-Chlorotoluene) | SW 8260C | 95-49-8 | 91.3 | ug/L | < 0.34 U | < 0.34 U | < 0.34 U | < 0.34 U |
| 2-Hexanone | SW 8260C | 591-78-6 | 62.6 | ug/L | < 0.59 UJ | < 0.59 U | < 0.59 UJ | < 0.59 U |
| 4-Chlorotoluene (p-Chlorotoluene) | SW 8260C | 106-43-4 | NS | ug/L | < 0.31 U | < 0.31 U | < 0.31 U | < 0.31 U |
| 4-Methyl-2-pentanone (MIBK) | SW 8260C | 108-10-1 | 1990 | ug/L | < 0.33 U | < 0.33 U | < 0.33 U | < 0.33 U |
| Acetone | SW 8260C | 67-64-1 | 21800 | ug/L | < 6.7 U | 10 J | < 6.7 U | 9.8 J |
| Acetonitrile | SW 8260C | 75-05-8 | 125 | ug/L | < 7.3 R | < 7.3 R | < 7.3 R | < 7.3 R |
| Benzene | SW 8260C | 71-43-2 | 5 | ug/L | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U |
| Bromobenzene | SW 8260C | 108-86-1 | 87.6 | ug/L | < 0.33 U | < 0.33 U | < 0.33 U | < 0.33 U |
| Bromochloromethane | SW 8260C | 74-97-5 | NS | ug/L | < 0.55 U | < 0.55 U | < 0.55 U | < 0.55 U |
| Bromodichloromethane | SW 8260C | 75-27-4 | ***0.12*** | ug/L | ***< 0.25 U*** | ***< 0.25 U*** | ***< 0.25 U*** | ***< 0.25 U*** |
| Bromoform | SW 8260C | 75-25-2 | 8.51 | ug/L | < 0.37 U | < 0.37 U | < 0.37 U | < 0.37 U |
| Bromomethane | SW 8260C | 74-83-9 | 8.66 | ug/L | < 0.40 U | < 0.40 U | < 0.40 U | < 0.40 U |
| Carbon disulfide | SW 8260C | 75-15-0 | 1040 | ug/L | < 0.37 U | < 0.37 U | < 0.37 U | < 0.37 U |
| Carbon tetrachloride | SW 8260C | 56-23-5 | 5 | ug/L | < 0.36 U | < 0.36 U | 3.5 J | 3.2 J |
| Chlorobenzene | SW 8260C | 108-90-7 | 100 | ug/L | < 0.38 U | < 0.38 U | < 0.38 U | < 0.38 U |
| Chloroethane | SW 8260C | 75-00-3 | 23.2 | ug/L | < 0.38 U | < 0.38 U | < 0.38 U | < 0.38 U |
| Chloroform | SW 8260C | 67-66-3 | **0.19** | ug/L | **10** | **11** | **30** | **27** |
| Chloromethane | SW 8260C | 74-87-3 | 2.7 | ug/L | < 0.55 U | < 0.55 U | < 0.55 U | < 0.55 U |
| cis-1,2-Dichloroethene | SW 8260C | 156-59-2 | 70 | ug/L | < 0.16 U | < 0.16 U | < 0.16 U | < 0.16 U |
| cis-1,3-Dichloropropene | SW 8260C | 10061-01-5 | NS | ug/L | < 0.34 U | < 0.34 U | < 0.34 U | < 0.34 U |
| Dibromochloromethane | SW 8260C | 124-48-1 | ***0.15*** | ug/L | ***< 0.33 U*** | ***< 0.33 U*** | ***< 0.33 U*** | ***< 0.33 U*** |
| Dibromomethane | SW 8260C | 74-95-3 | 8.16 | ug/L | < 0.41 U | < 0.41 U | < 0.41 U | < 0.41 U |
| Dichlorodifluoromethane (Freon 12) | SW 8260C | 75-71-8 | 395 | ug/L | < 0.45 U | < 0.45 U | < 0.45 U | < 0.45 U |
| Ethanol | SW 8260C | 64-17-5 | 209000 | ug/L | < 130 R | < 130 R | < 130 R | < 130 R |
| Ethylbenzene | SW 8260C | 100-41-4 | 700 | ug/L | < 0.30 U | < 0.30 U | < 0.30 U | < 0.30 U |
| Iodomethane | SW 8260C | 74-88-4 | 355 | ug/L | < 1.5 U | < 1.5 U | < 1.5 U | < 1.5 U |
| Isopropyl benzene | SW 8260C | 98-82-8 | 679 | ug/L | < 0.26 U | < 0.26 U | < 0.26 U | < 0.26 U |
| m/p-Xylene | SW 8260C | 179601-23-1 | NS | ug/L | < 0.57 U | -- | < 0.57 U | -- |
| Methyl ethyl ketone (2-Butanone) | SW 8260C | 78-93-3 | 7060 | ug/L | < 0.39 U | < 0.39 U | < 0.39 U | < 0.39 U |
| Methyl tert-butyl ether (MTBE) | SW 8260C | 1634-04-4 | 12.5 | ug/L | < 0.40 U | < 0.40 U | < 0.40 U | < 0.40 U |
| Methylene chloride | SW 8260C | 75-09-2 | 5 | ug/L | < 1.7 U | < 1.7 U | < 1.7 U | < 1.7 U |
| Naphthalene | SW 8260C | 91-20-3 | ***0.14*** | ug/L | ***< 0.85 U*** | ***< 0.85 U*** | ***< 0.85 U*** | ***< 0.85 U*** |
| n-Butylbenzene | SW 8260C | 104-51-8 | 254 | ug/L | < 0.23 U | < 0.23 U | < 0.23 U | < 0.23 U |
| n-Propylbenzene | SW 8260C | 103-65-1 | 254 | ug/L | < 0.30 U | < 0.30 U | < 0.30 U | < 0.30 U |
| o-Xylene | SW 8260C | 95-47-6 | 1220 | ug/L | < 0.32 U | -- | < 0.32 U | -- |
| p-Cymene (4-Isopropyltoluene) | SW 8260C | 99-87-6 | 834 | ug/L | < 0.32 U | < 0.32 U | < 0.32 U | < 0.32 U |
| sec-Butylbenzene | SW 8260C | 135-98-8 | 254 | ug/L | < 0.31 U | < 0.31 U | < 0.31 U | < 0.31 U |
| Styrene | SW 8260C | 100-42-5 | 100 | ug/L | < 0.35 U | < 0.35 U | < 0.35 U | < 0.35 U |
| tert-Butylbenzene | SW 8260C | 98-06-6 | 254 | ug/L | < 0.31 U | < 0.31 U | < 0.31 U | < 0.31 U |
| Tetrachloroethene (PCE) | SW 8260C | 127-18-4 | 5 | ug/L | 2.2 J | 2.2 J | 0.98 J | 1.1 J |
| Toluene | SW 8260C | 108-88-3 | 1000 | ug/L | < 1.0 U | < 1.0 U | < 1.0 U | < 1.0 U |
| Total Xylene | SW 8260C | 1330-20-7 | 10000 | ug/L | < 0.85 U | < 0.85 U | < 0.85 U | < 0.85 U |
| trans-1,2-Dichloroethene | SW 8260C | 156-60-5 | 100 | ug/L | < 0.18 U | < 0.18 U | < 0.18 U | < 0.18 U |
| trans-1,3-Dichloropropene | SW 8260C | 10061-02-6 | NS | ug/L | < 0.35 U | < 0.35 U | < 0.35 U | < 0.35 U |
| Trichloroethene (TCE) | SW 8260C | 79-01-6 | 5 | ug/L | < 0.29 U | < 0.29 U | 1.1 J | 1.2 J |
| Trichlorofluoromethane (Freon 11) | SW 8260C | 75-69-4 | 1290 | ug/L | < 0.22 U | < 0.22 U | < 0.22 U | < 0.22 U |
| Vinyl acetate | SW 8260C | 108-05-4 | 412 | ug/L | < 0.61 U | < 0.61 U | < 0.61 U | < 0.61 U |
| Vinyl chloride | SW 8260C | 75-01-4 | 2 | ug/L | < 0.43 U | < 0.43 U | < 0.43 U | < 0.43 U |

**Table 6-12**
**Summary of Groundwater Analytical Results**
**CSM Supplemental Investigations**

| | | | | Location | CSMMW-1 | CSMMW-1 | CSMMW-2 | CSMMW-2 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date | 2/27/2014 | 4/10/2014 | 2/27/2014 | 4/10/2014 |
| | | | | Sample Type | N | N | N | N |
| **Chemical Name** | **Analytical Method** | **Cas No.** | **NDEP Residential Groundwater BCL or EPA MCL** | **Units** | | | | |
| **Metals** | | | | | | | | |
| Aluminum | SW 6010C | 7429-90-5 | **50** | ug/L | **110 J** | **230 J** | **140 J** | ***< 220 U*** |
| Antimony | SW 6010C | 7440-36-0 | ***6*** | ug/L | < 4.0 U | ***< 37 U*** | < 4.0 U | ***< 37 U*** |
| Barium | SW 6010C | 7440-39-3 | 2000 | ug/L | 31 J | 29 J | 37 J | 36 J |
| Beryllium | SW 6010C | 7440-41-7 | 4 | ug/L | < 0.61 U | < 2.8 U | < 0.61 U | < 2.8 U |
| Boron | SW 6010C | 7440-42-8 | 7300 | ug/L | -- | 2600 | -- | 3500 |
| Cadmium | SW 6010C | 7440-43-9 | 5 | ug/L | < 0.91 U | < 3.4 U | < 0.91 U | < 3.4 U |
| Calcium | SW 6010C | 7440-70-2 | NS | ug/L | 650000 | 640000 | 400000 | 420000 |
| Chromium, Total | SW 6010C | 7440-47-3 | NS | ug/L | 28 | 39 J | 19 | < 34 U |
| Hexavalent Chromium (Cr VI) | SM 3500-Cr | 18540-29-9 | 0.1 | mg/L | -- | 0.030 | -- | 0.010 |
| Cobalt | SW 6010C | 7440-48-4 | ***11*** | ug/L | < 4.9 U | ***< 27 U*** | < 4.9 U | ***< 27 U*** |
| Copper | SW 6010C | 7440-50-8 | 1300 | ug/L | < 4.6 U | < 21 U | < 4.6 U | < 21 U |
| Iron | SW 6010C | 7439-89-6 | 300 | ug/L | 69 J | 140 J | 69 J | < 130 U |
| Lead | SW 6010C | 7439-92-1 | 15 | ug/L | 5.4 J | < 6.0 U | 4.3 J | < 6.0 U |
| Lithium | SW 6010C | 7439-93-2 | **73** | ug/L | -- | **480 J** | -- | **200 J** |
| Magnesium | SW 6010C | 7439-95-4 | **207000** | ug/L | **240000** | **230000** | 150000 | 150000 |
| Manganese | SW 6010C | 7439-96-5 | **20** | ug/L | **92** | **46 J** | **44** | **35 J** |
| Molybdenum | SW 6010C | 7439-98-7 | 183 | ug/L | -- | 33 J | -- | 63 J |
| Nickel | SW 6010C | 7440-02-0 | 730 | ug/L | 13 J | < 26 U | < 13 U | < 26 U |
| Potassium | SW 6010C | 7440-09-7 | NS | ug/L | 11000 J+ | 10000 J | 12000 J+ | 12000 J |
| Selenium | SW 6010C | 7782-49-2 | 50 | ug/L | 9.8 J | < 21 U | 4.7 J | < 21 U |
| Silicon | SW 6010C | 7440-21-3 | NS | ug/L | -- | 45000 | -- | 37000 |
| Silver | SW 6010C | 7440-22-4 | 100 | ug/L | < 6.0 U | < 9.9 U | < 6.0 U | < 9.9 U |
| Sodium | SW 6010C | 7440-23-5 | NS | ug/L | 420000 | 410000 | 520000 | 560000 |
| Strontium | SW 6010C | 7440-24-6 | NS | ug/L | -- | 15000 | -- | 11000 |
| Sulfur | SW 6010C | 7704-34-9 | NS | ug/L | -- | 580000 | -- | 650000 |
| Tin | SW 6010C | 7440-31-5 | 21900 | ug/L | -- | < 50 U | -- | < 50 U |
| Titanium | SW 6010C | 7440-32-6 | 146000 | ug/L | -- | 17 J | -- | 17 J |
| Total Phosphorous | SW 6010C | 7723-14-0 | 0.73 | ug/L | -- | < 140 U | -- | < 140 U |
| Vanadium | SW 6010C | 7440-62-2 | 183 | ug/L | 29 J | < 44 U | 53 | 50 J |
| Zinc | SW 6010C | 7440-66-6 | 11000 | ug/L | 20 J+ | < 83 U | 24 J+ | < 83 U |
| Arsenic | SW 6020A | 7440-38-2 | **10** | ug/L | **31** | **75 J** | **88** | **140 J** |
| Thallium | SW 6020A | 7440-28-0 | ***2*** | ug/L | < 0.55 U | ***< 11 U*** | < 0.55 U | ***< 11 U*** |
| Uranium | SW 6020A | 7440-61-1 | **30** | ug/L | **40** | -- | 29 | -- |
| Zirconium | SW 6020A | 7440-67-7 | 2.92 | ug/L | -- | < 5.0 U | -- | < 5.0 U |
| Mercury | SW 7470A | 7439-97-6 | 2 | ug/L | < 0.060 U | < 0.060 U | < 0.060 U | < 0.060 U |
| **Radionuclides** | | | | | | | | |
| Thorium | A-01-R | 7440-29-1 | NS | pci/L | < 0.115 | -- | < 0.127 | -- |
| Thorium-228 | A-01-R | 14274-82-9 | ***0.11*** | pci/L | ***< 0.188*** | -- | ***< 0.226*** | -- |
| Thorium-230 | A-01-R | 14269-63-7 | **0.042** | pci/L | **0.211** | -- | ***< 0.112*** | -- |
| Uranium | A-01-R | 7440-61-1 | NS | pci/L | 12.0 | -- | 8.63 | -- |
| Uranium-234 | A-01-R | 13966-29-5 | NS | pci/L | 18.0 | -- | 13.3 | -- |
| Uranium-235 | A-01-R | 15117-96-1 | NS | pci/L | 0.733 | -- | 0.412 | -- |
| GROSS ALPHA | EPA 900 | 12587-46-1 | **15** | pci/L | **20.0** | ***< 24.3*** | **21.7** | **21.4** |
| GROSS BETA | EPA 900 | 12587-47-2 | 50 | pci/L | < 14.4 | < 13.1 | < 12.5 | < 10.4 |
| Actinium-228 | EPA 901.1 | 14331-83-0 | NS | pci/L | < 40.0 | -- | < 45.6 | -- |
| Bismuth-210M | EPA 901.1 | 378253-41-9 | NS | pci/L | < 13.2 | -- | < 12.9 | -- |
| Bismuth-212 | EPA 901.1 | 14913-49-6 | NS | pci/L | < 143 | -- | < 126 | -- |
| Bismuth-214 | EPA 901.1 | 14733-03-0 | NS | pci/L | < 25.6 | -- | 32.4 | -- |
| Cesium-134 | EPA 901.1 | 13967-70-9 | NS | pci/L | < 8.17 | -- | < 12.4 | -- |
| Cesium-137 | EPA 901.1 | 10045-97-3 | NS | pci/L | < 7.14 | -- | < 12.2 | -- |
| Cobalt-57 | EPA 901.1 | 13981-50-5 | NS | pci/L | < 6.13 | -- | < 6.63 | -- |
| Cobalt-60 | EPA 901.1 | 10198-40-0 | NS | pci/L | < 5.38 | -- | < 11.2 | -- |
| Lead-212 | EPA 901.1 | 15092-94-1 | NS | pci/L | < 18.3 | -- | < 19.5 | -- |
| Lead-214 | EPA 901.1 | 15067-28-4 | NS | pci/L | < 18.1 | -- | 34.1 | -- |
| Potassium-40 | EPA 901.1 | 13966-00-2 | NS | pci/L | < 154 | -- | < 207 | -- |
| Protactinium-231 | EPA 901.1 | 14331-85-2 | NS | pci/L | < 203 | -- | < 220 | -- |
| Protactinium-234m | EPA 901.1 | 15100-28-4 | NS | pci/L | < 34.3 | -- | < 26.5 | -- |
| Radium-224 | EPA 901.1 | 13233-32-4 | NS | pci/L | < 188 | -- | < 171 | -- |
| Thallium-208 | EPA 901.1 | 14913-50-9 | NS | pci/L | < 11.6 | -- | < 14.0 | -- |
| Thorium-227 | EPA 901.1 | 15623-47-9 | NS | pci/L | < 68.6 | -- | < 67.6 | -- |
| Thorium-234 | EPA 901.1 | 15065-10-8 | NS | pci/L | < 207 | -- | < 203 | -- |
| Radium-226 | EPA 903 | 13982-63-3 | 5 | pci/L | 0.153 | -- | 0.424 | -- |
| Radium-228 | EPA 904 | 15262-20-1 | 5 | pci/L | < 0.379 | -- | < 0.336 | -- |

**Table 6-12**
**Summary of Groundwater Analytical Results**
**CSM Supplemental Investigations**

| | | | | Location | CSMMW-1 | CSMMW-1 | CSMMW-2 | CSMMW-2 |
|---|---|---|---|---|---|---|---|---|
| | | | | Sample Date | 2/27/2014 | 4/10/2014 | 2/27/2014 | 4/10/2014 |
| | | | | Sample Type | N | N | N | N |
| **Chemical Name** | **Analytical Method** | **Cas No.** | **NDEP Residential Groundwater BCL or EPA MCL** | **Units** | | | | |
| **Anions and General Chemistry** | | | | | | | | |
| %Difference/Ion balance | CALC | IONBALANCE | 5% | percent | -- | 1.12041102250000 | -- | 0.0974317819000000 |
| Bromide | EPA 300.0 | 24959-67-9 | NS | mg/L | -- | 0.88 | -- | 1.2 |
| Chloride | EPA 300.0 | 16887-00-6 | **250** | mg/L | **1000** | **1000** | **480** | **550** |
| Fluoride | EPA 300.0 | 16984-48-8 | 4 | mg/L | -- | 0.75 J- | -- | 0.36 J- |
| Nitrate as Nitrogen | EPA 300.0 | 14797-55-8 | **10** | mg/L | 6.2 J | 6.0 | 9.7 J | **11** |
| Nitrite as Nitrogen | EPA 300.0 | 14797-65-0 | ***1*** | mg/L | -- | ***< 1.5 UJ-*** | -- | ***< 1.5 UJ-*** |
| Orthophosphate as P | EPA 300.0 | OPO4 | NS | mg/L | -- | < 0.078 UJ | -- | < 0.078 UJ |
| Sulfate | EPA 300.0 | 14808-79-8 | **250** | mg/L | **1700** | **1700** | **1800** | **1900** |
| Perchlorate | EPA 314.0 | 14797-73-0 | **18** | ug/L | -- | **580** | -- | **340** |
| Alkalinity | SM 2320B | ALK | NS | mg/L | -- | 170 | -- | 100 |
| Bicarbonate alkalinity as CaCO3 | SM 2320B | HCO3 | NS | mg/L | -- | 170 | -- | 100 |
| Carbonate Alkalinity as Calcium carbonate | SM 2320B | CO3 | NS | mg/L | -- | < 3.5 U | -- | < 3.5 U |
| Total Dissolved Solids | SM 2540C | TDS | **1900** | mg/L | **4200** | **4200** | **3700** | **3800** |
| Total Cyanide | EPA 335.4 | 57-12-5 | 200 | ug/L | -- | 2.5 J | -- | < 1.5 U |
| Sulfide | SM 4500-S2 D | 18496-25-8 | NS | mg/L | -- | < 0.050 U | -- | < 0.050 U |

**Notes:**
ug/L - micrograms per liter
mg/L - milligrams per liter
pci/L - picocuries per liter
BCL - basic comparison level
EPA - Environmental Protection Agency
MCL - maximum contaminant level
NDEP - Nevada Division of Environmental Protection
NS - No BCL or MCL, or constituent not required to be analyzed
Highlighted bold values exceed the MCL or BCL
Bold italicized values represent detection limits above the MCL or BCL