TABLE 2-1. OU-1 CHEMICAL PRODUCTION SUMMARY (1942 - Present)
Nevada Environmental Response Trust Site; Henderson, Nevada

Production Year	Magnesium Metal	Sodium Chlorate[1, 3] (tons)		Potassium Chlorate (tons)	Ammonium Perchlorate (tons)	Sodium Perchlorate[2, 3] (tons)		Potassium Perchlorate (tons)	Magnesium Perchlorate (tons)	Tumbleleaf, a sodium chlorate product (tons)	Manganese Dioxide (tons)	Elemental Boron (pounds)	Boron Trichloride (pounds)	Boron Tribromide (pounds)
	Finished Product	Recovered Product	Finished Product	Finished Product	Finished Product	Recovered Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product
1942	produced	--		--	--	--		--	--	--	--	--	--	--
1943	produced	--		--	--	--		--	--	--	--	--	--	--
1944	produced	--		--	--	--		--	--	--	--	--	--	--
1945	--	produced		produced	--	produced	--	produced	--	--	--	--	--	--
1946	--	produced		produced	--	produced	--	produced	--	--	--	--	--	--
1947	--	produced		produced	--	produced	--	produced	--	--	--	--	--	--
1948	--	produced		produced	--	produced	--	produced	--	--	--	--	--	--
1949	--	produced		produced	--	produced	--	produced	--	--	--	--	--	--
1950	--	produced		produced	--	produced	--	produced	--	--	--	--	--	--
1951	--	16,326	7,671	4,498	379	produced	--	3,077	--	--	251	--	--	--
1952	--	18,172	7,678	2,798	1,218	produced	--	3,605	--	--	590	--	--	--
1953	--	18,545	8,574	2,973	1,571	produced	--	3,562	--	--	2,355	--	--	--
1954	--	16,528	9,230	2,330	3,974	produced	--	158	--	--	3,030	--	--	--
1955	--	18,228	12,136	2,198	3,239	produced	--	651	--	--	3,576	--	--	--
1956	--	24,644	16,989	2,211	3,738	produced	--	490	--	--	4,052	--	--	--
1957	--	24,346	19,141	1,853	3,427	produced	--	336	--	--	4,385	--	--	--
1958	--	24,232	14,228	2,132	6,746	produced	--	309	--	--	3,548	--	--	--
1959	--	27,232	13,814	1,846	10,888	produced	--	378	--	--	819	--	--	--
1960	--	20,228	12,731	2,077	5,600	produced	--	150	--	--	1,825	--	--	--
1961	--	25,597	10,776	2,338	10,279	produced	--	122	--	--	2,935	--	--	--
1962	--	23,110	11,562	1,582	8,511	produced	--	206	--	--	2,590	--	--	--
1963	--	20,088	6,965	1,439	11,220	produced	--	117	--	--	4,440	--	--	--
1964	--	17,881	7,986	1,468	9,240	produced	--	222	--	--	4,018	--	--	--
1965	--	12,938	7,003	2,264	3,841	produced	--	0	--	--	3,960	--	--	--
1966	--	24,246	16,088	1,638	6,511	produced	--	161	--	--	5,284	--	--	--
1967	--	24,130	13,783	1,624	8,456	produced	--	304	--	--	5,922	--	--	--
1968	--	24,806	17,608	1,528	5,893	produced	113	465	--	--	6,419	--	--	--
1969	--	30,366	23,438	861	6,001	produced	71	535	12	--	6,059	--	--	--
1970	--	29,515	20,904	271	7,692	produced	375	516	6	--	4,670	--	--	--
1971	--	29,021	24,247	302	3,835	produced	142	344	0	--	5,631	--	--	--
1972	--	29,023	20,112	216	7,576	produced	61	463	180	--	7,257	1,841	--	--
1973	--	32,074	23,726	154	6,781	produced	75	526	247	--	8,516	11,141	342,257	2,303
1974	--	31,757	24,862	137	6,163	produced	62	768	249	--	8,689	10,049	424,189	1,014
1975	--	29,805	24,131	10	4,443	produced	41	266	42	384	7,573	8,888	449,575	224
1976	--	30,219	23,823	--	5,152	produced	142	763	-8	179	8,831	8,288	398,758	-30
1977	--	30,538	22,382	--	5,857	produced	416	949	--	290	11,283	9,454	668,399	-15
1978	--	27,984	21,312	--	5,151	produced	333	762	--	676	11,783	14,108	437,657	1,830
1979	--	27,927	18,364	--	6,542	produced	804	830	--	211	12,131	12,904	476,939	10,436

TABLE 2-1. OU-1 CHEMICAL PRODUCTION SUMMARY (1942 - Present)
Nevada Environmental Response Trust Site; Henderson, Nevada

Production Year	Magnesium Metal	Sodium Chlorate[1, 3] (tons)		Potassium Chlorate (tons)	Ammonium Perchlorate (tons)	Sodium Perchlorate[2, 3] (tons)		Potassium Perchlorate (tons)	Magnesium Perchlorate (tons)	Tumbleleaf, a sodium chlorate product (tons)	Manganese Dioxide (tons)	Elemental Boron (pounds)	Boron Trichloride (pounds)	Boron Tribromide (pounds)
	Finished Product	Recovered Product	Finished Product	Finished Product	Finished Product	Recovered Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product	Finished Product
1980	--	27,892	19,009	--	6,282	produced	1,383	524	--	642	11,761	21,303	403,138	11,092
1981	--	28,305	19,162	--	6,174	produced	1,567	386	--	523	11,647	15,027	437,658	6,393
1982	--	26,004	16,066	--	7,075	produced	942	359	--	508	8,768	14,547	362,204	21,164
1983	--	21,436	10,969	--	8,531	produced	841	-2	--	-5	6,062	14,369	472,363	25,105
1984	--	22,906	8,192	--	12,366	produced	1,366	--	--	248	7,384	11,263	492,989	22,788
1985	--	21,665	5,849	--	14,116	produced	1,878	--	--	132	6,091	12,874	539,319	9,245
1986	--	23,401	6,658	--	14,758	produced	1,259	--	--	--	9,279	8,646	574,643	71
1987	--	22,757	6,368	--	14,053	produced	1,061	--	--	--	11,921	19,089	482,152	6,619
1988	--	15,799	1,537	--	15,368	produced	1,346	--	--	--	10,924	11,865	575,075	4,432
1989	--	9,112	1,016	--	18,033	produced	262	--	--	--	15,054	8,084	629,316	329
1990	--	13,764	548	--	18,478	produced	279	--	--	--	15,815	9,983	526,131	-203
1991	--	produced		--	produced	produced		--	--	--	produced	produced	produced	produced
1992	--	produced		--	produced	produced		--	--	--	produced	produced	produced	produced
1993	--	produced		--	produced	produced		--	--	--	produced	produced	produced	produced
1994	--	produced		--	produced	produced		--	--	--	produced	produced	produced	produced
1995	--	produced		--	produced	produced		--	--	--	produced	produced	produced	--
1996	--	produced		--	produced	produced		--	--	--	produced	produced	produced	--
1997	--	produced		--	produced	--		--	--	--	produced	produced	produced	--
1998	--	--		--	produced	--		--	--	--	produced	produced	produced	--
1999-Present	--	--		--	--	--		--	--	--	produced	produced	produced	--

Notes:

-- Available records indicate product was not manufactured during this year.

The term "produced" means that historical records indicate the chemical was manufactured, but the exact quantity is unknown. Exact production quantities are also unknown before 1951 and after 1990 due to gaps in previous data compilations.

Negative product numbers are due to accounting procedures used to adjust finished product tonnage over multiple years.

[1] Recovered production is the total amount produced. Finished production is product ready for off-site sales. The recovered product that was not finished was used as feed for other processes.

[2] Sodium perchlorate was chiefly produced as a feed for the ammonium perchlorate and potassium perchlorate processes, but was sold as a finished product between 1968 and 1990. The exact quantity produced is unknown.

[3] Throughout production, the sodium chlorate and sodium perchlorate processes created hexavalent chromium (from sodium dichromate).

Sources:

ENVIRON International Corporation (ENVIRON), 2011. Phase I Environmental Site Assessment of Tronox LLC, Clark County, Nevada. January 19.

Kleinfelder, Inc. (Kleinfelder), 1993. Environmental Conditions Assessment, Kerr-McGee Chemical Corporation, Henderson, Nevada Facility. April.

TABLE 2-2. HISTORICAL AND CURRENT PONDS/SURFACE IMPOUNDMENTS WITHIN OU-1
Nevada Environmental Response Trust; Henderson, Nevada

Impoundment	Description
Closed Ponds and Surface Impoundments	
Trade Effluent Settling Ponds	Shown in Figure 2-2, the U.S. Government formerly operated four Trade Effluent settling ponds on the north-central side of the BMI Complex, of which about two and one-fifth of the ponds extended onto OU-1 (approximately one-fifth of Pond T4, and all of Ponds T5 and T6). The original system was comprised of four surface impoundments and a distribution pipeline; each settling pond had an area of approximately 20 acres and an average liquid level depth of 7.5 feet. The impoundments contained earthen sides and a French drain system. The ponds likely received wastes between 1942 and 1944, although details regarding their use are not known. Liquid wastes discharged to the pond included acid process liquor (hydrochloric acid generated from primary and secondary scrubbing towers that washed chlorinator exhaust gases in the chlorination process) and caustic process liquors (presumed to be sodium hydroxide generated from absorber towers installed to remove the last traces of chlorine and hydrochloric acid passing the primary and secondary scrubber towers). A French drain system located on the north side of the ponds allowed wastewater to seep into the area north of the settling ponds. Dark areas of apparent staining resulting from this French drain system are apparent in aerial images of OU-1 from the 1940s (visible in Figure 2-9 and more pronounced in Figures 2-2 and 2-3). After use of the settling ponds by the U.S. Government ceased, solid materials/wastes were also placed in this area at various times between 1945 and 1979. The nature of these materials is unknown. Portions of the southern extent of this area were converted to ammonium perchlorate storage areas by 1953. The western portion of this area was subsequently operated as a hazardous waste landfill. Surface impoundments WC-East and WC-West were constructed in the northeastern portion of this area in 1988. Limited soil sampling (primarily for metals) performed in the late 1980s and mid-1990s in this area, prior to construction of the WC and GW-11 ponds, did not identify analytes above background for regional soils (Kleinfelder 1993, ENSR 1997).

TABLE 2-2. HISTORICAL AND CURRENT PONDS/SURFACE IMPOUNDMENTS WITHIN OU-1
Nevada Environmental Response Trust; Henderson, Nevada

Impoundment	Description
Closed Ponds and Surface Impoundments	
Old P-2 and Old P-3	Shown on Figure 2-5a, the Old P-2 Pond, installed in 1972 with a 12,000-square foot surface area and a 350,000-gallon capacity, was located approximately 300 feet southwest of the steam plant. Installed in 1978, the Old P-3 Pond had an approximate surface area of 13,000 square feet. Both ponds were taken out of service and decommissioned in 1990. During their operation, the Old P-2 and Old P-3 Ponds received sodium chlorate solution from process washdown, excess solution above the handling capacity of the process vessels, storm water from the process area, caustic scrubber solution from the ammonium perchlorate plant, and solution from cooling tower leaks. These solutions were concentrated in the surface impoundments through evaporation and then returned to the process where residual sodium chlorate was recovered. Process liquids sent to the surface impoundments contained hexavalent chromium, sodium chloride, sodium chlorate, and sodium perchlorate, but were not considered hazardous waste. Although the ponds were always lined, the lining was replaced on several occasions due to leaks and failures. With respect to the Old P-2 Pond, leaks were identified with the original single liner in 1980, and a second single liner failed (resulting in the release of approximately 50,000 gallons of solution) in 1982. The third liner placed in the Old P-2 Pond also was found to have leaked in 1984 or 1985. No detailed information regarding the liner associated with the Old P-3 Pond was located. Soil sampling within the ponds during the 1990s identified elevated chromium levels.
New P-2 Pond	Shown on Figure 2-5a, the New P-2 Pond replaced the Old P-2 and P-3 Ponds, and it received similar wastewater discharges. This pond was initially constructed by 1983, based on aerial photographs, with two synthetic liners. Approximately 18 months after it was constructed, a third polyethylene liner was installed. This pond had leak detection that was monitored monthly. This pond was decommissioned in 1996.

TABLE 2-2. HISTORICAL AND CURRENT PONDS/SURFACE IMPOUNDMENTS WITHIN OU-1
Nevada Environmental Response Trust; Henderson, Nevada

Impoundment	Description
Closed Ponds and Surface Impoundments	
S-1 and P-1	Shown in Figure 2-5a, the single-lined wastewater surface impoundments P-1 and S-1 were located approximately 200 feet and 60 feet south of the steam plant, respectively. The impoundments were constructed in an area that had previously been used for deposition of solid materials, including manganese dioxide process tailings. P-1 had an approximate surface area of 26,000 square feet and an approximate capacity of 700,000 gallons. S-1 had an approximate surface area of 47,500 square feet and an approximate capacity of 2,000,000 gallons. Each impoundment was constructed as an evaporation pond (not equipped to recycle liquids back to the process). Both ponds managed liquid wastes from the potassium chlorate, potassium perchlorate, sodium perchlorate, and boron manufacturing processes, as well as cooling tower and reboiler wastes from the boron trichloride process. In addition, S-1 received wastes from the sodium chlorate process, and P-1 received liquors, residual salt solutions, and rinsates generated during decommissioning and closure of pond S-1 and decommissioning of the potassium perchlorate manufacturing process. Liquid wastes discharged to both impoundments reportedly contained chromium in excess of hazardous waste criteria. P-1 operated from 1972 to 1975, when it was abandoned because the original liner had failed; it was relined and subsequently operated from 1980 to 1983. S-1 operated from 1974 to 1982, and records suggest that a liner failure may have been identified in 1980. Both impoundments were closed in 1983/4 pursuant to RCRA under a NDEP-approved closure plan, and confirmatory soil sampling was performed to demonstrate that residual chromium levels were below the required cleanup level of 5.0 mg/L. Soils contaminated with chromium were removed during closure activities associated with both ponds. NDEP approved final closure of S-1 and P-1 on December 5, 1985.

TABLE 2-2. HISTORICAL AND CURRENT PONDS/SURFACE IMPOUNDMENTS WITHIN OU-1
Nevada Environmental Response Trust; Henderson, Nevada

Impoundment	Description
Closed Ponds and Surface Impoundments	
State Industries, Inc. Impoundments	Shown on Figure 2-5b, State Industries, Inc. operated two surface impoundments on the southwestern portion of OU-1 beginning in 1972 associated with its hot water heater manufacturing operations. Both impoundments were single-lined. The western impoundment was circular and measured approximately 130 feet in diameter. The eastern impoundment was rectangular and measured approximately 150 feet by 250 feet. The impoundments received spent pickling process wastes (for solar evaporation). The process wastes (approximately 35,000 gallons per month) included spent sulfuric acid, borax, soda ash, phosphates, and TURCO II H.T.C. soap. One of the State Industries impoundments is known to have leaked on three separate occasions in 1974, and a liner apparently ripped on one impoundment in 1980. The western impoundment was closed and covered by a warehouse in approximately 1983. The eastern impoundment was closed by 1988, which involved leaving the liner in place and mixing the contents with soil until the material solidified; an engineered protective cover may not have been placed over this area. Sludge within the ponds was sampled prior to closure and found to be nonhazardous.
C-1	Shown on Figure 2-5a, this single-lined process wastewater surface impoundment, with a 69,000-square foot surface area and an approximate capacity of 3,125,000 gallons, was located near the eastern property boundary, approximately 400 feet north of the manganese tailings pile area. C-1 was constructed in 1974 and was used to hold nonhazardous industrial liquid waste for evaporation (the pond was not equipped to recycle liquids back to the process). Wastewaters received included boiler plant blowdown, boiler plant washdown, manganese dioxide cathode wash solution, boron neutralization solutions, hot process water softener solutions, and main cooling tower blowdown and filter wash. Wastewater discharged to C-1 was nonhazardous but contained sodium hexametaphosphate, neutralized sulfuric acid, calcium and magnesium hydroxide, metal wastes, various sulfates and phosphates, and boron neutralization wastewater. Pond C-1 and associated piping were decommissioned in 1994.
AP-1, 2, 3 and 4	Shown on Figure 2-6, these lined surface impoundments were associated with the former ammonium perchlorate process, specifically to concentrate dilute ammonium perchlorate-containing solutions. AP-1, AP-2, and AP-3 were placed into operation in May 1974, and AP-4 was constructed in 1983. Impoundment AP-2 was found to have leaked in 1979, and the liner was replaced (along with the liner for AP-3). Impoundments AP-1 and AP-3 required frequent patching by late 1983 to mitigate leaks that had developed; the liners were ultimately replaced with double liner systems. Elevated nitrates were identified in groundwater downgradient of AP-1, 2, and 3 in the 1990s. All four ponds were removed from service, cleaned, and emptied in the early 2000s.

TABLE 2-2. HISTORICAL AND CURRENT PONDS/SURFACE IMPOUNDMENTS WITHIN OU-1
Nevada Environmental Response Trust; Henderson, Nevada

Impoundment	Description
Closed Ponds and Surface Impoundments	
AP-5	As shown in Figure 2-5a and 2-6, AP-5, covering an area of approximately 10.88 acres, was historically used associated with the former ammonium perchlorate process, specifically as part of a larger impoundment cluster used to concentrate dilute ammonium perchlorate-containing solutions. AP-5 has been decommissioned, a closure report was submitted in June 2019 (Tetra Tech 2019), and administrative closure is pending. The area beneath AP-5 was sampled as part of the RI and these data are presented in Section 7.
AP-6 (inactive but still physically present)	Shown on Figure 2-5a and 2-6, AP-6 is a double-lined pond located directly east of AP-5 and, based on aerial photographs, was constructed by Kerr-McGee sometime between 1993 and 1995. Limited information has been identified about the historical use of AP-6, but accumulated solids from AP-2 were reportedly transferred to AP-6 for subsequent product recovery. In 1996, minor damage to AP-6's top liner required pond liquor to be transferred out in preparation for repair. The pond was reportedly removed from active service in approximately 2001 but is still physically present at the NERT Site within OU-1. NERT intends to close AP-6 pond as part of final remedy, unless BWPC requests closure in advance of reaching final remedy.
Mn-1	Shown on Figures 2-5a and 2-6, this double-lined process wastewater surface impoundment (equipped with leak detection between the two liners), with a surface area of 53,000 square feet and a capacity of 3.5 million gallons, is located within the EMD leasehold near the eastern property boundary, approximately 200 feet north of the manganese tailings pile area. Mn-1 was placed into operation in 1983 and is used to hold nonhazardous industrial liquid waste for evaporation (the pond is not equipped to recycle liquids back to the process). Mn-1 was temporarily removed from active service following the construction of Mn-2 (discussed below). According to correspondence between EMD and the Trust in 2020, EMD removed the pond sediments, re-lined the pond, and returned the pond to service during Q4 of 2020. Most recently wastewaters included manganese dioxide cell feed filter waste and potassium phosphate cathode wash solution. Historically, Mn-1 also received calcine belt filter wash water from the manganese dioxide Leach Plant until 1989. Wastewater discharged to Mn-1 was nonhazardous but contains calcium, magnesium, manganese from cathode scale, tank mud, cell sludge, sodium hexametaphosphate, and other naturally occurring constituents.

TABLE 2-2. HISTORICAL AND CURRENT PONDS/SURFACE IMPOUNDMENTS WITHIN OU-1
Nevada Environmental Response Trust; Henderson, Nevada

Impoundment	Description
Ponds in Current Operation	
GW-11	Shown on Figure 2-6, this approximately 11-acre, double-lined impoundment (equipped with leak detection between the liners) is located in the area of the former Trade Effluent ponds on the northern portion of OU-1. GW-11 was constructed in late 1998 to contain perchlorate-containing groundwater extracted from the IWF and the AWF systems. This pond is still used for water management associated with operation of the GWETS. The Trust is currently developing a closure strategy for GW-11 and removing it from long-term GWETS operations planning.
Mn-2	Mn-2, which is shown on Figure 2-6, was constructed in 2013 and is a quadruple-lined surface water impoundment located within the EMD leasehold, with a surface area of 1.8 acres and a capacity of 3.75 million gallons (at 3 feet vertical freeboard). Mn-2 is currently used as an evaporation pond for water from various effluent sources, which include: cathode cleaning effluent, wastewater from the boron products area, waste water plant effluent (as needed) and slurries from process tank clean outs in the leach plant (as needed). According to Tronox (now operated by EMD), none of these waste streams are considered hazardous. Mn-2 is located immediately south of Mn-1.
WC-West (also known as WC-1)	Shown on Figure 2-6, this double-lined wastewater surface impoundment (equipped with leak detection between the liners), with a 67,600-square foot surface area and a capacity of 12,515,200 gallons, is located within the former Trade Effluent settling pond area on the northern portion EMD leasehold and is currently operated by EMD. WC-West was placed into operation in 1989 and subsequently received a composite liquid waste stream from Units 3, 5, and 6 and the steam plant. The solutions discharged to WC-West include process water softeners, steam generation blowdown, cooling tower blowdown from Units 3 and 5, manganese dioxide product wash solution from Unit 6, manganese dioxide cathode wash solution, process seal water/filter flush, and concentrated brine from the vapor recompression units. Solution from WC-West was processed through vapor recompression units to reclaim water for cooling and process use, and the concentrated brine effluent was discharged to surface impoundments WC-West or WC-East. Currently, WC-West continues to receive process wastewater discharges, which are routed through an on-site distillation process for purification before being recycled back to the process water system.

TABLE 2-2. HISTORICAL AND CURRENT PONDS/SURFACE IMPOUNDMENTS WITHIN OU-1
Nevada Environmental Response Trust; Henderson, Nevada

Impoundment	Description
Ponds in Current Operation	
WC-East (also known as WC-2)	Shown on Figure 2-6, this triple-lined wastewater surface impoundment (equipped with leak detection between the liners), with an 88,580-square foot surface area and a capacity of 19,658,500 gallons, is located within the former Trade Effluent settling pond area near the east-central portion of the EMD leasehold and is currently operated by EMD. WC-East was placed into operation in 1988 and subsequently received waste streams similar to those received at WC-West, as described above. Currently, WC-East continues to receive process wastewater discharges, which are routed through an on-site distillation process for purification before being recycled back to the process water system.
Central Retention Basin and Northern Retention Basin	During the 2010-2011 interim soil removal action, which is further discussed in Section 3.2 and shown on Figure 2-6, OU-1 was graded such that storm water would be retained on-site. Two retention basins and a drainage channel were constructed: 1) the Central Retention Basin, located approximately 800 feet south (upgradient) of the IWF and 2) the Northern Retention Basin, located approximately 300 feet north (downgradient) of the IWF. A shallow channel located along the eastern side of OU-1 connects the two retention basins and conveys overflow from the Central Retention Basin into the Northern Retention Basin. Surface runoff from within OU-1 and a majority of water collected by the storm sewer network within the EMD-leased area are directed to the Central Retention Basin.

TABLE 2-3. WASTE MIGRATION TO THE UPPER AND LOWER BMI PONDS
Nevada Environmental Response Trust Site; Henderson, Nevada

Company	Period	Solid Waste	Liquid Waste	Quantity of Waste
Waste Migration from within OU-1				
U.S Defense Plant Corp (Basic Magnesium)	1942-1944 (unknown disposal route[1])	--	Acid effluent and waste caustic liquor	Unknown
WECCO/ AP&CC/ Kerr-McGee[2]	1945-1974 (Upper Ponds via the Beta Ditch)	Sodium chlorate filter cake wastes (graphite, calcium carbonate, calcium sulfate, diatomaceous earth, hexavalent chromium)	(solid wastes were sluiced and migrated to Upper Ponds)	391,000 ft^3
	1951-1974 (Upper Ponds via the Beta Ditch)	Ammonium perchlorate filter cake wastes (calcium carbonate, chromium hydroxide, and diatomaceous earth)	(solid wastes were sluiced and migrated to Upper Ponds)	Unknown
	1945-1976 (Upper Ponds via the Beta Ditch)	Potassium perchlorate process wastes (sodium chloride, potassium chloride, and potassium perchlorate)	(solid wastes were sluiced and migrated to Upper Ponds)	293,756 tons
	1972-1976 (Upper Ponds via the Beta Ditch)	--	Aqueous boron solution (magnesium, sodium, sulfate, borate ions)	1,000,000 gallons
	May 1980 (Upper Ponds via the Beta Ditch)	Sodium dichromate	(solid wastes were sluiced and migrated to Upper Ponds)	1,000 to 1,300 lbs.
State Industries, Inc.	1970-1972 (Upper Ponds via the Beta Ditch)	--	Sulfuric acid, borox, soda ash, phosphate chemicals, cyanide	35,000 gallons per month
Koch Materials	1979 to ~1995 (unspecified)	--	Fluids containing petroleum hydrocarbon related materials including heavy oils/tars, asphalt cement, and washout of chemical tanks	Unknown
W.S. Hatch Company/ J.B. Kelley Trucking	1980 to 1988 (unspecified)	--	Truck waste water (contained lime, soda ash, barite, magnesium chloride) and may also have included dilute concentrations of ferric chloride, hydrochloric acid, sodium hydrosulfide, sodium hydroxide, and/or titanium tetrachloride.	Unknown

TABLE 2-3. WASTE MIGRATION TO THE UPPER AND LOWER BMI PONDS
Nevada Environmental Response Trust Site; Henderson, Nevada

Company	Period	Solid Waste	Liquid Waste	Quantity of Waste
Waste Migration from Center of BMI Complex Outside of OU-1				
U.S Lime Company[2]	1969-1972 (Upper Ponds via the Beta Ditch)	--	Industrial wastes from cooling dust control operations	60,000 gallons/day
Waste Migration within BMI Complex and West of OU-1				
Stauffer	1946-1970 (Lower Ponds)	Asbestos sludge	--	Unknown, >1,045 tons
	1971-1976 (Upper Ponds via the Beta Ditch using the Beta Ditch Extension)			
	1956-1958 (Lower Ponds)	--	Effluent containing organics, caustics and cell liquor	Unknown
	1971-1975 (Upper Ponds via the Beta Ditch using the Beta Ditch Extension)	--	Unknown and cooling water	Unknown
Montrose	1947-1970 (Lower Ponds) & 1971-1976 (Upper Ponds via the Beta Ditch using the Beta Ditch Extension)	--	Sulfuric acid	137,000 tons
			Hydrochloric acid	18,000 tons
			Sulfonated metabolites of DDT	6,958 tons
Waste Migration within the BMI Complex and East of OU-1				
TIMET[2]	1953-1976 (Upper Ponds via the Beta Ditch)	--	Leach liquor (hydrogen, magnesium, calcium, sodium, titanium, chloride, nitrate, sulfate)	1,200,000 tons
	1952-1977 (Upper Ponds via the Beta Ditch)	--	Caustic waste (sodium chloride, sodium hypochlorate, mixed chloride, and sulfate salts)	807,000 tons
	1951-1977 (Upper Ponds via the Beta Ditch)	--	Other Process Wastes effluents (hydrochloric acid, mixed metal chlorides)	3,600,000 tons
Jones Chemical Company (within TIMET facility)[2]	Unknown (Upper Ponds via the Beta Ditch)	--	Rinse and wash unknown water containing small amounts of chloride	Unknown

TABLE 2-3. WASTE MIGRATION TO THE UPPER AND LOWER BMI PONDS
Nevada Environmental Response Trust Site; Henderson, Nevada

Company	Period	Solid Waste	Liquid Waste	Quantity of Waste
Waste Migration from East of the BMI Complex				
COH Sewage Treatment Plant #1 (HSTP1)	1958-1985 (Area of Lower Ponds named the Evaporation and Percolation Ponds [EPP])	--	Municipal sewage effluent	~1.0-1.5 MGD
COH Sewage Treatment Plant #2 (HSTP2)	Operated as part of BMI Complex from 1942–1974 (Upper Ponds)	--	Sewage from BMI Complex and municipal sewage effluent	~0.5 MGD
	Operated by COH from 1974-1984 (Upper Ponds until 1981. Unlined infiltration basins located immediately south of the Upper Ponds from 1981-1985.)			
COH Sewage Treatment Plant #3 (HSTP3)	1983 – 1994 (Area of Lower Ponds named the Evaporation and Percolation Ponds [EPP])	--	Municipal sewage effluent	6.3 - 9.5 MGD

Notes:
Information in this table is summarized from Geraghty and Miller (1993) and Batista et al. (2003).

[1] The Upper and Lower BMI Ponds were constructed in the early 1940s to receive wastes from Basic Magnesium, but information specifying the route and volume of waste migrating is not available.

[2] An unknown quantity of waste from this operator may have migrated to the Lower Ponds prior to 1971, but historical records suggest the vast majority of wastes from this operator migrated to the Upper Ponds via the Beta Ditch.

BMI = Basic Management, Inc. or Basic Magnesium, Inc.

COH = City of Henderson

ft^3 = cubic feet
lbs = pounds
MGD = million gallons per day

TABLE 2-4. SALE PARCEL SUMMARY
Nevada Environmental Response Trust Site; Henderson, Nevada

Parcel	Current APN	Date Sold Tronox or Trust	Sold By	Current Parcel Status	Parcel History	Remedial Activities
Parcel A (52.52 acres)	178-01-415-001	12/4/2013	NERT	NDEP issued an NFA for Parcels A and B within the same letter on 11/26/2013 (NDEP 2013) following completion of: a voluntary Environmental Covenant dated 11/20/2013 limiting use of the subject property; a human health risk assessment and supporting technical data (ENVIRON 2013b). Parcels A and the western portion of Parcel B were sold to Treco LLC on 12/4/2013. Parcels A and the western portion of Parcel B are currently owned by Jasmine Development LLC.	Parcel A was not directly used for any manufacturing or waste disposal activities. Parcel A is comprised primarily of vacant land, but includes an area in the northeast corner of the Parcel formerly leased by Lavern Vohs (LOU 67) (BEC 2007a). Research on the Parcel recognizes that historic uses/disposals on or near Parcel A may have occurred (BEC 2007a). Given the vicinity of BMI Industrial Complex, it is also possible that Parcel A or portions thereof could also have been indirectly impacted by such historical operations (BEC 2008c).	In 2007, following an initial sampling effort to identify contaminated areas (BEC 2007a), 3 to 6 inches of surface soil was scraped in several areas within Parcel A to remove the asbestos. Post-scrape samples were then collected and analyzed for asbestos. The post-scrape samples confirmed that asbestos-impacted soil had been removed (BEC 2007f; BEC 2008c). NDEP approved completion of the removal action and issued an NFA for Parcels A and B on April 8, 2008 (NDEP 2008). However, this NFA specifically excluded evaluation of potential vapor intrusion concerns. A soil gas evaluation was subsequently performed within Parcels A and B (Northgate 2010).
Parcel B (11.63 acres)	178-12-110-006; 178-12-110-007	12/4/2013			Parcel B was not directly used for any manufacturing or waste disposal activities. Parcel B is comprised of primarily of vacant land (BEC 2007a). Research on the Parcel recognizes that historic uses/disposals on or near Parcel B may have occurred (BEC 2007a). Also, given the vicinity of BMI Complex, it is also possible that Parcel B or portions thereof could also have been indirectly impacted by historical operations (BEC 2008c).	
Parcel C (20.4 acres)	A portion of 178-12-201-011	5/8/2020	NERT	NDEP issued an NFA for Parcel C and D within the same letter on 12/11/2018 (NDEP 2018a) following completion of: a voluntary Environmental Covenant limiting use of the subject property and a human health risk assessment and supporting technical data (Ramboll 2017a). Treco LLC exercised its option to acquire Parcels C and D and the Parcels were conveyed on 5/8/2020.	Parcel C is located directly north and adjacent to the former Trade Effluent Settling Ponds (LOU 1). The parcel is entirely vacant land (ENVIRON 2013a). Historical use of Parcel C has been limited, based on review of historical aerial photographs and reports of past activities (Northgate 2013). No LOUs are located within Parcel C; however, several LOUs are located upgradient of Parcel C (ENVIRON 2013a). Review of aerial photographs indicates that sometime prior to 1950, multiple ditches lined with French drains were installed across Parcel C, perpendicular to, and leading from, a main French drain that traversed east-west along the northern berm of the ponds located along the southern boundary of Parcel C. The drains were likely used for capturing underflow from the former Trade Effluent Ponds. The drains were constructed because infiltration from the former, unlined Trade Effluent Ponds resurfaced in Parcel C (Converse 2007). At some point, these ditches were disturbed and possibly graded over (Northgate 2013).	During 2010, following an initial sampling effort to identify contaminated areas (BEC 2007c), Northgate remediated Parcels C and D in accordance with the Removal Action Workplan for Soil, Tronox Parcels “C”, “D”, “F”, “G”, and “H” Sites (the RAW) (BEC 2008b). Parcels C and D are presented together because they share boundaries and have similar site-use history (Northgate 2013). BEC developed polygons for Parcels C and D to define areas with SRG exceedances. Total scrape depths in Parcel C and D ranged from 0.4 to 1.0 feet below original grade surface. A total of 1,807 cy and 82 cy of soil were removed from Parcels C and D, respectively. Following the removal action, confirmation soil samples were collected in a manner consistent with the RAW (BEC 2008b). Confirmation sample results indicated that all analytes were detected below their respective NDEP BCLs and target goals (Northgate 2013). Additional evaluation of soil gas was subsequently performed and approved by NDEP (ENVIRON 2013a).
Parcel D (24.6 acres)	A portion of 178-12-201-011	5/8/2020	NERT		Parcel D is located directly north of Parcel C. The entire parcel is vacant land (ENVIRON 2013a). Historical use of Parcel D has been limited, based on review of historical aerial photographs and reports of past activities. Based on review of historical aerial photographs, the ditches (French drains) described for Parcel C extended into and terminated in the eastern two-thirds of Parcel D (Northgate 2013). Southern Nevada Auto Parts (a former Kerr-McGee tenant, also referred to as Nevada Pick-a-Part) operated an auto impound yard where wrecked, police-impounded, and repossessed vehicles were stored. NDEP identified this area as LOU 68, which the tip of the southern portion of extends across Parcel D (ENVIRON 2013a, Northgate 2013). The southern portion of the lease area appeared to have minor soil staining (ENVIRON 2013a). LOU 6 (the Unnamed Drainage Ditch Segment, also referred to as the Northwest Ditch) extends across Parcel D. The Northwest Ditch, which originated near the Beta Ditch (LOU 5) and crossed the northern portion of OU-1 (Kleinfelder 1993), migrated process waste streams from the BMI Complex facilities to the BMI Common Area (ENSR 2005; Broadbent & Associates, Inc. 2011, ENVIRON 2013a).	
Parcel E	178-12-101-005; 178-12-201-009	Unsold		There are currently no plans to sell Parcel E due to the active operation of a groundwater remediation system associated with the OSSM property within the parcel boundaries.	Parcel E is located on the northwest portion of OU-1 between Parcels C and D and has a similar site history.	No remedial activities have been conducted within Parcel E.

TABLE 2-4. SALE PARCEL SUMMARY
Nevada Environmental Response Trust Site; Henderson, Nevada

Parcel	Current APN	Date Sold Tronox or Trust	Sold By	Current Parcel Status	Parcel History	Remedial Activities
Parcel F (7.2 acres)	No APN(s) currently correspond to this Parcel area	Unsold		NDEP issued an NFA for Parcel F on 12/11/2018 (NDEP 2018b) following completion of: a voluntary Environmental Covenant limiting use of the subject property and a human health risk assessment and supporting technical data (Ramboll 2017b). Treco LLC exercised its option to acquire Parcels F and will close within 30 days after Clark County's approval and recording of a final commercial subdivision map and record of survey establishing the parcel as a separate legal parcel.	Parcel F is located on the western boundary of OU-1. Most of the parcel is vacant land, although portions of a building foundation are located within the parcel (ENVIRON 2013a). LOUs 63, 65c, and a portion of LOU 59 are located in Parcel F. Parcel F was leased from 1980 to 1986 by W.S. Hatch Company, a trucking operation. The area within Parcel F that now comprises LOU 63 was leased by J.B. Kelley (also a trucking operation) from 1986 through at least 1993 (Kleinfelder 1993). Trucking operations included operation of diesel and waste oil USTs (the tanks were investigated, found to be leaking, and removed in 1991), and a truck washing area. Rinsate from truck washing was reportedly discharged to the former vault floors, metal containment tanks, a storm sewer (which received additional fluids from truck maintenance), and/or the ground surface until 1991 (ENVIRON 2013a, Kleinfelder 1993). LOU 65c was formerly occupied by Nevada Pre-Cast Concrete, which used office space (no waste streams or reported chemical use) near the J.B. Kelley Site operations from January 1973 to May 1978. Segments of LOU 59 (the Storm Sewer System) are located in Parcel F.	During 2010, following an initial sampling effort to identify contaminated areas (BEC 2007d), Northgate remediated Parcel F in accordance with the RAW (BEC 2008b). BEC developed polygons for Parcel F to define areas with SRG exceedances Eight scrape areas were located in Parcel F. A total of 3,928 cy of soil was removed from Parcel F. Total scrape depths in Parcel F ranged from 0.2 to 0.9 feet below original grade surface. Two small portions of proposed remediation area were not scraped because of impediments. Following the removal action confirmation soil samples were collected in a manner consistent with the RAW (BEC 2008b). Confirmation sample results indicated that all analytes were detected below their respective NDEP BCLs or target goals (Northgate 2013). Additional evaluation of soil gas was subsequently performed and approved by NDEP (ENVIRON 2013a).
Parcel G (2.8 acres)	No APN(s) currently correspond to this Parcel area	Unsold		NDEP issued an NFA for Parcel G on 12/11/2018 (NDEP 2018c) following completion of: a voluntary Environmental Covenant limiting use of the subject property and a human health risk assessment and supporting technical data (Ramboll 2017a). Treco LLC exercised its option to acquire Parcels G and will close within 30 days after Clark County's approval and recording of a final commercial subdivision map and record of survey establishing the parcel as a separate legal parcel.	Parcel G is located on the west side of OU-1. The parcel is comprised primarily of vacant land, although a building is located on the northern portion of the parcel, and a utility vault, portions of a rail line, and several drain inlets are also present (ENVIRON 2013). LOUs 59, 60, and 65d are located within Parcel G. Segments of LOUs 59 (the Storm Sewer System) and 60 (the Acid Drain System) are located in the parcel. Green Ventures International (LOU 65d) leased a building ("S3 Changehouse") from August 1980 to September 1981 for use as a marketing office by a green farming operation. Only office activities (no known waste streams or chemical use) were conducted by Green Ventures International (Kleinfelder 1993).	During 2010, following an initial sampling effort to identify contaminated areas (BEC 2007b), Northgate remediated Parcel G in accordance with the RAW (BEC 2008b). BEC developed polygons for Parcel G to define areas with SRG exceedances. Two scrape areas were located in Parcel G. A total of 1,094 cy of soil was removed from Parcel G, including soil removed from land that is no longer included in Parcel G. Total scrape depths in Parcel G ranged from 0.3 to 0.4 feet below original grade surface. Following the removal action confirmation soil samples were collected in a manner consistent with the RAW (BEC 2008b). Confirmation sample results indicated that all analytes were detected below their respective NDEP BCLs or target goals (Northgate 2013).
Parcel H (26 acres)	178-13-601-013; 178-13-601-012	5/8/2020	NERT	NDEP issued an NFA for Parcel H on 12/11/2018 (NDEP 2018d) following completion of: a voluntary Environmental Covenant limiting use of the subject property and a human health risk assessment and supporting technical data (Ramboll 2017c). Treco LLC exercised its option to acquire Parcels H and the Parcel was conveyed on 5/8/2020.	Parcel H is located in the southern portion OU-1 and is divided into two sections by the paved entrance road to the EMD leasehold, which is not included within Parcel H. The parcel is comprised primarily of vacant land that is crossed by dirt roads and drainage channels (ENVIRON 2013a, Converse 2007). No LOUs were identified within Parcel H (ENVIRON 2013a, Northgate 2013). However, research on the Parcel has recognized that other historic uses/disposals on or near Parcel H may have occurred. Review of historical aerial photographs from 1950 through 2006 of Parcel H indicates that the property has remained undeveloped (Northgate 2013).	During 2010, following an initial sampling effort to identify contaminated areas (BEC 2007e), Northgate remediated Parcel H in accordance with the RAW (BEC 2008b). BEC developed polygons for Parcel H to define areas with SRG exceedances. Two scrape areas were located in Parcel H. A total of 617 cy of soil was removed from Parcel H. Total scrape depths in Parcel H ranged from 0.3 to 0.7 feet below original grade surface. Two portions of the proposed remediation area were not scraped because of impediments. Following the removal action confirmation soil samples were collected in a manner consistent with the RAW (BEC 2008b). Confirmation sample results indicated that all analytes were detected below their respective NDEP BCLs or target goals (Northgate 2013). Additional evaluation of soil gas was subsequently performed and approved by NDEP (ENVIRON 2013a).

TABLE 2-4. SALE PARCEL SUMMARY
Nevada Environmental Response Trust Site; Henderson, Nevada

Notes:

cy = cubic yards
BCL = basic comparison level
BRC = Basic Environmental Company (current known as the Basic Remediation Company [BRC])
LOU = Letter of Understanding Area defined by NDEP
SRG = Soil Remediation Goals
NDEP = Nevada Division of Environmental Protection
NFA = no further assessment
OSSM = Olin, Stauffer, Syngenta, Olin
RAW = Removal Action Workplan for Soil, Tronox Parcels “C”, “D”, “F”, “G”, and “H” Sites

Sources:

BEC, 2007a. Phase 2 Sampling and Analysis Plan to Conduct Soil Characterization, Tronox Parcels "A" and "B" Site, Henderson, Nevada (Revision 1). August 14. NDEP approved on August 24, 2007.

BEC, 2007b. Phase 2 Sampling and Analysis Plan to Conduct Soil Characterization, Tronox Parcel "G" Site, Henderson, Nevada. September 27. NDEP approved on October 29, 2007.

BEC, 2007c. Phase 2 Sampling and Analysis Plan to Conduct Soil Characterization, Tronox Parcels "C" an "D" Site, Henderson, Nevada. September 19. NDEP approved on October 29, 2007.

BEC, 2007d. Phase 2 Sampling and Analysis Plan to Conduct Soil Characterization, Tronox Parcel "F" Site, Henderson, Nevada, Revision 1. September 19. NDEP approved on October 9, 2007.

BEC, 2007e. Phase 2 Sampling and Analysis Plan to Conduct Soil Characterization, Tronox Parcel "H" Site, Henderson, Nevada. November 8. NDEP approved on November 20, 2007.

BEC, 2007f. Asbestos Data Review for 2007 Tronox Parcels A/B Investigation, BMI Industrial Complex, Clark County, Nevada. December 17. NDEP found NFA January 17, 2008.

BEC, 2008a. Sampling and Analysis Plan to Conduct Supplemental Soil Characterization, Tronox Parcels "C", "D", "F", "G", and "H", Henderson, Nevada. May 28. NDEP approved June 5, 2008.

BEC, 2008b. Removal Action Workplan for Soil, Tronox Parcels “C”, “D”, “F”, “G” and “H” Sites, Henderson Nevada. July 1. NDEP approved July 2, 2008.

BEC, 2008c. Technical Memorandum – Data Review for 2007 Tronox Parcels A/B Investigation, BMI Industrial Complex, Clark County, Nevada, Revision 1. Feburary 11.

Broadbent & Associates, Inc., 2011. Quarterly Status Report for the 1st Quarter of 2011. Titanium Metals Corporation, Henderson, Nevada Facility, Facility ID #H000537. April 15.

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ENSR, 2005. Conceptual Site Model, Kerr-McGee Facility, Henderson, Nevada, February.

ENVIRON, 2013a. Soil Gas Investigation and Human Health Risk Assessment Work Plan for Parcels C, D, F, G, and H, Nevada Environmental Response Trust Site, Henderson, Nevada. July 25. NDEP approved December 9, 2013.

ENVIRON, 2013b. Compilation of Selected Health Risk Assessment Documents for Parcels A and B: 2008 to 2013, and Request for a No Further Action Determination, Nevada Environmental Response Trust Site, Henderson, Nevada. August 23. Approved by NDEP on November 26, 2013.

Kleinfelder, 1993. Environmental Conditions Assessment, Kerr-McGee Chemical Corporation, Henderson, Nevada. April.

NDEP, 2008. Tronox LLC (TRX), NDEP Facility ID #H-000539, Nevada Division of Environmental Protection Response to: Technical Memorandum - Data Review for 2007 Tronox Parcels A/B Investigation, Dated February 11, 2008.

NDEP, 2013. No Further Action Determination - NERT Parcels A and B, Tronox LLC (TRX) Facility, Nevada Environmental Response Trust (Trust) Property, Clark County, Nevada, Portion of APNs 1781415001, 17812110004, NDEP Facility ID #H-000539. November 26.

NDEP, 2018a. No Further Action Determination - NERT Parcels C and D, Tronox LLC (TRX) Facility, Nevada Environmental Response Trust (Trust) Property, Clark County Nevada, APN 17812201005, 17812601014, 17812101003, NDEP Facility ID #H-000539, December 11.

NDEP, 2018b. No Further Action Determination - NERT Parcel F, Tronox LLC (TRX) Facility, Nevada Environmental Response Trust (Trust) Property, Clark County Nevada, APN 17812401015, NDEP Facility ID #H-000539, December 11.

NDEP, 2018c. No Further Action Determination - NERT Parcel G, Tronox LLC (TRX) Facility, Nevada Environmental Response Trust (Trust) Property, Clark County Nevada, APN 17813101009, NDEP Facility ID #H-000539, December 11.

NDEP, 2018d. No Further Action Determination - NERT Parcel H, Tronox LLC (TRX) Facility, Nevada Environmental Response Trust (Trust) Property, Clark County Nevada, APNs 17813601005, 17813601002, NDEP Facility ID #H-000539, December 11.

Northgate, 2010. Revised Technical Memoradum: Screening-Level Indoor Air Health Risk Assessment for the 2008 Tronox Parcel A/B Soil Gas Investigation, BMI Complex, Clark County, Nevada. NDEP issued comments on May 23, 2011. ENVIRON responded to NDEP comments on May 3, 2013.

Northgate, 2013. Revised Post-Remediation Screening Health Risk Assessment Report for Parcels C, D, F, G, and H, Nevada Environmental Response Trust Site, Henderson, Nevada. June 27.

Ramboll, 2017a. Health Risk Assessment for Parcels C, D, and G, Revision 1. November 3. NDEP approved on January 19, 2018 after reviewing a response to comments from Ramboll dated September 18, 2017.

Ramboll, 2017b. Health Risk Assessment for Parcel F, Revision 1. December 15. NDEP approved on February 1, 2018 after reviewing a response to comments from Ramboll.

Ramboll, 2017c. Health Risk Assessment for Parcel H, Revision 1. February 12. NDEP approved on March 22, 2018 after reviewing a response to comments from Ramboll.

TABLE 5-1. VERTICAL GRADIENT CALCULATIONS
Nevada Environmental Response Trust Site
Henderson, Nevada

Well Cluster	Shallower Well	Deeper Well	Water Bearing Zone of Shallower Well	Water Bearing Zone of Deeper Well	Midscreen Depth of Deeper Well (ft amsl)	Midscreen Elevation of Shallower Well (ft amsl)	Midscreen Elevation of Deeper Well (ft amsl)	Groundwater Elevation in Shallower Well (ft amsl)	Groundwater Elevation in Deeper Well (ft amsl)	Calculated Vertical Gradient (ft/ft)	Vertical Gradient Direction
AA-07/MCF-07	AA-07	MCF-07	Shallow	Deep	360	1570.12	1250.07	1573.54	1538.91	0.1082	Downward
AA-09/MCF-09B	AA-09	MCF-09B	Shallow	Middle	115	1646.76	1578.00	1656.59	1656.55	0.0006	Insignificant
AA-BW-09A/MCF-BW-09B	AA-BW-09A	MCF-BW-09B	Shallow	Shallow	68	1718.59	1693.63	1716.55	1717.77	-0.0489	Insignificant
AA-BW-09A/DMC-MW-28	AA-BW-09A	DMC-MW-28	Shallow	Middle	275	1718.59	1485.62	1716.55	1796.68	-0.3440	Upward
AA-MW-25/MC-MW-10	AA-MW-25	MC-MW-10	Shallow	Middle	100	1747.60	1701.21	1747.31	1747.03	0.0060	Insignificant
AA-MW-25/MW-08	AA-MW-25	MW-08	Shallow	Middle	285	1747.60	1515.95	1747.31	1815.18	-0.2930	Upward
ADY-36/ADY-70	ADY-36	ADY-70	Shallow	Lower Shallow	77.5	1720.20	1691.20	1735.86	1735.34	0.0179	Insignificant
ADY-36/ADY-166	ADY-36	ADY-166	Shallow	Middle	176	1720.20	1593.20	1735.86	1732.92	0.0231	Insignificant
ADYX-38/ADYX-165	ADYX-38	ADYX-165	Shallow	Middle	185	1720.35	1588.14	1739.00	1736.72	0.0172	Insignificant
AEX-35/AEX-166	AEX-35	AEX-166	Shallow	Middle	176	1737.70	1607.30	1744.80	1692.65	0.3999	Downward
AFX-30/AFX-75	AFX-30	AFX-75	Shallow	Lower Shallow	85	1761.21	1714.66	1764.67	1762.51	0.0464	Insignificant
AFX-30/AFX-195	AFX-30	AFX-195	Shallow	Middle	202.5	1761.21	1598.05	1764.67	1756.83	0.0481	Insignificant
AGX-50/AGX-90	AGX-50	AGX-90	Shallow	Middle	100	1690.67	1650.64	1712.67	1718.28	-0.1401	Upward
AGX-50/AGX-190	AGX-50	AGX-190	Shallow	Middle	200	1690.67	1551.08	1712.67	1735.06	-0.1604	Upward
AGX-50/AGX-230	AGX-50	AGX-230	Shallow	Middle	240	1690.67	1511.37	1712.67	1750.32	-0.2100	Upward
AK-25/AK-86	AK-25	AK-86	Shallow	Middle	96	1702.22	1641.04	1711.06	1714.94	-0.0634	Upward
AK-25/AK-204	AK-25	AK-204	Shallow	Middle	214	1702.22	1522.27	1711.06	1735.53	-0.1360	Upward
AMOW-3-52/AMOW-3-165	AMOW-3-52	AMOW-3-165	Shallow	Middle	180	1718.35	1600.57	1744.34	1710.80	0.2848	Downward
AMX-40/AMX-98	AMX-40	AMX-98	Shallow	Middle	105.5	1711.20	1655.60	1729.28	1740.55	-0.2027	Upward
AMX-40/AMX-166	AMX-40	AMX-166	Shallow	Middle	175.5	1711.20	1585.60	1729.28	1778.42	-0.3912	Upward
B01/DPT-01	B01	DPT-01	Shallow	Middle	121.5	1758.39	1686.45	1766.66	1769.32	-0.0370	Insignificant
B01/DMC-MW-26	B01	DMC-MW-26	Shallow	Middle	277	1758.39	1531.34	1766.66	1812.58	-0.2022	Upward
DX-30/DX-75	DX-30	DX-75	Shallow	Lower Shallow	85	1791.14	1745.51	1802.89	1805.18	-0.0502	Upward
DX-30/DX-161	DX-30	DX-161	Shallow	Middle	171	1791.14	1657.83	1802.89	1760.25	0.3199	Downward
DX-30/DX-350	DX-30	DX-350	Shallow	Deep	360	1791.14	1470.70	1802.89	1830.70	-0.0868	Upward
DY-26/DY-169	DY-26	DY-169	Shallow	Middle	179	1764.60	1621.40	1778.32	1764.90	0.0937	Downward
DZ-15/DZ-152	DZ-15	DZ-152	Shallow	Middle	162	1812.03	1674.68	1816.72	1812.66	0.0296	Insignificant
F3-27/F3-90	F3-27	F3-90	Shallow	Middle	100	1763.20	1700.30	1783.34	1792.01	-0.1378	Upward
FX-25/FX-180	FX-25	FX-180	Shallow	Middle	190	1722.30	1567.70	1727.61	1757.70	-0.1946	Upward
FX-25/FX-415	FX-25	FX-415	Shallow	Deep	425	1722.30	1333.00	1727.61	1758.00	-0.0781	Upward
JX-11/JX-86	JX-11	JX-86	Shallow	Middle	96	1650.82	1573.21	1656.45	1654.69	0.0227	Insignificant
LX-55/LX-150	LX-55	LX-150	Shallow	Middle	160	1831.90	1736.50	1861.97	1863.61	-0.0172	Insignificant
M-135/M-161	M-135	M-161	Shallow	Middle	104.7	1715.68	1645.21	1717.90	1728.56	-0.1513	Upward
M-135/M-161D	M-135	M-161D	Shallow	Middle	135	1715.68	1612.78	1717.90	1733.95	-0.1560	Upward
M-148A/M-186	M-148A	M-186	Shallow	Middle	109.7	1753.14	1688.30	1753.63	1755.38	-0.0270	Insignificant
M-148A/M-186D	M-148A	M-186D	Shallow	Middle	163	1753.14	1635.16	1753.63	1770.05	-0.1392	Upward
M-31A/M-149	M-31A	M-149	Shallow	Middle	110	1752.10	1687.21	1752.69	1752.98	-0.0045	Insignificant
M-31A/M-153	M-31A	M-153	Shallow	Middle	160	1752.10	1637.21	1752.69	1767.85	-0.1320	Upward

TABLE 5-1. VERTICAL GRADIENT CALCULATIONS
Nevada Environmental Response Trust Site
Henderson, Nevada

Well Cluster	Shallower Well	Deeper Well	Water Bearing Zone of Shallower Well	Water Bearing Zone of Deeper Well	Midscreen Depth of Deeper Well (ft amsl)	Midscreen Elevation of Shallower Well (ft amsl)	Midscreen Elevation of Deeper Well (ft amsl)	Groundwater Elevation in Shallower Well (ft amsl)	Groundwater Elevation in Deeper Well (ft amsl)	Calculated Vertical Gradient (ft/ft)	Vertical Gradient Direction
M-44/M-156	M-44	M-156	Shallow	Middle	185	1675.69	1510.66	1672.09	1676.41	-0.0262	Insignificant
M-5A/TR-2	M-5A	TR-2	Shallow	Middle	159.5	1704.26	1589.98	1714.33	1726.76	-0.1088	Upward
M-5A/TR-1	M-5A	TR-1	Shallow	Middle	296.5	1704.26	1453.06	1714.33	1773.58	-0.2359	Upward
M-71/M-163	M-71	M-163	Shallow	Lower Shallow	84.7	1715.19	1660.92	1711.61	1721.49	-0.1821	Upward
M-71/M-162D	M-71	M-162D	Shallow	Middle	135	1715.19	1610.04	1711.61	1737.50	-0.2462	Upward
M-74/M-132	M-74	M-132	Shallow	Lower Shallow	84.7	1718.41	1657.94	1716.96	1718.72	-0.0291	Insignificant
M-74/M-165	M-74	M-165	Shallow	Middle	114.7	1718.41	1626.92	1716.96	1721.79	-0.0528	Upward
MC-09R/MC-MW-29	MC-09R	MC-MW-29	Shallow	Lower Shallow	68.5	1684.57	1646.84	1685.83	1685.42	0.0109	Insignificant
MC-09R/TR-11	MC-09R	TR-11	Shallow	Middle	220	1684.57	1494.37	1685.83	1724.40	-0.2028	Upward
MCF-01B/MCF-01A	MCF-01B	MCF-01A	Lower Shallow	Deep	345	1683.95	1409.44	1707.72	1722.52	-0.0539	Upward
MCF-06C/MCF-06B	MCF-06C	MCF-06B	Shallow	Lower Shallow	74.5	1578.78	1555.77	1575.85	1575.54	0.0135	Insignificant
MCF-16C/MCF-16A	MCF-16C	MCF-16A	Shallow	Deep	374.5	1626.88	1315.17	1629.79	1651.42	-0.0694	Upward
MW-03/CP-01	MW-03	CP-01	Shallow	Middle	120	1774.01	1704.00	1781.33	1796.46	-0.2161	Upward
MW-AD/ADX-156	MW-AD	ADX-156	Shallow	Middle	171	1769.30	1637.10	1776.78	1729.51	0.3576	Downward
PC-135A/PC-134D	PC-135A	PC-134D	Shallow	Lower Shallow	85	1578.26	1533.73	1582.33	1588.33	-0.1347	Upward
PC-136/PC-137D	PC-136	PC-137D	Shallow	Lower Shallow	85	1587.12	1533.79	1584.41	1587.16	-0.0516	Upward
TR-10/TR-9	TR-10	TR-9	Shallow	Middle	240	1761.79	1611.85	1791.27	1822.26	-0.2067	Upward
TR-6/TR-5	TR-6	TR-5	Shallow	Middle	236	1727.74	1561.49	1764.77	1808.00	-0.2600	Upward
TR-8/TR-7	TR-8	TR-7	Shallow	Middle	275	1748.74	1551.71	1780.45	1822.22	-0.2120	Upward
TWA-20/TWA-180	TWA-20	TWA-180	Shallow	Middle	190	1645.90	1480.60	1650.44	1652.79	-0.0142	Insignificant
TWB-21/TWB-140	TWB-21	TWB-140	Shallow	Middle	150	1628.60	1504.90	1641.45	1639.60	0.0150	Insignificant
TWC-15/TWC-126	TWC-15	TWC-126	Shallow	Middle	136	1630.00	1514.60	1637.96	1638.00	-0.0003	Insignificant
TWE-15/TWE-107	TWE-15	TWE-107	Shallow	Middle	117	1616.90	1517.00	1624.59	1624.81	-0.0022	Insignificant
WS5-10/WS5-80	WS5-10	WS5-80	Shallow	Middle	90	1704.53	1633.99	1713.34	1714.34	-0.0142	Insignificant

Notes:
ft = feet
amsl = above mean sea level

TABLE 6-1. SUMMARY OF DATES OF THE NERT RI FIELD WORK
Nevada Environmental Response Trust Site
Henderson, Nevada

Phase of RI	Date Range that Field Work was Completed
Phase 1 RI	October 2014 - May 2015
Unit 4 and 5 Buildings Investigation	October 2015 - December 2017
AECOM Downgradient Study Area Investigation	December 2015 - August 2019
Initial Phase 2 RI	February 2017 - November 2017
Phase 2 RI Modifications (1-15)	May 2017 - April 2019[a]
Initial Phase 3 RI	December 2017[b] - November 2018
Phase 3 RI Modifications (1-15)	June 2018 - October 2022[c]

Notes:

[a] Phase 2 RI modifications involving monthly surface water sampling in the Las Vegas Wash are ongoing.

[b] Prior to the start of the initial Phase 3 RI, well inspections were performed as part of Phase 3 RI Modification No. 1 beginning in August 2017.

[c] Sampling acitvities for the Phase 3 RI modifications conducted within OU-1 and OU-2 were completed between June 2018 and January 2020.

TABLE 7-1a. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UPPER TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		RZ-A Background[3]		TIMET/BRC Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
General Chemistry	Ammonia	mg/kg	--	--	27,900	BCL	--	--	--	--	423	103	24.3	<0.061	7.9 UJ	0.13 J	680 J	3.5	22	88	4	RSAM5	0	--
	Bicarbonate as HCO_3	mg/kg	--	--	--	--	--	--	--	--	82	82	100	--	--	1,200	93,000	26,000	28,000	19,000	0.65	M-192	--	--
	Bromide	mg/kg	103	LBCL	--	--	--	--	--	--	497	49	9.9	0.063 UJ	<28.4	0.2 J	83.3	1.3	4.2	12	2.8	SA-15	0	--
	Carbonate as CO_3	mg/kg	--	--	--	--	--	--	--	--	363	274	75.5	<0.689	<330	3 J	2,330	26	280	480	1.7	RSAI7	--	--
	Chlorate	mg/kg	1.03	LBCL	38,900	BCL	--	--	--	--	666	488	73.3	<0.021	<11.2	0.039 J	20,900	3.4	170	1,500	8.7	SA-106	322	20,000
	Chloride	mg/kg	--	--	--	--	--	--	--	--	497	483	97.2	<0.21	<4.69	0.4 J	9,170	68	380	920	2.4	TSB-FR-02	--	--
	Chlorite	mg/kg	--	--	38,900	BCL	--	--	--	--	72	0	0	<0.040	0.80 UJ	--	--	--	--	--	--	--	--	--
	Cyanide (total)	mg/kg	2	LBCL	164	BCL	--	--	--	--	230	4	1.7	0.13 UJ	<1	0.48 J	1.3	0.68	0.78	0.39	0.49	RSAJ2	0	--
	Fluoride	mg/kg	600	RSL	51,900	BCL	--	--	--	--	105	34	32.4	<0.1	<3.7	0.38 J	2.4 J	0.76	0.92	0.55	0.6	TSB-FJ-09	0	--
	Hydroxide	mg/kg	--	--	--	--	--	--	--	--	82	0	0	<46	<190	--	--	--	--	--	--	--	--	--
	Nitrate (as NO_3)	mg/kg	31	LBCL	100,000	BCL	--	--	--	--	621	552	88.9	<0.21	<4.2	0.75 J	2,300 J	23	64	160	2.4	SA-15	213	74
	Nitrate Nitrite as N	mg/kg	--	--	--	--	--	--	--	--	186	156	83.9	<1.1	<1.6	1.2 J	220	6.8	14	27	2	RIDB-34	--	--
	Nitrite	mg/kg	--	--	120,000	RSL	--	--	--	--	562	83	14.8	0.001 UJ	<10.9	0.08 J	77.1	0.41	4.1	13	3.2	SA-64	0	--
	Perchlorate	mg/kg	0.0155	LBCL*	908	BCL	--	--	--	--	1124	1085	96.5	<0.0019	<0.17	0.0024 J	56,000	4.2	210	2,100	9.8	RSAR7	1077	3,600,000
	ortho-Phosphate	mg/kg	--	--	--	--	--	--	--	--	205	19	9.3	<0.51	<11.0	1.3 J	2,900 J	7.2	240	690	2.9	SA-11	--	--
	Sulfate	mg/kg	--	--	--	--	--	--	--	--	517	510	98.6	<0.52	<1.5	3.9 J	31,700	170	950	2,900	3	SA-130	--	--
Metals	Aluminum	mg/kg	50,100	LBCL	100,000	BCL	7,340	11,400	3,740 J	15,300 J	546	546	100	--	--	3,500	14,000	8,700	8,600	1,600	0.18	M-191	0	--
	Antimony	mg/kg	0.3	LBCL	3,450	BCL	0.5 UJ	3.4	0.12 J-	0.5 J-	664	240	36.1	0.0523 UJ	4.9 UJ	0.11 J-	30.3	0.22	0.91	2.6	2.9	SA-130	112	100
	Arsenic	mg/kg	1	LBCL	7.2	SS	1.6	4.25	2.5	7.2 J	1195	1182	98.9	<0.88	<9.9	0.58	2,000	3.3	14	100	7.7	SA-130	1180	2,000
	Barium	mg/kg	82	LBCL	100,000	BCL	111	213	73	445 J	670	669	99.9	<3.8	<3.8	4.6 J	6,760	170	200	300	1.5	SA-56	644	82
	Beryllium	mg/kg	3	LBCL	6,130	BCL	0.362	0.588 J	0.16 J	0.89	426	426	100	--	--	0.221 J	2.16	0.47	0.49	0.13	0.27	SA-130	0	--
	Boron	mg/kg	21.4	LBCL	100,000	BCL	3.6 J	11.7	<3.2	11.6 J+	670	607	90.6	<1.1	<26	1.5 J	1,510	7.8	16	85	5.4	SA-62	36	71
	Cadmium	mg/kg	0.4	LBCL	8,180	BCL	<0.04	0.48	<0.129	<0.129	670	342	51	<0.0125	<2.6	0.04 J	8.88	0.14	0.24	0.53	2.2	SA-103	43	22
	Calcium	mg/kg	--	--	--	--	--	--	9,440	82,800 J	426	426	100	--	--	8,900 J	158,000	25,000	27,000	12,000	0.44	TSB-HR-05	--	--
	Chromium (total)	mg/kg	180,000	RSL	--	--	5.57	10.7 J	2.6	16.7	948	945	99.7	<2.6	<5.2	0.13	330 J	13	17	20	1.1	M-191	0	--
	Chromium VI	mg/kg	2	LBCL	117	BCL	<0.18	0.29 J	<0.25	<0.32	880	240	27.3	<0.101	<3.2	0.11 J	96.3	0.76	4	10	2.5	SA-106	67	48
	Cobalt	mg/kg	0.453	LBCL	385	BCL	5.4	9.1	3.7 J	16.3 J	727	711	97.8	<1.0	<2.6	1.6	420	7.3	12	29	2.5	M-186D	711	930
	Copper	mg/kg	45.8	LBCL	51,900	BCL	15.8	140	10.2	25.9 J	665	655	98.5	<5.0	<5.2	5.5 J	367	18	22	22	0.98	M-121	38	8
	Iron	mg/kg	589	LBCL	100,000	BCL	11,300	20,600	5,410	19,700	670	670	100	--	--	220	39,500	15,000	15,000	4,200	0.28	SA-28	665	67
	Lead	mg/kg	14	RSL	800	BCL	7.1	72.8	3 J	35.1	743	728	98	5.0 UJ	<5.4	3.6 J-	5,280	9.3	30	250	8.3	DS-C23-1	138	380
	Lithium	mg/kg	20	LBCL	2,600	BCL	--	--	7.5	26.5	95	76	80	<1.4628	<13.14	3.2 J	24 J	12	12	3.6	0.29	TSB-GJ-09	4	1.2
	Magnesium	mg/kg	889	LBCL	100,000	BCL	7,700	13,000	4,690 J	17,500 J	733	733	100	--	--	1,600	189,000	9,500	14,000	21,000	1.5	DS-DB-1	733	210
	Manganese	mg/kg	305	LBCL	100,000	BCL	262	537	151	863 J	874	874	100	--	--	46	204,000 J	390	1,900	9,800	5.3	DS-C23-1	702	670
	Mercury	mg/kg	0.104	LBCL	3.13	BCL	0.006 J	0.362	<0.0072	0.11	671	539	80.3	<0.002	<0.112	0.003 J	1.99	0.017	0.047	0.15	3.1	SA-169	33	19
	Molybdenum	mg/kg	3.37	LBCL	6,490	BCL	<0.31	32.7	0.3 J	2	669	442	66.1	<0.08	<10	0.15 J	82.2	0.51	1.2	5.4	4.3	SA-56	12	24
	Nickel	mg/kg	7	LBCL	56,600	BCL	12.7	21.4	7.9 J	30 J	669	654	97.8	<5.0	<5.2	2.5	180	15	16	12	0.71	M-186D	638	26
	Niobium	mg/kg	1.17	LBCL	130	BCL	--	--	1.01 UJ-	1.01 UJ-	240	19	7.9	0.7559 UJ	<30	1.7 J	9.9 J+	3.1	4.4	2.8	0.63	TSB-FR-01	19	8.5
	Palladium	mg/kg	--	--	--	--	--	--	0.16	1.5	151	93	61.6	<0.048	<0.955	0.09 J	2.1	0.33	0.36	0.21	0.59	TSB-FJ-02	--	--
	Phosphorus (total)	mg/kg	6,050	CAL	100,000	BCL	--	--	862	2,010	566	566	100	--	--	11.7	2,480	900	910	280	0.31	SA-61	0	--
	Platinum	mg/kg	12	LBCL	5,190	BCL	0.006 J	<0.11	<0.0435	0.099 J	426	261	61.3	<0.007	<0.12	0.004 J	2.4	0.01	0.026	0.15	5.8	TSB-FJ-02	0	--
	Potassium	mg/kg	--	--	--	--	1,450	4,210	625	3,890	426	426	100	--	--	704	6,930 J	2,200	2,300	670	0.29	SA-32	--	--
	Selenium	mg/kg	0.3	LBCL	6,490	BCL	<0.7	<4.3	<0.158	0.6	558	66	11.8	<0.11	<50.0	0.11 J	3.7	0.85	0.94	0.85	0.91	RISB-02	43	12
	Silicon	mg/kg	--	--	--	--	--	--	335 J	4,150	162	162	100	--	--	41 J-	530 J-	150	180	100	0.55	TSB-HJ-01	--	--
	Silver	mg/kg	1.42	LBCL	100,000	BCL	<0.2	<0.2	<0.261	<0.261	670	157	23.4	<0.02	<16	0.02	9.6	0.11	0.32	1	3.3	SA-130	6	6.8
	Sodium	mg/kg	--	--	--	--	307	1,050	128	1,320	426	425	99.8	<4.5	<4.5	159	11,700	680	990	1,100	1.1	SA-106	--	--
	Strontium	mg/kg	420	RSL	100,000	BCL	129	339	75.5	808 J	606	606	100	--	--	35	1,200	180	190	93	0.48	SA-56	10	2.9
	Sulfur	mg/kg	--	--	--	--	--	--	--	--	167	98	58.7	360 UJ	<440	110	26,000	810	1,700	3,500	2.1	RISB-60	--	--
	Thallium	mg/kg	0.4	LBCL	13	BCL	0.071	0.193 J	<0.543	1.8	667	377	56.5	<0.073	<4.9	0.054	61.8	0.11	0.39	3.2	8.4	SA-56	22	150
	Tin	mg/kg	3,000	RSL	100,000	BCL	<10.2	<11	0.24 J	0.8 J	426	404	94.8	<0.0263	<11.2	0.064 J	11.9	4	3.2	1.9	0.6	RSAK8	0	--
	Titanium	mg/kg	134,000	LBCL	100,000	BCL	480	1,080	262	1,010 J	426	426	100	--	--	294	1,270	690	700	190	0.27	SA-166	0	--
	Tungsten	mg/kg	4.01	LBCL	1,040	BCL	<0.11	0.62	0.0175 UJ	0.0175 UJ	605	395	65.3	0.000011 UJ	52 UJ	0.0028 J-	69.9	0.26	0.79	4.4	5.6	SA-130	7	17
	Uranium (total)	mg/kg	13.5	LBCL	3,830	BCL	0.655	1.94	0.62 J	2.7	483	483	100	--	--	0.39	7.56	0.95	1.1	0.53	0.49	SA-56	0	--
	Vanadium	mg/kg	300	LBCL	100,000	BCL	28	54.9	20.2	59.1 J	549	549	100	--	--	3.0 J	111	42	42	13	0.31	SA-130	0	--
	Zinc	mg/kg	620	LBCL	100,000	BCL	25.8	254	15.4	121	546	546	100	--	--	17.1	511	33	39	32	0.83	SA-130	0	--
	Zirconium	mg/kg	4.8	RSL	104	BCL	--	--	86.1 J	179 J	275	241	87.6	<5.1	<26	7.9 J	43	21	22	4.7	0.22	RIDB-27	241	9
Radionuclides	Radium-226	pCi/g	--	--	0.023	BCL	--	--	0.494 J	2.36	576	576	100	--	--	0.0124 U	2.53	0.94	0.93	0.33	0.35	SA-92	575	110

TABLE 7-1a. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UPPER TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		RZ-A Background[3]		TIMET/BRC Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Radionuclides	Radium-228	pCi/g	--	--	0.046	BCL	--	--	0.946 U	2.92	576	576	100	--	--	-0.186 U	14.3	1.2	1.3	0.82	0.62	TSB-FR-02	570	310
	Thorium-228	pCi/g	0.0027	LBCL	0.026	BCL	--	--	1.15	2.28	548	548	100	--	--	-0.0733 U	3.94	1.7	1.7	0.46	0.28	RIDB-35	544	1,500
	Thorium-230	pCi/g	0.001	LBCL	14	BCL	--	--	0.73 J	3.01	548	548	100	--	--	0.0498	4.31	1.1	1.1	0.41	0.35	SA-74	548	4,300
	Thorium-232	pCi/g	0.0035	LBCL	13	BCL	--	--	1.22	2.23	548	548	100	--	--	-0.0107 U	3.94	1.5	1.5	0.43	0.28	RIDB-36	546	1,100
	Uranium-234	pCi/g	--	--	18	BCL	--	--	0.63 U	2.84	444	444	100	--	--	0.26 J	3.43	0.99	1.1	0.37	0.34	SA-128	0	--
	Uranium-235	pCi/g	--	--	0.33	BCL	--	--	0.0009	0.21 J	444	444	100	--	--	-0.0766 U	0.253	0.05	0.058	0.038	0.65	RSAK6	0	--
	Uranium-238	pCi/g	--	--	1.5	BCL	--	--	0.65 J	2.37	444	444	100	--	--	0.196 J	3.33 J	0.96	1	0.3	0.3	SA-128	17	2.2
VOCs	Acetone	µg/kg	800	LBCL	100,000,000	BCL	--	--	--	--	961	364	37.9	<1.4	<28	1.5 J	1,900 J	11	31	120	4	TSB-FJ-10	2	2.4
	Acetonitrile	µg/kg	26	RSL	3,410,000	BCL	--	--	--	--	95	0	0	2 UJ	<5.6	--	--	--	--	--	--	--	--	--
	t-Amyl methyl ether	µg/kg	--	--	--	--	--	--	--	--	866	0	0	<0.053	<7.8	--	--	--	--	--	--	--	--	--
	Benzene	µg/kg	2	LBCL	5,310	BCL	--	--	--	--	961	4	0.4	<0.088	<7.8	0.75 J	33	7.4	12	15	1.3	RI-25	2	16
	Bromobenzene	µg/kg	42	RSL	679,000	BCL	--	--	--	--	961	0	0	<0.12	<7.8	--	--	--	--	--	--	--	--	--
	Bromochloromethane	µg/kg	21	RSL	628,000	BCL	--	--	--	--	960	0	0	<0.15	<7.8	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/kg	30	LBCL	1,300	BCL	--	--	--	--	961	2	0.2	<0.11	<7.8	0.40 J	0.69 J	0.54	0.54	0.21	0.38	SSAO8-10	0	--
	Bromoform	µg/kg	40	LBCL	95,300	BCL	--	--	--	--	961	1	0.1	<0.06	<7.8	1.7 J	1.7 J	1.7	1.7	--	--	SA-102	0	--
	Bromomethane	µg/kg	10	LBCL	30,300	BCL	--	--	--	--	961	0	0	<0.13	<16	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/kg	1,200	RSL	28,400,000	BCL	--	--	--	--	960	153	15.9	<0.42	<19	0.56 J	27	1.6	3	4.5	1.5	SSAO7-06	0	--
	n-Butylbenzene	µg/kg	3,200	RSL	108,000	BCL	--	--	--	--	961	3	0.3	<0.18	<7.8	0.74 J	1.2 J	1.2	1	0.27	0.25	U4U5-1	0	--
	sec-Butylbenzene	µg/kg	5,900	RSL	145,000	BCL	--	--	--	--	961	0	0	<0.11	<7.8	--	--	--	--	--	--	--	--	--
	tert-Butylbenzene	µg/kg	1,600	RSL	183,000	BCL	--	--	--	--	961	0	0	<0.1	<7.8	--	--	--	--	--	--	--	--	--
	Carbon disulfide	µg/kg	2,000	LBCL	738,000	BCL	--	--	--	--	95	0	0	<0.12	<0.61	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	µg/kg	3	LBCL	2,960	BCL	--	--	--	--	961	1	0.1	<0.21	<7.8	0.63 J	0.63 J	0.63	0.63	--	--	RSAN3	0	--
	Chlorobenzene	µg/kg	70	LBCL	1,370,000	BCL	--	--	--	--	961	8	0.8	<0.11	<7.8	0.64 J	19	1.2	3.9	6.3	1.6	RI-25	0	--
	Chloroethane	µg/kg	2,400	RSL	2,120,000	BCL	--	--	--	--	961	0	0	0.21 UJ	<7.8	--	--	--	--	--	--	--	--	--
	Chloroform	µg/kg	30	LBCL	1,390	BCL	--	--	--	--	961	237	24.7	<0.1	<7.8	0.31 J	210 J-	2.4	7.3	20	2.7	U4U5-39	8	7
	1-Chlorohexane	µg/kg	--	--	--	--	--	--	--	--	12	0	0	<4.5	<7.8	--	--	--	--	--	--	--	--	--
	Chloromethane	µg/kg	49	RSL	464,000	BCL	--	--	--	--	961	1	0.1	<0.19	<7.8	0.62 J	0.62 J	0.62	0.62	--	--	RSAU4	0	--
	2-Chlorotoluene	µg/kg	230	RSL	907,000	BCL	--	--	--	--	961	0	0	<0.25	<7.8	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	µg/kg	240	RSL	26,000,000	BCL	--	--	--	--	961	0	0	<0.17	<7.8	--	--	--	--	--	--	--	--	--
	Cumene	µg/kg	740	RSL	10,400,000	BCL	--	--	--	--	961	2	0.2	<0.1	<7.8	0.29 J	0.65 J	0.47	0.47	0.25	0.54	U4U5-74	0	--
	p-Cymene	µg/kg	--	--	655,000	BCL	--	--	--	--	960	3	0.3	<0.13	<7.8	0.55 J	0.77 J	0.68	0.67	0.11	0.17	RISB-59	0	--
	1,2-Dibromo-3-chloropropane	µg/kg	0.086	RSL	64.9	BCL	--	--	--	--	961	0	0	<0.21	<12	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	µg/kg	20	LBCL	43,300	BCL	--	--	--	--	961	1	0.1	<0.12	<7.8	0.90 J+	0.90 J+	0.9	0.9	--	--	RISB-62	0	--
	1,2-Dibromoethane	µg/kg	0.014	RSL	168	BCL	--	--	--	--	866	0	0	<0.15	<7.8	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/kg	2.1	RSL	98,900	BCL	--	--	--	--	961	0	0	<0.16	<7.8	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/kg	900	LBCL	376,000	BCL	--	--	--	--	961	7	0.7	<0.12	<7.8	0.26 J	0.78 J	0.39	0.45	0.17	0.38	RI-25	0	--
	1,3-Dichlorobenzene	µg/kg	--	--	373,000	BCL	--	--	--	--	961	1	0.1	<0.13	<7.8	0.8 J	0.8 J	0.8	0.8	--	--	TSB-CR-01	0	--
	1,4-Dichlorobenzene	µg/kg	100	LBCL	11,500	BCL	--	--	--	--	961	13	1.4	<0.11	<7.8	0.51 J	17	1.9	7	6.9	0.98	SA-19	0	--
	Dichlorodifluoromethane	µg/kg	300	RSL	368,000	BCL	--	--	--	--	961	0	0	<0.25	12 UJ	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethane	µg/kg	1,000	LBCL	15,800	BCL	--	--	--	--	961	1	0.1	<0.071	<7.8	3.0 J	3.0 J	3	3	--	--	SA-8	0	--
	1,2-Dichloroethane	µg/kg	1	LBCL	2,100	BCL	--	--	--	--	961	0	0	<0.067	<7.8	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethene	µg/kg	3	LBCL	1,000,000	BCL	--	--	--	--	961	6	0.6	<0.12	<7.8	0.53 J	1.2 J	0.75	0.77	0.24	0.32	SSAN8-04	0	--
	1,2-Dichloroethene	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.11	<0.6	--	--	--	--	--	--	--	--	--
	cis-1,2-Dichloroethene	µg/kg	20	LBCL	400,000	BCL	--	--	--	--	961	1	0.1	<0.055	<7.8	4.1	4.1	4.1	4.1	--	--	RISB-57	0	--
	trans-1,2-Dichloroethene	µg/kg	30	LBCL	304,000	BCL	--	--	--	--	961	0	0	<0.091	<7.8	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/kg	1	LBCL	11,700	BCL	--	--	--	--	961	0	0	<0.11	<7.8	--	--	--	--	--	--	--	--	--
	1,3-Dichloropropane	µg/kg	1	LBCL	26,000,000	BCL	--	--	--	--	961	0	0	<0.052	<7.8	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	µg/kg	--	--	--	--	--	--	--	--	961	0	0	<0.16	7.8 UJ	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	961	0	0	<0.088	<7.8	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	961	0	0	<0.1	<7.8	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	961	0	0	<0.1	<7.8	--	--	--	--	--	--	--	--	--
	Diisopropyl ether	µg/kg	370	RSL	2,260,000	BCL	--	--	--	--	866	0	0	<0.12	<7.8	--	--	--	--	--	--	--	--	--
	Dimethyl disulfide	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.18	<0.24	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.28	<0.31	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.23	<0.25	--	--	--	--	--	--	--	--	--
	2,4-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	0.19 UJ	<0.21	--	--	--	--	--	--	--	--	--

TABLE 7-1a. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UPPER TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		RZ-A Background[3]		TIMET/BRC Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
VOCs	3,3-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	0.2 UJ	<0.23	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/kg	0.094	RSL	27,200	BCL	--	--	--	--	1	0	0	41 UJ	41 UJ	--	--	--	--	--	--	--	--	--
	Ethanol	mg/kg	--	--	100,000	BCL	--	--	--	--	95	0	0	0.048 UJ	0.22 UJ	--	--	--	--	--	--	--	--	--
	Ethyl benzene	µg/kg	700	LBCL	26,600	BCL	--	--	--	--	925	7	0.8	<0.059	<7.8	0.37 J	2.2 J	0.49	0.91	0.68	0.76	TSB-CR-01	0	--
	Ethyl tert-butyl ether	µg/kg	17	RSL	560,000	RSL	--	--	--	--	866	3	0.3	<0.12	<7.8	0.38 J	2.6 J	1.1	1.4	1.1	0.83	U4U5-76	0	--
	3-Ethylpentane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.21	<0.23	--	--	--	--	--	--	--	--	--
	Freon 113	µg/kg	26,000	RSL	910,000	BCL	--	--	--	--	98	0	0	<0.15	<5.5	--	--	--	--	--	--	--	--	--
	n-Heptane	µg/kg	30	LBCL	220,000	BCL	--	--	--	--	95	0	0	<0.16	<0.18	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/kg	100	LBCL	5,610	BCL	--	--	--	--	866	7	0.8	<0.28	<7.8	0.41 J	4.5 J	1.1	1.7	1.4	0.86	SA-11	0	--
	2-Hexanone	µg/kg	8.8	RSL	1,490,000	BCL	--	--	--	--	961	4	0.4	<0.24	<19	0.66 J	7.1 J	1.4	2.7	3.1	1.1	TSB-FJ-06	0	--
	Iodomethane	µg/kg	--	--	1,370,000	BCL	--	--	--	--	95	0	0	<0.13	<0.29	--	--	--	--	--	--	--	--	--
	Methyl tert-butyl ether	µg/kg	3.2	RSL	217,000	BCL	--	--	--	--	961	4	0.4	<0.09	<7.8	1.1 J	1.4 J	1.4	1.3	0.14	0.11	RIDB-15	0	--
	Methylene Chloride	µg/kg	1	LBCL	1,130,000	BCL	--	--	--	--	960	172	17.9	<0.22	<19	0.25 J	21	0.95	2.5	3.7	1.5	TSB-FJ-02	83	21
	2-Methylhexane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	0.2 UJ	<0.23	--	--	--	--	--	--	--	--	--
	3-Methylhexane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.14	<0.16	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	866	17	2	<0.32	<7.8	0.40 J	2,000 J-	2.1	120	480	4	SSAO8-12	0	--
	2-Nitropropane	µg/kg	0.0025	RSL	278	BCL	--	--	--	--	95	0	0	<0.61	<1.9	--	--	--	--	--	--	--	--	--
	n-Nonyl aldehyde	µg/kg	--	--	--	--	--	--	--	--	95	1	1.1	<0.47	<0.98	3.3 J	3.3 J	3.3	3.3	--	--	TSB-FJ-07	--	--
	4-Methyl-2-pentanone	µg/kg	1,400	RSL	3,360,000	BCL	--	--	--	--	961	4	0.4	<0.29	<16	0.92 J	3.4 J	1.7	1.9	1	0.54	RSAJ7	0	--
	n-Propylbenzene	µg/kg	1,200	RSL	264,000	BCL	--	--	--	--	961	5	0.5	<0.11	<7.8	0.78 J+	1.4 J	1	1	0.22	0.22	TSB-FJ-10	0	--
	Styrene	µg/kg	200	LBCL	867,000	BCL	--	--	--	--	961	2	0.2	0.16 UJ	<7.8	0.28 J	2.9	1.6	1.6	1.9	1.2	U4U5-70	0	--
	1,1,1,2-Tetrachloroethane	µg/kg	0.22	RSL	9,070	BCL	--	--	--	--	961	0	0	<0.14	<7.8	--	--	--	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	µg/kg	0.2	LBCL	2,910	BCL	--	--	--	--	961	0	0	<0.079	<7.8	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	µg/kg	3	LBCL	107,000	BCL	--	--	--	--	961	6	0.6	<0.088	<7.8	0.68 J	4.5	2.4	2.3	1.4	0.62	U4U5-39	1	1.5
	Toluene	µg/kg	600	LBCL	818,000	BCL	--	--	--	--	961	179	18.6	<0.13	<7.8	0.23 J	3.6	0.61	0.76	0.55	0.73	RI-25	0	--
	1,2,3-Trichlorobenzene	µg/kg	21	RSL	151,000	BCL	--	--	--	--	961	6	0.6	<0.35	<7.8	0.81 J	4.8 J	1.6	2.2	1.5	0.71	RSAK7	0	--
	1,2,4-Trichlorobenzene	µg/kg	300	LBCL	125,000	BCL	--	--	--	--	961	13	1.4	<0.33	<7.8	0.65 J	3.7 J	1.3	1.6	0.87	0.56	SA-11	0	--
	1,3,5-Trichlorobenzene	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.38	<0.75	--	--	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	µg/kg	100	LBCL	640,000	BCL	--	--	--	--	961	1	0.1	<0.10	<7.8	0.95 J	0.95 J	0.95	0.95	--	--	SA-8	0	--
	1,1,2-Trichloroethane	µg/kg	0.9	LBCL	5,280	BCL	--	--	--	--	961	0	0	<0.068	<7.8	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/kg	3	LBCL	6,310	BCL	--	--	--	--	961	13	1.4	<0.11	<7.8	0.42 J-	4.0	1.3	1.5	0.94	0.61	U4U5-29	1	1.3
	Trichlorofluoromethane	µg/kg	3,300	RSL	1,230,000	BCL	--	--	--	--	961	8	0.8	<0.16	<7.8	0.35 J	2.7 J	1.6	1.4	0.76	0.55	M-117	0	--
	1,2,3-Trichloropropane	µg/kg	0.00032	RSL	121	BCL	--	--	--	--	961	0	0	<0.25	<7.8	--	--	--	--	--	--	--	--	--
	1,2,4-Trimethylbenzene	µg/kg	81	RSL	219,000	BCL	--	--	--	--	961	49	5.1	<0.14	<7.8	0.33 J	8.6	0.59	1.3	1.7	1.3	TSB-FJ-10	0	--
	1,3,5-Trimethylbenzene	µg/kg	87	RSL	182,000	BCL	--	--	--	--	961	11	1.1	<0.098	<7.8	0.29 J	4.6 J+	1.1	1.5	1.4	0.92	U4U5-74	0	--
	2,2,3-Trimethylbutane	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<0.21	<0.23	--	--	--	--	--	--	--	--	--
	Vinyl acetate	µg/kg	8,000	LBCL	2,750,000	BCL	--	--	--	--	95	0	0	<0.18	<0.25	--	--	--	--	--	--	--	--	--
	Vinyl chloride	µg/kg	0.7	LBCL	1,870	BCL	--	--	--	--	961	1	0.1	<0.11	<7.8	0.28 J	0.28 J	0.28	0.28	--	--	RSAM7	0	--
	m,p-Xylene	µg/kg	--	--	--	--	--	--	--	--	915	22	2.4	<0.17	<7.4	0.64 J	11	1.5	2.5	2.6	1	TSB-CR-01	--	--
	o-Xylene	µg/kg	9,000	LBCL	434,000	BCL	--	--	--	--	915	10	1.1	<0.077	<3.7	0.46 J	4.1 J	0.83	1.3	1.2	0.88	TSB-CR-01	0	--
	Xylenes (total)	µg/kg	10,000	LBCL	260,000	BCL	--	--	--	--	429	7	1.6	<0.23	<16	1.4 J	15	2.8	5.1	5.3	1	TSB-CR-01	0	--
	tert Butyl alcohol	µg/kg	32	RSL	7,270,000	BCL	--	--	--	--	854	14	1.6	<3.4	<37	7.6 J	200	30	54	57	1.1	U4U5-70	5	6.2
SVOCs	Acenaphthene	µg/kg	29,000	LBCL	118,000	BCL	--	--	--	--	958	9	0.9	<0.031	<3,700	1.9 J	140 J	17	32	44	1.4	TSB-GJ-06	0	--
	Acenaphthylene	µg/kg	--	--	44,000	BCL	--	--	--	--	958	16	1.7	<0.024	<3,900	1.1 J	150 J	2.7	18	38	2.1	TSB-GJ-06	0	--
	Acetophenone	µg/kg	580	RSL	2,520,000	BCL	--	--	--	--	95	2	2.1	<34	<37	46 J	62 J	54	54	11	0.21	TSB-FJ-06	0	--
	Aniline	µg/kg	4.6	RSL	619,000	BCL	--	--	--	--	259	0	0	<34	<4,700	--	--	--	--	--	--	--	--	--
	Anthracene	µg/kg	590,000	LBCL	4,260	BCL	--	--	--	--	958	24	2.5	<0.037	<4,500	1.5 J	450	12	36	91	2.5	TSB-GJ-06	0	--
	Azobenzene	µg/kg	0.93	RSL	28,900	BCL	--	--	--	--	95	0	0	<34	<37	--	--	--	--	--	--	--	--	--
	Benzenethiol	µg/kg	11	RSL	1,260,000	BCL	--	--	--	--	95	0	0	<120	<140	--	--	--	--	--	--	--	--	--
	Benzidine	µg/kg	0.00028	RSL	15.3	BCL	--	--	--	--	142	0	0	<170	<37,000	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	µg/kg	80	LBCL	9,980	BCL	--	--	--	--	958	130	13.6	<0.018	<3,900	0.71 J	1,600 J	12	96	250	2.6	RI-25	26	20
	Benzo(a)pyrene	µg/kg	400	LBCL	3,500	BCL	--	--	--	--	956	86	9	<0.021	<3,700	2.1 J	1,400	22	120	250	2.1	SSAP5-03	7	3.5
	Benzo(b)fluoranthene	µg/kg	200	LBCL	35,000	BCL	--	--	--	--	957	111	11.6	<0.035	<3,900	1.4 J	3,300 J	36	220	530	2.4	TSB-FR-02	21	16
	Benzo(g,h,i)perylene	µg/kg	3,900,000	CAL	25,100,000	BCL	--	--	--	--	956	113	11.8	<0.037	<6,100	1.4 J	1,900 J	18	98	250	2.5	TSB-FR-02	0	--
	Benzo(k)fluoranthene	µg/kg	2,000	LBCL	350,000	BCL	--	--	--	--	956	76	7.9	<0.026	<4,300	1.7 J	2,900 J	12	130	410	3.2	TSB-FR-02	1	1.4
	Benzoic acid	µg/kg	20,000	LBCL	100,000,000	BCL	--	--	--	--	262	2	0.8	<34	<19,000	230 J	320 J	280	280	64	0.23	TSB-FR-02	0	--

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Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		RZ-A Background[3]		TIMET/BRC Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
SVOCs	Benzyl alcohol	µg/kg	480	RSL	91,200,000	BCL	--	--	--	--	265	2	0.8	<34	<8,300	94 J	340	220	220	170	0.8	TSB-FJ-06	0	--
	4-Bromophenyl-phenyl ether	µg/kg	--	--	--	--	--	--	--	--	266	0	0	<34	<4,200	--	--	--	--	--	--	--	--	--
	Butylbenzylphthalate	µg/kg	810,000	LBCL	1,860,000	BCL	--	--	--	--	957	18	1.9	<0.072	<4,600	2.8 J	15,000 J	4.9	850	3,500	4.2	DS-C24-1	0	--
	Carbazole	µg/kg	30	LBCL	176,000	BCL	--	--	--	--	96	2	2.1	<34	<370	59 J	68 J	64	64	6.4	0.1	TSB-FR-02	2	2.3
	4-Chloroaniline	µg/kg	30	LBCL	17,600	BCL	--	--	--	--	266	0	0	<34	<7,400	--	--	--	--	--	--	--	--	--
	2-Chloronaphthalene	µg/kg	3,900	RSL	175,000	BCL	--	--	--	--	266	0	0	<34	<3,700	--	--	--	--	--	--	--	--	--
	2-Chlorophenol	µg/kg	200	LBCL	6,490,000	BCL	--	--	--	--	266	0	0	<34	<3,900	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	--	--	--	--	266	0	0	<34	<4,700	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<7.7	<8.4	--	--	--	--	--	--	--	--	--
	4-Chlorothiophenol	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<190	<210	--	--	--	--	--	--	--	--	--
	Chrysene	µg/kg	8,000	LBCL	3,500,000	BCL	--	--	--	--	959	158	16.5	<0.032	<4,200	1.0 J	2,100 J+	22	120	330	2.6	TSB-FR-02	0	--
	Di-n-butylphthalate	µg/kg	270,000	LBCL	91,200,000	BCL	--	--	--	--	957	146	15.3	<0.99	<5,000	32 J	7,500	60	260	890	3.5	SSAP4-01	0	--
	Di-n-octylphthalate	µg/kg	57,000	RSL	9,120,000	BCL	--	--	--	--	957	8	0.8	<0.033	<5,000	70 J	280 J	85	120	78	0.64	TSB-FJ-06	0	--
	Dibenz(a,h)anthracene	µg/kg	80	LBCL	3,500	BCL	--	--	--	--	953	28	2.9	<0.024	<5,600	1.8 J	570 J	29	82	120	1.5	TSB-FR-02	10	7.1
	Dibenzofuran	µg/kg	150	RSL	171,000	BCL	--	--	--	--	266	0	0	<34	<3,700	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/kg	900	LBCL	376,000	BCL	--	--	--	--	1	0	0	<370	<370	--	--	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	µg/kg	--	--	373,000	BCL	--	--	--	--	1	0	0	<370	<370	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	µg/kg	100	LBCL	11,500	BCL	--	--	--	--	1	0	0	<370	<370	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	µg/kg	0.3	LBCL	7,840	BCL	--	--	--	--	266	0	0	<34	<8,300	--	--	--	--	--	--	--	--	--
	2,2'-/4,4'-Dichlorobenzil	µg/kg	--	--	--	--	--	--	--	--	73	0	0	<70	<4,200	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	µg/kg	50	LBCL	2,740,000	BCL	--	--	--	--	266	0	0	<34	<3,700	--	--	--	--	--	--	--	--	--
	Diethylphthalate	µg/kg	6,100	RSL	100,000,000	BCL	--	--	--	--	957	6	0.6	<3.7	<5,300	42 J	540 J	64	180	210	1.1	RI-23	0	--
	2,4-Dimethylphenol	µg/kg	400	LBCL	18,200,000	BCL	--	--	--	--	266	0	0	<34	<7,200	--	--	--	--	--	--	--	--	--
	Dimethylphthalate	µg/kg	87,800	CAL	100,000,000	BCL	--	--	--	--	957	77	8	<0.028	<3,700	1.1 J	790	47	100	150	1.4	BDT-1-S-10	0	--
	2,4-Dinitrophenol	µg/kg	10	LBCL	1,820,000	BCL	--	--	--	--	266	0	0	<330	18,000 UJ	--	--	--	--	--	--	--	--	--
	2,4-Dinitrotoluene	µg/kg	0.04	LBCL	11,400	BCL	--	--	--	--	266	0	0	<34	<4,500	--	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	µg/kg	0.03	LBCL	2,350	BCL	--	--	--	--	266	0	0	<34	<5,300	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/kg	0.094	RSL	27,200	BCL	--	--	--	--	782	0	0	<0.16	<7,100	--	--	--	--	--	--	--	--	--
	Diphenyl disulfide	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<29	<32	--	--	--	--	--	--	--	--	--
	Diphenyl sulfide	µg/kg	--	--	--	--	--	--	--	--	95	0	0	<3.6	<3.9	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	µg/kg	36	RSL	729,000	BCL	--	--	--	--	95	0	0	<6.7	<7.4	--	--	--	--	--	--	--	--	--
	1,2-Diphenylhydrazine	µg/kg	0.25	RSL	4,410	BCL	--	--	--	--	95	0	0	<34	<37	--	--	--	--	--	--	--	--	--
	Fluoranthene	µg/kg	210,000	LBCL	33,500,000	BCL	--	--	--	--	965	144	14.9	<0.046	<3,900	1.7 J	3,000 J	16	140	410	2.9	RI-25	0	--
	Fluorene	µg/kg	28,000	LBCL	93,100	BCL	--	--	--	--	965	2	0.2	<0.021	<3,900	1.1 J	3.2 J	2.2	2.2	1.5	0.69	EE-C24-1	0	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	1017	338	33.2	<0.84	<4,800	1.7 J	300,000	120	4,300	25,000	5.9	SA-127	183	3,000
	Hexachlorobutadiene	µg/kg	100	LBCL	5,610	BCL	--	--	--	--	96	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	Hexachlorocyclopentadiene	µg/kg	20,000	LBCL	7,460	BCL	--	--	--	--	266	0	0	130 UJ	7,400 UJ	--	--	--	--	--	--	--	--	--
	Hexachloroethane	µg/kg	20	LBCL	8,470	BCL	--	--	--	--	266	0	0	<34	<7,400	--	--	--	--	--	--	--	--	--
	Hydroxymethyl phthalimide	µg/kg	--	--	--	--	--	--	--	--	95	2	2.1	44 UJ	48 UJ	120 J	150 J-	140	140	21	0.16	TSB-FJ-06	--	--
	Indeno(1,2,3-cd)pyrene	µg/kg	700	LBCL	35,000	BCL	--	--	--	--	956	93	9.7	<0.028	<7,200	1.0 J	1,900 J	12	100	270	2.6	TSB-FR-02	5	2.7
	Isophorone	µg/kg	30	LBCL	3,710,000	BCL	--	--	--	--	266	0	0	<34	<3,700	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene	µg/kg	6	RSL	121,000	BCL	--	--	--	--	187	11	5.9	<0.26	<8,300	0.62 J	400 J	14	56	120	2.1	EE-C18-1	7	67
	2-Methylnaphthalene	µg/kg	190	RSL	368,000	BCL	--	--	--	--	965	13	1.3	<0.017	<3,900	1.5 J	210	6.8	31	60	1.9	EE-C24-1	1	1.1
	2-Methylphenol	µg/kg	800	LBCL	45,600,000	BCL	--	--	--	--	266	0	0	<63	<4,500	--	--	--	--	--	--	--	--	--
	3&4-Methylphenol	µg/kg	300	RSL	16,000,000	RSL	--	--	--	--	265	0	0	67 UJ	<7,400	--	--	--	--	--	--	--	--	--
	4-Methylphenol	µg/kg	--	--	18,200,000	BCL	--	--	--	--	1	0	0	<370	<370	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	965	39	4	<0.33	<3,700	1.0 J	250 J	1.4	14	48	3.5	SSAO8-12	0	--
	2-Nitroaniline	µg/kg	80	RSL	8,840,000	BCL	--	--	--	--	266	0	0	<34	<3,700	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	µg/kg	--	--	--	--	--	--	--	--	266	0	0	<34	<7,400	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	µg/kg	1.6	RSL	176,000	BCL	--	--	--	--	266	0	0	<100	<7,400	--	--	--	--	--	--	--	--	--
	Nitrobenzene	µg/kg	7	LBCL	22,500	BCL	--	--	--	--	957	0	0	<0.054	<3,900	--	--	--	--	--	--	--	--	--
	2-Nitrophenol	µg/kg	--	--	--	--	--	--	--	--	266	0	0	<34	<7,400	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	µg/kg	--	--	7,290,000	BCL	--	--	--	--	266	0	0	<140	7,800 UJ	--	--	--	--	--	--	--	--	--
	n-Nitrosodiphenylamine	µg/kg	60	LBCL	720,000	BCL	--	--	--	--	266	0	0	<34	<4,500	--	--	--	--	--	--	--	--	--
	Octachlorostyrene	µg/kg	--	--	--	--	--	--	--	--	953	130	13.6	<0.12	<130,000	2.1 J	21,000 J	77	480	2,100	4.3	RSAJ6	--	--
	Pentachlorobenzene	µg/kg	24	RSL	18,600	BCL	--	--	--	--	95	0	0	<34	<37	--	--	--	--	--	--	--	--	--

TABLE 7-1a. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UPPER TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		RZ-A Background[3]		TIMET/BRC Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
SVOCs	Pentachlorophenol	µg/kg	1	LBCL	8,450	BCL	--	--	--	--	265	0	0	<270	<19,000	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/kg	139	CAL	24,500	BCL	--	--	--	--	959	115	12	<0.058	<3,700	1.7 J	1,100	7.3	65	180	2.8	TSB-FR-02	12	7.9
	Phenol	µg/kg	5,000	LBCL	100,000,000	BCL	--	--	--	--	266	2	0.8	<34	<5,000	130 J	440	280	280	220	0.77	TSB-FJ-06	0	--
	Phthalic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	150	3	2	250 UJ	<70,000	290 J	760 J	400	480	250	0.51	TSB-FJ-06	0	--
	Pyrene	µg/kg	210,000	LBCL	44,000	BCL	--	--	--	--	958	178	18.6	<0.031	<4,500	1.1 J	1,900	14	93	250	2.7	TSB-FR-02	0	--
	Pyridine	µg/kg	6.8	RSL	1,300,000	BCL	--	--	--	--	957	0	0	<0.82	<14,000	--	--	--	--	--	--	--	--	--
	1,2,4,5-Tetrachlorobenzene	µg/kg	0.79	RSL	7,990	BCL	--	--	--	--	95	0	0	<34	<37	--	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	µg/kg	14,000	LBCL	91,200,000	BCL	--	--	--	--	266	0	0	<34	<7,200	--	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	µg/kg	8	LBCL	321,000	BCL	--	--	--	--	266	0	0	<34	<4,200	--	--	--	--	--	--	--	--	--
	bis(2-Chloro-1-methylethyl) ether	µg/kg	260	RSL	1,020,000	BCL	--	--	--	--	96	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethoxy)methane	µg/kg	13	RSL	2,740,000	BCL	--	--	--	--	266	0	0	<34	<7,400	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	µg/kg	0.02	LBCL	1,150	BCL	--	--	--	--	266	0	0	<34	<3,900	--	--	--	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	µg/kg	180,000	LBCL	252,000	BCL	--	--	--	--	957	164	17.1	<4.0	<5,000	40 J	61,000	98	540	4,800	8.8	SSAP4-01	0	--
	bis(4-Chlorophenyl) disulfide	µg/kg	--	--	--	--	--	--	--	--	95	0	0	200 UJ	<230	--	--	--	--	--	--	--	--	--
	bis(4-Chlorophenyl) sulfone	µg/kg	65	RSL	729,000	BCL	--	--	--	--	95	0	0	<330	<370	--	--	--	--	--	--	--	--	--
	4,6-Dinitro-2-methylphenol	µg/kg	2.6	RSL	72,900	BCL	--	--	--	--	1	0	0	<740	<740	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	µg/kg	1,700	RSL	91,200,000	BCL	--	--	--	--	266	0	0	<34	<3,900	--	--	--	--	--	--	--	--	--
	n-Nitroso-di-n-propylamine	µg/kg	0.002	LBCL	504	BCL	--	--	--	--	266	0	0	<34	<3,900	--	--	--	--	--	--	--	--	--
PAHs	Acenaphthene	µg/kg	29,000	LBCL	118,000	BCL	--	--	--	--	201	5	2.5	<0.50	<220	0.62 J	520	230	230	230	1	TSB-FR-02	0	--
	Acenaphthylene	µg/kg	--	--	44,000	BCL	--	--	--	--	201	10	5	<0.35	<220	0.66 J	170	26	43	53	1.2	TSB-GJ-08	0	--
	Anthracene	µg/kg	590,000	LBCL	4,260	BCL	--	--	--	--	201	10	5	<0.47	<220	0.55 J	170 J	9.8	31	52	1.7	EE-C18-1	0	--
	Benzo(a)anthracene	µg/kg	80	LBCL	9,980	BCL	--	--	--	--	201	33	16.4	<1.2	<220	0.79 J	1,500	19	180	350	1.9	RI-25	11	19
	Benzo(a)pyrene	µg/kg	400	LBCL	3,500	BCL	--	--	--	--	200	29	14.5	<0.48	220 UJ	1.5 J	1,300	29	210	390	1.9	RI-25	5	3.2
	Benzo(b)fluoranthene	µg/kg	200	LBCL	35,000	BCL	--	--	--	--	200	42	21	<2	220 UJ	1.3 J	2,400	22	270	570	2.1	RI-25	9	12
	Benzo(g,h,i)perylene	µg/kg	3,900,000	CAL	25,100,000	BCL	--	--	--	--	200	31	15.5	<1.2	220 UJ	5.0 J	1,400	17	200	360	1.8	RI-25	0	--
	Benzo(k)fluoranthene	µg/kg	2,000	LBCL	350,000	BCL	--	--	--	--	200	27	13.5	<0.91	220 UJ	1.6 J	1,100 J	33	200	330	1.6	DS-C24-1	0	--
	Chrysene	µg/kg	8,000	LBCL	3,500,000	BCL	--	--	--	--	200	43	21.5	<1.1	<220	1.2 J	2,400	21	240	530	2.2	EE-C18-1	0	--
	Dibenz(a,h)anthracene	µg/kg	80	LBCL	3,500	BCL	--	--	--	--	201	17	8.5	<1.3	220 UJ	3.3 J	350	97	120	110	0.92	TSB-FJ-06	9	4.4
	Fluoranthene	µg/kg	210,000	LBCL	33,500,000	BCL	--	--	--	--	194	39	20.1	<4.0	<220	2.2 J	2,700	27	220	530	2.5	RI-25	0	--
	Fluorene	µg/kg	28,000	LBCL	93,100	BCL	--	--	--	--	194	2	1	<0.53	<220	0.52 J	1.0 J	0.76	0.76	0.34	0.45	CS-C10B-1	0	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	12	2	16.7	<6.9	<22	10	21	16	16	7.8	0.5	SA-5	0	--
	Indeno(1,2,3-cd)pyrene	µg/kg	700	LBCL	35,000	BCL	--	--	--	--	200	35	17.5	<0.57	220 UJ	1.2 J	1,600	14	170	350	2	RI-25	4	2.3
	2-Methylnaphthalene	µg/kg	190	RSL	368,000	BCL	--	--	--	--	24	9	37.5	<0.47	<22	0.77 J	580 J	27	84	190	2.2	EE-C18-1	1	3.1
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	194	18	9.3	<0.33	<220	1.2 J	160 J	9.2	20	37	1.8	EE-C18-1	0	--
	Pentachlorophenol	µg/kg	1	LBCL	8,450	BCL	--	--	--	--	1	0	0	<22	<22	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/kg	139	CAL	24,500	BCL	--	--	--	--	200	28	14	<1.7	<220	1.9 J	670	29	110	190	1.8	RI-25	6	4.8
	Pyrene	µg/kg	210,000	LBCL	44,000	BCL	--	--	--	--	201	42	20.9	<3	<42	1.7 J	4,200	22	340	810	2.4	EE-C18-1	0	--
PCBs	Aroclor-1016	µg/kg	21	RSL	45,200	BCL	--	--	--	--	147	0	0	<5	<190	--	--	--	--	--	--	--	--	--
	Aroclor-1221	µg/kg	0.08	RSL	1,280	BCL	--	--	--	--	147	0	0	<5	<430	--	--	--	--	--	--	--	--	--
	Aroclor-1232	µg/kg	0.08	RSL	1,060	BCL	--	--	--	--	147	0	0	<5	<190	--	--	--	--	--	--	--	--	--
	Aroclor-1242	µg/kg	1.2	RSL	1,550	BCL	--	--	--	--	147	0	0	<5	<290	--	--	--	--	--	--	--	--	--
	Aroclor-1248	µg/kg	1.2	RSL	1,560	BCL	--	--	--	--	147	2	1.4	<5	<190	74 J	91 J	82	82	12	0.15	RSAS5	2	76
	Aroclor-1254	µg/kg	2	RSL	1,600	BCL	--	--	--	--	147	3	2	<2.7	<190	200	760 J+	290	420	300	0.72	TSB-FR-02	3	380
	Aroclor-1260	µg/kg	5.5	RSL	1,650	BCL	--	--	--	--	304	17	5.6	<2.7	<340	21 J	510 J+	61	130	140	1.1	SA-33	17	93
	Aroclor-1262	µg/kg	--	--	--	--	--	--	--	--	1	0	0	<33	<33	--	--	--	--	--	--	--	--	--
	Aroclor-1268	µg/kg	--	--	--	--	--	--	--	--	1	0	0	<33	<33	--	--	--	--	--	--	--	--	--
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	15	RSL	26.7	BCL	--	--	--	--	932	569	61.1	<0.0023	<1,400	0.0284 JK	2,100 J	2.4	34	160	4.7	SA-127	117	140
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	25	CAL	--	--	--	--	--	--	932	595	63.8	<0.0055	<1,300	0.0385 JK	6,400 J	6.1	100	480	4.7	SA-127	173	260
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	--	--	--	--	--	--	932	624	67	<0.0041	<340	0.026 J	5,300	4.1	80	390	4.9	SA-127	18	13
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	--	--	--	--	--	--	932	753	80.8	<0.021	<310	0.049 J	10,000	4.1	130	710	5.3	SA-127	35	24
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	581	BCL	--	--	--	--	932	762	81.8	<0.020	<270	0.061 J	9,600 J	3.6	120	670	5.5	SA-127	29	23
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	6,960	CAL	--	--	--	--	--	--	932	818	87.8	<0.053	<350	0.086 JK	36,000 J	12	440	2,400	5.6	SA-127	13	5.2
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	pg/g	388,000	CAL	--	--	--	--	--	--	932	867	93	<0.16	<920	0.22 J	38,000	20	510	2,700	5.2	SA-127	0	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/g	84.1	CAL	--	--	--	--	--	--	932	827	88.7	<0.022	<4.7	0.029 J	47,000 J	15	690	3,700	5.3	SA-127	267	560
	1,2,3,7,8-Pentachlorodibenzofuran	pg/g	466	CAL	--	--	--	--	--	--	932	798	85.6	<0.014	<8.7	0.081 J	92,000	29	1,200	6,600	5.7	SA-127	154	200
	2,3,4,7,8-Pentachlorodibenzofuran	pg/g	46.6	CAL	--	--	--	--	--	--	932	746	80	<0.014	<24	0.0763 JK	49,000 J	20	650	3,600	5.5	SA-127	295	1,100

TABLE 7-1a. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UPPER TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		RZ-A Background[3]		TIMET/BRC Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	932	842	90.3	<0.014	<20	0.045 J	198,000	44	2,400	14,000	5.8	RSAJ6	274	850
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	932	828	88.8	<0.013	<5.4	0.028 JK	130,000	33	1,700	10,000	6	RSAJ6	228	560
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	932	721	77.4	<0.022	<900	0.042 JK	28,000	8.7	360	2,100	6	SA-127	87	120
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	932	761	81.7	<0.0084	<9.7	0.036 J	69,000	11	490	3,300	6.8	RSAJ6	124	300
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	3,900	CAL	--	--	--	--	--	--	932	884	94.8	0.031 UJ	<5.3	0.035 J	500,000 J	86	5,800	37,000	6.4	SA-127	108	130
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	3,900	CAL	--	--	--	--	--	--	932	822	88.2	<0.016	<5.4	0.053 J	210,000 J	52	2,700	17,000	6.2	SA-127	53	54
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	pg/g	218,000	CAL	--	--	--	--	--	--	931	873	93.8	<0.11	<11	0.16 J	1,400,000	250	17,000	100,000	6.1	SA-127	15	6.4
	Total Dioxin/Furan TEQ (Calculated)	pg/g	--	--	2,700	SS	--	--	--	--	687	685	99.7	<0.00001	<0.00001	0.00036	73,000	19	1,000	6,100	5.9	SA-127	25	27
Pesticides - OCPs	Aldrin	µg/kg	20	LBCL	205	BCL	--	--	--	--	599	3	0.5	<0.070	<220	0.49 J+	13 J+	0.52	4.7	7.2	1.5	RIDB-25	0	--
	alpha-BHC	µg/kg	26.6	LBCL	274,000	BCL	--	--	--	--	600	28	4.7	0.097 UJ	<230	0.24 J+	59	2	8.4	17	2	RSAJ6	3	2.2
	beta-BHC	µg/kg	5.45	LBCL	54,700	BCL	--	--	--	--	600	276	46	<0.25	<4,600	0.72 J	1,300 J	13	51	130	2.6	EE-E08A-1	184	240
	delta-BHC	µg/kg	58.3	LBCL**	333,000	BCL	--	--	--	--	599	7	1.2	0.084 UJ	<170	0.48 J+	1.5 J	0.59	0.79	0.38	0.48	SA-86	0	--
	gamma-BHC	µg/kg	0.5	LBCL	11,100	BCL	--	--	--	--	600	4	0.7	0.084 UJ	<180	0.83 J+	13 J+	1.6	4.3	5.8	1.4	TSB-CJ-05	4	26
	Chlordane (technical)	µg/kg	500	LBCL	9,780	BCL	--	--	--	--	1	0	0	<110	<110	--	--	--	--	--	--	--	--	--
	Chlordane (total)	µg/kg	--	--	--	--	--	--	--	--	410	1	0.2	0.21 UJ	<1,400	3.0 J	3.0 J	3	3	--	--	SA-66	--	--
	alpha-Chlordane	µg/kg	490	RSL	500,000	RSL	--	--	--	--	599	0	0	<0.1	<210	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	µg/kg	1,400	RSL	500,000	RSL	--	--	--	--	599	7	1.2	<0.084	<61	1.4 J	31	4	8	10	1.3	SA-107	0	--
	2,4'-DDD	µg/kg	--	--	--	--	--	--	--	--	95	4	4.2	<0.11	<12	1.8 J	6.6 J	2.7	3.4	2.2	0.63	TSB-CR-07	--	--
	4,4'-DDD	µg/kg	800	LBCL	14,700	BCL	--	--	--	--	599	21	3.5	<0.09	<270	1.4 J+	46 J+	4.6	9.4	11	1.2	RIDB-8	0	--
	2,4'-DDE	µg/kg	3,000	*LBCL	--	--	--	--	--	--	269	55	20.4	0.09 UJ	8.3 UJ	1.6 J	85 J	5.8	14	18	1.3	TSB-CJ-05	0	--
	4,4'-DDE	µg/kg	3,000	LBCL	10,300	BCL	--	--	--	--	600	240	40	<0.078	<230	0.29 J	6,000	12	180	670	3.7	SSAM3-01	4	2
	4,4'-DDT	µg/kg	2,000	LBCL	10,600	BCL	--	--	--	--	600	195	32.5	<0.17	<420	0.66 J	2,300	9.5	76	220	2.9	SSAM2-01	1	1.1
	Dieldrin	µg/kg	0.2	LBCL	220	BCL	--	--	--	--	599	4	0.7	0.073 UJ	<95	0.27 J	59 J	16	23	28	1.2	SSAM2-01	4	300
	Endosulfan I	µg/kg	--	--	--	--	--	--	--	--	599	2	0.3	0.084 UJ	<54	0.24 J+	1.5 J	0.87	0.87	0.89	1	SSAL3-01	--	--
	Endosulfan II	µg/kg	--	--	--	--	--	--	--	--	599	0	0	<0.091	<100	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	µg/kg	2,100	RSL	4,900,000	RSL	--	--	--	--	599	2	0.3	<0.090	<96	4.2	16 J+	10	10	8.3	0.83	BDT-4-S-15	0	--
	Endrin	µg/kg	50	LBCL	274,000	BCL	--	--	--	--	599	2	0.3	<0.084	<110	0.70 J	5.4	3.1	3.1	3.3	1.1	SA-180	0	--
	Endrin aldehyde	µg/kg	--	--	--	--	--	--	--	--	599	3	0.5	<0.11	<110	2.9 J	20 J	6.8	9.9	9	0.91	TSB-FJ-06	--	--
	Endrin ketone	µg/kg	--	--	--	--	--	--	--	--	599	10	1.7	<0.12	<350	0.61 J	20 J	1.2	3.5	5.9	1.7	SA-86	--	--
	Heptachlor	µg/kg	1,000	LBCL	696	BCL	--	--	--	--	598	1	0.2	<0.088	<200	930 J	930 J	930	930	--	--	EE-E08A-1	1	1.3
	Heptachlor epoxide	µg/kg	30	LBCL	366	BCL	--	--	--	--	599	0	0	<0.11	<120	--	--	--	--	--	--	--	--	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	321	226	70.4	<0.28	<30	0.32 J	220,000 J	14	1,800	16,000	8.8	RSAJ7	51	2,200
	Methoxychlor	µg/kg	8,000	LBCL	4,560,000	BCL	--	--	--	--	599	24	4	<0.26	<1,400	0.50 J	380	4.8	46	100	2.2	SSAM2-01	0	--
	2,4,5-TP	µg/kg	28	RSL	7,290,000	BCL	--	--	--	--	3	0	0	<21	<25	--	--	--	--	--	--	--	--	--
	Toxaphene	µg/kg	2,000	LBCL	3,210	BCL	--	--	--	--	599	2	0.3	<5.9	<21,000	120 J	620 J	370	370	350	0.96	SSAL3-04	0	--
Pesticides - OPPs	Atrazine	µg/kg	1.9	RSL	15,300	BCL	--	--	--	--	39	0	0	<12	<150	--	--	--	--	--	--	--	--	--
	Chlorpyrifos	µg/kg	120	RSL	912,000	BCL	--	--	--	--	102	0	0	<6.2	<82	--	--	--	--	--	--	--	--	--
	Coumaphos	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<2.7	<37	--	--	--	--	--	--	--	--	--
	Dasanit	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<7.8	<100	--	--	--	--	--	--	--	--	--
	Demeton (O + S)	µg/kg	--	--	36,500	BCL	--	--	--	--	39	0	0	<7.2	<96	--	--	--	--	--	--	--	--	--
	Demeton-O	µg/kg	--	--	--	--	--	--	--	--	94	0	0	<5.1	<67	--	--	--	--	--	--	--	--	--
	Demeton-S	µg/kg	--	--	--	--	--	--	--	--	94	0	0	<4.7	<62	--	--	--	--	--	--	--	--	--
	Diazinon	µg/kg	65	RSL	638,000	BCL	--	--	--	--	102	0	0	<7.0	<93	--	--	--	--	--	--	--	--	--
	Dichlorovos	µg/kg	0.081	RSL	12,200	BCL	--	--	--	--	102	0	0	<7.1	<94	--	--	--	--	--	--	--	--	--
	Dimethoate	µg/kg	9.9	RSL	2,010,000	BCL	--	--	--	--	102	4	3.9	6.8 UJ	<90	9.1 J	13 J	12	11	1.7	0.15	SA-5	3	1.3
	Disulfoton	µg/kg	0.94	RSL	36,500	BCL	--	--	--	--	102	0	0	<7.4	<98	--	--	--	--	--	--	--	--	--
	EPN	µg/kg	2.8	RSL	9,120	BCL	--	--	--	--	102	0	0	<3.5	<47	--	--	--	--	--	--	--	--	--
	Ethoprop	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<4.7	<63	--	--	--	--	--	--	--	--	--
	Famphur	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<3.1	<41	--	--	--	--	--	--	--	--	--
	Fenthion	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<8.4	<110	--	--	--	--	--	--	--	--	--
	Guthion	µg/kg	17	RSL	2,740,000	BCL	--	--	--	--	102	0	0	<3.4	<45	--	--	--	--	--	--	--	--	--
	Malathion	µg/kg	100	RSL	18,200,000	BCL	--	--	--	--	102	0	0	<4.5	<59	--	--	--	--	--	--	--	--	--
	Merphos	µg/kg	59	RSL	1,030	BCL	--	--	--	--	102	0	0	<4.9	<65	--	--	--	--	--	--	--	--	--
	Methyl parathion	µg/kg	7.4	RSL	228,000	BCL	--	--	--	--	102	0	0	<6.1	<81	--	--	--	--	--	--	--	--	--
	Mevinphos	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<4.4	<59	--	--	--	--	--	--	--	--	--
	Naled	µg/kg	18	RSL	1,290	BCL	--	--	--	--	94	0	0	<22	<290	--	--	--	--	--	--	--	--	--

TABLE 7-1a. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UPPER TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		RZ-A Background[3]		TIMET/BRC Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Pesticides - OPPs	Parathion	µg/kg	430	RSL	5,470,000	BCL	--	--	--	--	102	0	0	<5.1	<67	--	--	--	--	--	--	--	--	--
	Phorate	µg/kg	3.4	RSL	182,000	BCL	--	--	--	--	102	0	0	<5.5	<73	--	--	--	--	--	--	--	--	--
	Propazine	µg/kg	300	RSL	18,200,000	BCL	--	--	--	--	8	0	0	<8.3	<8.8	--	--	--	--	--	--	--	--	--
	Prothiophos	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<3.8	<50	--	--	--	--	--	--	--	--	--
	Ronnel	µg/kg	3,700	RSL	26,800	BCL	--	--	--	--	102	0	0	<15	<190	--	--	--	--	--	--	--	--	--
	Simazine	µg/kg	2	RSL	29,400	BCL	--	--	--	--	38	0	0	<21	<280	--	--	--	--	--	--	--	--	--
	Stirophos	µg/kg	8.2	RSL	147,000	BCL	--	--	--	--	94	1	1.1	<4.2	<55	41	41	41	41	--	--	SA-166	1	5
	Sulfotepp	µg/kg	5.2	RSL	456,000	BCL	--	--	--	--	102	0	0	<6.0	<80	--	--	--	--	--	--	--	--	--
	Sulprofos	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<4.1	<54	--	--	--	--	--	--	--	--	--
	Thionazin	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<5.4	<74	--	--	--	--	--	--	--	--	--
	Trichloronate	µg/kg	--	--	--	--	--	--	--	--	102	0	0	<6.0	<80	--	--	--	--	--	--	--	--	--
Petroleum Indicators	Gasoline Range Organics	mg/kg	--	--	--	--	--	--	--	--	160	1	0.6	<0.10	<12	0.13	0.13	0.13	0.13	--	--	SA-8	--	--
	Diesel Range Organics	mg/kg	--	--	--	--	--	--	--	--	362	55	15.2	<2.5	<49	2.7 J	6,600	34	360	1,200	3.2	RISB-12	--	--
	Petroleum Hydrocarbons	mg/kg	--	--	--	--	--	--	--	--	362	58	16	<2.5	<530	2.6 J	800	42	99	170	1.8	RISB-59	--	--
	Extractable Fuel Hydrocarbons	mg/kg	--	--	--	--	--	--	--	--	71	62	87.3	<2.5	<2.7	2.7 J	8,100	8	200	1,000	5.2	RISB-12	--	--
	Ethanol	mg/kg	--	--	100,000	BCL	--	--	--	--	23	0	0	<1	60 UJ	--	--	--	--	--	--	--	--	--
	Ethylene glycol	mg/kg	3.2	RSL	100,000	BCL	--	--	--	--	18	0	0	<42	60 UJ	--	--	--	--	--	--	--	--	--
	Methanol	mg/kg	4.1	RSL	100,000	BCL	--	--	--	--	18	5	27.8	<1	60 UJ	0.72 JZ	47 Z	3.7	12	20	1.6	M-117	2	11
Other Organics	Acetic acid	µg/kg	--	--	--	--	--	--	--	--	8	0	0	<1,300	<1,600	--	--	--	--	--	--	--	--	--
	Benzenesulfonic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	39	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	Butyric acid	µg/kg	--	--	--	--	--	--	--	--	8	0	0	<1,400	<1,700	--	--	--	--	--	--	--	--	--
	4-Chlorobenzenesulfonic acid	µg/kg	70	LBCL	91,200,000	BCL	--	--	--	--	39	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	Diethylphosphorodithioate	µg/kg	--	--	100,000,000	BCL	--	--	--	--	39	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	o,o-Dimethyl Phosphorodithioate	µg/kg	--	--	100,000,000	BCL	--	--	--	--	39	0	0	<1,300	<1,300	--	--	--	--	--	--	--	--	--
	Formaldehyde	µg/kg	0.078	RSL	55,400	BCL	--	--	--	--	3	3	100	--	--	61 J	89 J	63	71	16	0.22	SA-85	3	1,100
	Formic acid	µg/kg	0.13	RSL	122,000	BCL	--	--	--	--	8	0	0	<1,900	<2,300	--	--	--	--	--	--	--	--	--
	Lactic acid	µg/kg	--	--	--	--	--	--	--	--	8	0	0	<2,600	<3,100	--	--	--	--	--	--	--	--	--
	Phthalic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	39	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	Propionic acid	µg/kg	--	--	--	--	--	--	--	--	8	0	0	<1,500	<1,800	--	--	--	--	--	--	--	--	--
	Pyruvic acid	µg/kg	--	--	--	--	--	--	--	--	8	0	0	2,100 UJ	2,600 UJ	--	--	--	--	--	--	--	--	--

Notes:

1. Leaching-based soil screening levels (LSSLs) are calculated with a dilution attenuation factor (DAF) of 1.
   LBCL: Leaching-based Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for soil leaching, USEPA 2023.
   CAL: Where no other screening level is available, LSSLs were calculated as described in Appendix G.
   LBCL*: The perchlorate LBCL calculated by NDEP has been recalculated using the federal preliminary remediation goal of 15 µg/l.
   LBCL**: The LBCL for delta-BHC calculated by NDEP has been recalculated using a soil-water partition coefficient adjusted for the fraction of organic carbon in soil (See Table G-1).
   *LBCL: The LBCL for 4,4'-DDE was used as a surrogate LSSL for 2,4'-DDE
2. Health-based soil screening levels (HSSLs).
   SS: Site-specific values for Arsenic and Dioxin/Furan Toxicity Equivalence (TEQ) (see Appendix G text).
   BCL: Lowest level among all available indoor and outdoor industrial worker Basic Comparison Levels (BCLs), NDEP 2023.
   RSL: Regional Screening Levels for industrial soil, USEPA 2023.
3. Screening level (SL) is the lower of the LSSL and HSSL if both are available.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.

[2] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.

[3] NDEP. 2010. NDEP Response to Background Issues and Determination of Background Dataset for TRX. August 17.

[4] TIMET/BRC. 2007. Background Shallow Soil Summary Report, BMI Complex and Common Areas Vicinity.

	Detected at a rate of 5% or less, fewer than 10 samples exceeded the screening level, and the maximum concentration less than a factor of 20 above the screening level.
	Detected at a rate of 5% or less with no applicable screening level.
	No detections*, or maximum detected concentration is below leaching and health screening levels (if available).
	Essential Nutrient, macronutrient or salt.
	Individual VOCs were used to evaluate the nature and extent of impacts in soil from these compounds.

*All detections of methanol are from the 2006 Upgradient Investigation and were qualified with a Z flag as likely false positives due to cross-contamination.

TABLE 7-1b. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED ALLUVIUM BELOW TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
General Chemistry	Ammonia	mg/kg	--	--	27,900	BCL	--	--	--	--	571	121	21.2	<0.061	7.5 UJ	0.097 J	2,300	3.5	62	330	5.2	RISB-05	0	--
	Bicarbonate as HCO_3	mg/kg	--	--	--	--	--	--	--	--	87	87	100	--	--	2,100	210,000	45,000	49,000	41,000	0.83	RISB-63	--	--
	Bromide	mg/kg	103	LBCL	--	--	--	--	--	--	592	137	23.1	<0.065	<29.5	0.5 J	92.0	1.5	4.8	11	2.3	SA-4	0	--
	Carbonate as CO_3	mg/kg	--	--	--	--	--	--	--	--	486	305	62.8	<0.689	<410	3 J	2,400	19	240	440	1.8	RISB-62	--	--
	Chlorate	mg/kg	1.03	LBCL	38,900	BCL	--	--	--	--	894	732	81.9	<0.0244	<11.4	0.051 J	74,000	3.8	360	3,100	8.6	M-191	530	72,000
	Chloride	mg/kg	--	--	--	--	--	--	--	--	598	581	97.2	<0.21	<4.69	0.93 J	13,300 J	140	400	970	2.4	SA-161	--	--
	Chlorite	mg/kg	--	--	38,900	BCL	--	--	--	--	54	1	1.9	<0.040	<0.80	0.25 J-	0.25 J-	0.25	0.25	--	--	TSB-FJ-06	0	--
	Cyanide (total)	mg/kg	2	LBCL	164	BCL	--	--	--	--	322	3	0.9	<0.13	<0.7	0.47 J	0.90	0.6	0.66	0.22	0.34	RSAR4	0	--
	Fluoride	mg/kg	600	RSL	51,900	BCL	--	--	--	--	79	48	60.8	<0.25	4.0 UJ	0.28 J	8.2	1.2	1.5	1.3	0.85	TSB-CJ-09	0	--
	Hydroxide	mg/kg	--	--	--	--	--	--	--	--	87	0	0	<45	<250	--	--	--	--	--	--	--	--	--
	Nitrate (as NO_3)	mg/kg	31	LBCL	100,000	BCL	--	--	--	--	825	714	86.5	<0.19	<890	0.58 J	2,700 J	14	41	150	3.6	SA-167	176	86
	Nitrate Nitrite as N	mg/kg	--	--	--	--	--	--	--	--	209	165	78.9	<1.1	<6.9	1.1 J-	250 J-	3.7	9.2	24	2.6	RIDB-3	--	--
	Nitrite	mg/kg	--	--	120,000	RSL	--	--	--	--	705	94	13.3	<0.001	<10.7	0.056 J	35	0.33	1.5	4.7	3.2	RIDB-34	0	--
	Perchlorate	mg/kg	0.0155	LBCL[a]	908	BCL	--	--	--	--	1466	1389	94.7	<0.0019	<0.17	0.0057 J	22,000 J	4.6	240	1,300	5.2	U4U5-41	1388	1,400,000
	ortho-Phosphate	mg/kg	--	--	--	--	--	--	--	--	181	24	13.3	<0.53	<5.9	1.4 J	7,760 J	6.3	340	1,600	4.7	SA-11	--	--
	Sulfate	mg/kg	--	--	--	--	--	--	--	--	694	693	99.9	<0.52	<0.52	3.5 J	22,700	300	2,900	5,600	1.9	SA-148	--	--
Metals	Aluminum	mg/kg	50,100	LBCL	100,000	BCL	3,190	27,000	5,060 J	15,100 J	662	662	100	--	--	3,430 J	27,800	8,800	9,300	3,000	0.32	RSAJ2	0	--
	Antimony	mg/kg	0.3	LBCL	3,450	BCL	0.066 J-	0.34 J-	0.089 J-	0.22 J-	800	285	35.6	0.05 UJ	2.3 UJ	0.076 J-	2.5 J-	0.7	0.73	0.58	0.8	SA-190	162	8.3
	Arsenic	mg/kg	1	LBCL	7.2	SS	2.1	45	2.2	13.1	857	857	100	--	--	0.57 J	78.9	4.9	8.4	8.7	1	EE-D25A-2	856	79
	Barium	mg/kg	82	LBCL	100,000	BCL	24	690	84.7 J+	539	810	810	100	--	--	23.8	1,700 J	160	160	100	0.65	SA-207	726	21
	Beryllium	mg/kg	3	LBCL	6,130	BCL	0.17	1.1	0.29	0.67	526	526	100	--	--	0.073 J	1.19	0.46	0.47	0.12	0.26	SA-202	0	--
	Boron	mg/kg	21.4	LBCL	100,000	BCL	<2.82	33	<2.82	7.6 J	810	770	95.1	<3.53	<35.3	1.2 J	645	10	16	36	2.3	SA-144	109	30
	Cadmium	mg/kg	0.4	LBCL	8,180	BCL	<0.01	0.2	<0.01	0.13	810	402	49.6	<0.0125	<2.7	0.036 J	1.1	0.14	0.18	0.15	0.8	RI-10	43	2.8
	Calcium	mg/kg	--	--	--	--	4,190 J	38,600 J	10,700 J	46,600 J	526	526	100	--	--	2,440	264,000 J	30,000	35,000	25,000	0.71	RSAI2	--	--
	Chromium (total)	mg/kg	180,000	RSL	--	--	2.9	56 J+	7.1	16.6	1437	1437	100	--	--	1.31 J	760	17	25	42	1.6	U4U5-21	0	--
	Chromium VI	mg/kg	2	LBCL	117	BCL	<0.16	1.3	<0.16	1.6 J	1361	398	29.2	<0.062	<0.86	0.11 J	590	0.98	14	46	3.4	M-191	153	300
	Cobalt	mg/kg	0.453	LBCL	385	BCL	1.6	17	5.3 J	10.8 J	812	812	100	--	--	1.4	110 J+	6.5	6.7	5.3	0.79	RISB-63	812	240
	Copper	mg/kg	45.8	LBCL	51,900	BCL	4.1	27	8.8 J+	24	806	806	100	--	--	6	140 J	17	18	9.3	0.53	M-116	9	3.1
	Iron	mg/kg	589	LBCL	100,000	BCL	3,620	26,000	11,200	22,500 J	810	810	100	--	--	4,470	45,600	14,000	14,000	3,900	0.28	SA-147	810	77
	Lead	mg/kg	14	RSL	800	BCL	4.4 J-	16.1	4.9	15.8 J	834	833	99.9	<2.3	<2.3	2.0	110	7.5	8.1	4.6	0.57	RI-10	22	7.9
	Lithium	mg/kg	20	LBCL	2,600	BCL	18.3	189	<1.46	124	70	58	82.9	<1.4628	<32.85	8.2	73.5 J-	18	20	12	0.58	TSB-GJ-08	24	3.7
	Magnesium	mg/kg	889	LBCL	100,000	BCL	2,780 J+	31,000 J	4,990 J	12,500	816	816	100	--	--	4,100 J	81,000 J	11,000	15,000	11,000	0.72	RIDB-4	816	91
	Manganese	mg/kg	305	LBCL	100,000	BCL	126	1,200 J-	217	579 J	859	859	100	--	--	44.6	22,000 J	300	520	1,500	3	EE-C15-2	416	72
	Mercury	mg/kg	0.104	LBCL	3.13	BCL	<0.00668	0.12	<0.00668	0.0235 J	806	561	69.6	<0.001	<0.118	0.001 J	1.0	0.011	0.025	0.066	2.7	RI-19	21	9.6
	Molybdenum	mg/kg	3.37	LBCL	6,490	BCL	<0.105	<6.0	<0.105	1.9	810	556	68.6	<0.1	<11	0.08 J	81	0.53	0.88	3.5	4	RISB-61	5	24
	Nickel	mg/kg	7	LBCL	56,600	BCL	4.5	33	8.5	27.5	810	810	100	--	--	4.32	55.7	14	14	3.6	0.25	RSAO8	797	8
	Niobium	mg/kg	1.17	LBCL	130	BCL	<1.51	4 J	<1.51	3.8 J+	212	14	6.6	0.7559 UJ	<14	1 J	11.7 J+	1.9	3.1	3.2	1	TSB-HJ-05	13	10
	Palladium	mg/kg	--	--	--	--	<0.097	1	0.2 J	2.2	83	68	81.9	<0.052	<0.059	0.071 J	5.5	0.51	0.63	0.68	1.1	TSB-FJ-02	--	--
	Phosphorus (total)	mg/kg	6,050	CAL	100,000	BCL	299 J	1,400	649 J	1,930 J	681	681	100	--	--	12.4	3,900	780	810	310	0.38	SA-144	0	--
	Platinum	mg/kg	12	LBCL	5,190	BCL	<0.02	0.033 J	<0.02	0.049 J	526	343	65.2	<0.004	<0.25	0.002 J	0.045 J	0.01	0.01	0.0043	0.41	SA-127	0	--
	Potassium	mg/kg	--	--	--	--	1,030	6,190 J	850 J	2,450 J	526	526	100	--	--	787 J	5,980	1,900	2,100	830	0.39	RSAR7	--	--
	Selenium	mg/kg	0.3	LBCL	6,490	BCL	<0.32	3.0	<0.32	<0.32	677	106	15.7	<0.11	<10.0	0.11 J	3.1	0.9	0.86	0.74	0.86	RISB-02	65	10
	Silicon	mg/kg	--	--	--	--	188 J+	1,000	139 J+	1,080	136	136	100	--	--	41 J-	1,020	160	200	170	0.83	TSB-FJ-02	--	--
	Silver	mg/kg	1.42	LBCL	100,000	BCL	0.051 J+	0.82	0.074 J	2.2	810	142	17.5	<0.02	<8.0	0.022	10	0.1	0.26	0.91	3.5	RIDB-27	5	7
	Sodium	mg/kg	--	--	--	--	259	1,200 J	428	3,250 J	526	526	100	--	--	251 J-	11,100	880	1,200	1,200	0.94	SA-161	--	--
	Strontium	mg/kg	420	RSL	100,000	BCL	68.5	580 J-	123 J	793 J	697	697	100	--	--	77.9	5,000 J	270	370	430	1.1	RIDB-4	114	12
	Sulfur	mg/kg	--	--	--	--	--	--	--	--	145	97	66.9	<108.5	520 UJ	98	103,000	1,100	5,500	15,000	2.7	TSB-FJ-02	--	--
	Thallium	mg/kg	0.4	LBCL	13	BCL	<0.2	<0.25	0.15 J+	0.34 J+	810	448	55.3	<0.073	<2.3	0.016	0.89	0.097	0.13	0.082	0.66	SA-155	8	2.2
	Tin	mg/kg	3,000	RSL	100,000	BCL	<0.0526	0.96	<0.0526	0.78	526	485	92.2	<0.0263	<11.8	0.22 J	19.8	4.1	3.6	1.9	0.51	SA-171	0	--
	Titanium	mg/kg	134,000	LBCL	100,000	BCL	175 J+	1,000	445 J	912 J	526	526	100	--	--	241	1,230	650	650	180	0.27	SA-124	0	--
	Tungsten	mg/kg	4.01	LBCL	1,040	BCL	<0.2	0.58 J-	0.19 J	3.6 J	695	475	68.3	0.000011 UJ	7.3 UJ	0.033	2.5 J-	0.24	0.31	0.28	0.92	SA-17	0	--
	Uranium (total)	mg/kg	13.5	LBCL	3,830	BCL	0.31	5.5	0.89	2.8	542	542	100	--	--	0.19	55.2	1.8	2.6	3.3	1.3	SA-88	9	4.1
	Vanadium	mg/kg	300	LBCL	100,000	BCL	10 J+	60	26.7 J+	73.3 J	667	667	100	--	--	10.7	83	42	43	11	0.26	RI-2	0	--
	Zinc	mg/kg	620	LBCL	100,000	BCL	16.1	61.3	18.1 J-	41.2	662	662	100	--	--	13.2 J-	480 J+	31	32	19	0.61	RISB-63	0	--
	Zirconium	mg/kg	4.8	RSL	104	BCL	6.2 J	48 J+	15.9 J-	33.9 J	241	239	99.2	<5.2	5.4 UJ	8.7 J	45.1	23	23	5.6	0.25	TSB-FJ-06	239	9.4
Radionuclides	Radium-226	pCi/g	--	--	0.023	BCL	0.426	1.42	0.981 J-	2.29 J-	636	636	100	--	--	0.0472 U	11.0	1.2	1.6	1.2	0.74	RSAI3	636	480

TABLE 7-1b. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED ALLUVIUM BELOW TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Radionuclides	Radium-228	pCi/g	--	--	0.046	BCL	0.989 J-	1.55 J-	0.855 J	2.31 J-	636	636	100	--	--	-0.0994 U	4.00	1.1	1.2	0.47	0.39	RSAK7	635	87
	Thorium-228	pCi/g	0.0027	LBCL	0.026	BCL	0.706	2.25	1.11	2.3	600	600	100	--	--	0.285 U	4.94 J	1.5	1.5	0.4	0.26	TSB-CJ-09	600	1,800
	Thorium-230	pCi/g	0.001	LBCL	14	BCL	0.454	1.48	1.05	2.72	600	600	100	--	--	0.426	14.8	1.6	2.1	1.5	0.72	RSAO2	600	15,000
	Thorium-232	pCi/g	0.0035	LBCL	13	BCL	0.430	2.11	0.908	2.01	600	600	100	--	--	0.302 U	2.36	1.4	1.4	0.35	0.25	RSAT3	600	670
	Uranium-234	pCi/g	--	--	18	BCL	0.533	3.48	0.868 J	2.63	472	472	100	--	--	0.304	14.3 J	1.6	2	1.5	0.72	RSAI3	0	--
	Uranium-235	pCi/g	--	--	0.33	BCL	-0.00539 U	0.180	0.0121 U	0.116 J	472	472	100	--	--	-0.05 U	0.793	0.084	0.11	0.093	0.87	SA-88	17	2.4
	Uranium-238	pCi/g	--	--	1.5	BCL	0.391	1.83	0.993 J	2.79	472	472	100	--	--	0.292 J-	12.5	1.4	1.8	1.3	0.72	RSAI3	207	8.3
VOCs	Acetone	µg/kg	800	LBCL	100,000,000	BCL	--	--	--	--	1425	525	36.8	<1.4	<260	1.6 J	400 J-	16	29	41	1.4	SB03	0	--
	Acetonitrile	µg/kg	26	RSL	3,410,000	BCL	--	--	--	--	70	1	1.4	2 UJ	<9.7	21 J-	21 J-	21	21	--	--	TSB-HR-03	0	--
	t-Amyl methyl ether	µg/kg	--	--	--	--	--	--	--	--	1354	0	0	<0.062	130 UJ	--	--	--	--	--	--	--	--	--
	Benzene	µg/kg	2	LBCL	5,310	BCL	--	--	--	--	1425	22	1.5	<0.092	<79	0.19 J	13 J	0.69	1.4	2.7	2	RSAL2	2	6.5
	Bromobenzene	µg/kg	42	RSL	679,000	BCL	--	--	--	--	1424	0	0	<0.13	<71	--	--	--	--	--	--	--	--	--
	Bromochloromethane	µg/kg	21	RSL	628,000	BCL	--	--	--	--	1424	0	0	<0.19	<71	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/kg	30	LBCL	1,300	BCL	--	--	--	--	1424	7	0.5	<0.12	<88	1.1 J	5.4 J	1.8	2.2	1.5	0.66	SB03	0	--
	Bromoform	µg/kg	40	LBCL	95,300	BCL	--	--	--	--	1424	19	1.3	<0.063	<72	0.93 J	6.8 J	4.4	4.1	1.6	0.38	U4U5-21	0	--
	Bromomethane	µg/kg	10	LBCL	30,300	BCL	--	--	--	--	1424	0	0	<0.14	<140	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/kg	1,200	RSL	28,400,000	BCL	--	--	--	--	1424	201	14.1	<0.43	270 UJ	0.64 J	220 J	1.8	5.4	19	3.4	SA-161	0	--
	n-Butylbenzene	µg/kg	3,200	RSL	108,000	BCL	--	--	--	--	1424	7	0.5	<0.19	<130	0.87 J	8.8 J+	1.5	2.9	2.9	0.99	SA-42	0	--
	sec-Butylbenzene	µg/kg	5,900	RSL	145,000	BCL	--	--	--	--	1424	3	0.2	<0.11	<120	1.0 J	37	4.1	14	20	1.4	SA-42	0	--
	tert-Butylbenzene	µg/kg	1,600	RSL	183,000	BCL	--	--	--	--	1424	2	0.1	<0.11	<95	3.3 J	5.6 J	4.4	4.4	1.6	0.37	SA-42	0	--
	Carbon disulfide	µg/kg	2,000	LBCL	738,000	BCL	--	--	--	--	70	0	0	<0.13	<0.63	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	µg/kg	3	LBCL	2,960	BCL	--	--	--	--	1424	19	1.3	<0.22	<77	0.47 J	71 J	2	11	18	1.7	SA-66	8	24
	Chlorobenzene	µg/kg	70	LBCL	1,370,000	BCL	--	--	--	--	1425	14	1	<0.11	<83	0.67 J	210 J	1.7	18	55	3.1	RSAJ2	1	3
	Chloroethane	µg/kg	2,400	RSL	2,120,000	BCL	--	--	--	--	1424	0	0	0.21 UJ	<83	--	--	--	--	--	--	--	--	--
	Chloroform	µg/kg	30	LBCL	1,390	BCL	--	--	--	--	1425	656	46	<0.11	<7.4	0.28 J	11,000 J	4.5	82	510	6.3	SA-35	137	370
	1-Chlorohexane	µg/kg	--	--	--	--	--	--	--	--	9	0	0	<4.7	<7.4	--	--	--	--	--	--	--	--	--
	Chloromethane	µg/kg	49	RSL	464,000	BCL	--	--	--	--	1424	4	0.3	<0.18	<98	0.54 J-	1.6 J	0.61	0.84	0.51	0.61	RSAN2	0	--
	2-Chlorotoluene	µg/kg	230	RSL	907,000	BCL	--	--	--	--	1424	0	0	<0.26	<110	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	µg/kg	240	RSL	26,000,000	BCL	--	--	--	--	1424	0	0	<0.18	<93	--	--	--	--	--	--	--	--	--
	Cumene	µg/kg	740	RSL	10,400,000	BCL	--	--	--	--	1424	3	0.2	<0.11	<86	0.51 J	3.3 J	2.2	2	1.4	0.7	SA-42	0	--
	p-Cymene	µg/kg	--	--	655,000	BCL	--	--	--	--	1424	3	0.2	<0.13	<110	1.3 J	48	3.9	18	26	1.5	SA-42	0	--
	1,2-Dibromo-3-chloropropane	µg/kg	0.086	RSL	64.9	BCL	--	--	--	--	1424	0	0	<0.22	<120	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	µg/kg	20	LBCL	43,300	BCL	--	--	--	--	1424	11	0.8	<0.13	<57	0.49 J	9.3 J	1.9	2.5	2.4	0.95	SB03	0	--
	1,2-Dibromoethane	µg/kg	0.014	RSL	168	BCL	--	--	--	--	1354	0	0	<0.17	<52	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/kg	2.1	RSL	98,900	BCL	--	--	--	--	1424	0	0	<0.18	<57	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/kg	900	LBCL	376,000	BCL	--	--	--	--	1425	32	2.2	<0.13	87 UJ	0.19 J	71 J	0.97	5.1	13	2.6	SA-121	0	--
	1,3-Dichlorobenzene	µg/kg	--	--	373,000	BCL	--	--	--	--	1424	12	0.8	<0.13	<89	0.34 J	14	1.4	2.8	3.8	1.4	SA-14	0	--
	1,4-Dichlorobenzene	µg/kg	100	LBCL	11,500	BCL	--	--	--	--	1424	28	2	<0.11	<120	0.27 J	10	1.2	2.7	2.9	1	RSAJ2	0	--
	Dichlorodifluoromethane	µg/kg	300	RSL	368,000	BCL	--	--	--	--	1424	1	0.1	<0.30	<89	0.58 J	0.58 J	0.58	0.58	--	--	SA-111	0	--
	1,1-Dichloroethane	µg/kg	1,000	LBCL	15,800	BCL	--	--	--	--	1424	15	1.1	<0.074	<79	0.51 J	3.0 J	1.3	1.4	0.68	0.47	SA-21	0	--
	1,2-Dichloroethane	µg/kg	1	LBCL	2,100	BCL	--	--	--	--	1424	4	0.3	<0.07	<60	0.60 J	3.0 J	1.3	1.6	1	0.66	SA-88	3	3
	1,1-Dichloroethene	µg/kg	3	LBCL	1,000,000	BCL	--	--	--	--	1424	4	0.3	<0.13	<64	0.75 J	4.3 J	1.4	2	1.6	0.79	RSAQ4	1	1.4
	1,2-Dichloroethene	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.11	<0.62	--	--	--	--	--	--	--	--	--
	cis-1,2-Dichloroethene	µg/kg	20	LBCL	400,000	BCL	--	--	--	--	1424	5	0.4	<0.057	<54	2.8	3.4	3.2	3.2	0.23	0.072	RISB-57	0	--
	trans-1,2-Dichloroethene	µg/kg	30	LBCL	304,000	BCL	--	--	--	--	1424	0	0	<0.096	<89	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/kg	1	LBCL	11,700	BCL	--	--	--	--	1424	0	0	<0.12	<67	--	--	--	--	--	--	--	--	--
	1,3-Dichloropropane	µg/kg	1	LBCL	26,000,000	BCL	--	--	--	--	1424	0	0	<0.054	<62	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	µg/kg	--	--	--	--	--	--	--	--	1424	0	0	<0.16	<57	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	1424	1	0.1	<0.092	<69	1.5 J	1.5 J	1.5	1.5	--	--	SB02	--	--
	cis-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	1424	0	0	<0.11	<59	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	1424	0	0	<0.11	<64	--	--	--	--	--	--	--	--	--
	Diisopropyl ether	µg/kg	370	RSL	2,260,000	BCL	--	--	--	--	1354	1	0.1	<0.14	200 UJ	1.1 J	1.1 J	1.1	1.1	--	--	RISB-57	0	--
	Dimethyl disulfide	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.19	<0.32	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.28	<0.49	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.23	<0.4	--	--	--	--	--	--	--	--	--
	2,4-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.2	<0.35	--	--	--	--	--	--	--	--	--

TABLE 7-1b. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED ALLUVIUM BELOW TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
VOCs	3,3-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.21	<0.37	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/kg	0.094	RSL	27,200	BCL	--	--	--	--	1	0	0	41 UJ	41 UJ	--	--	--	--	--	--	--	--	--
	Ethanol	mg/kg	--	--	100,000	BCL	--	--	--	--	70	0	0	0.050 UJ	0.22 UJ	--	--	--	--	--	--	--	--	--
	Ethyl benzene	µg/kg	700	LBCL	26,600	BCL	--	--	--	--	1416	2	0.1	<0.062	<160	4.5 J	5.3	4.9	4.9	0.57	0.12	U4U5-76	0	--
	Ethyl tert-butyl ether	µg/kg	17	RSL	560,000	RSL	--	--	--	--	1354	2	0.1	<0.14	120 UJ	0.40 J	1.1 J	0.75	0.75	0.49	0.66	U4U5-34	0	--
	3-Ethylpentane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.21	<0.38	--	--	--	--	--	--	--	--	--
	Freon 113	µg/kg	26,000	RSL	910,000	BCL	--	--	--	--	80	0	0	<0.15	<5.4	--	--	--	--	--	--	--	--	--
	n-Heptane	µg/kg	30	LBCL	220,000	BCL	--	--	--	--	70	0	0	<0.17	<0.29	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/kg	100	LBCL	5,610	BCL	--	--	--	--	1354	30	2.2	<0.42	<130	0.60 J-	41 J-	2.2	5.4	9.1	1.7	SA-101	0	--
	2-Hexanone	µg/kg	8.8	RSL	1,490,000	BCL	--	--	--	--	1424	8	0.6	<0.25	200 UJ	0.58 J	8.6 J	1.9	3.2	2.8	0.87	U4U5-35	0	--
	Iodomethane	µg/kg	--	--	1,370,000	BCL	--	--	--	--	70	0	0	<0.13	<0.29	--	--	--	--	--	--	--	--	--
	Methyl tert-butyl ether	µg/kg	3.2	RSL	217,000	BCL	--	--	--	--	1424	3	0.2	<0.095	<54	1.3 J	1.9 J	1.5	1.6	0.31	0.2	U4U5-19	0	--
	Methylene Chloride	µg/kg	1	LBCL	1,130,000	BCL	--	--	--	--	1424	148	10.4	<0.22	<65	0.29 J	93 J-	0.88	3.3	9.8	2.9	SB03	61	93
	2-Methylhexane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.21	<0.37	--	--	--	--	--	--	--	--	--
	3-Methylhexane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.14	<0.25	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	1354	18	1.3	0.43 UJ	<160	1.1 J	380	3.7	31	89	2.8	U4U5-19	0	--
	2-Nitropropane	µg/kg	0.0025	RSL	278	BCL	--	--	--	--	70	0	0	<0.64	<2	--	--	--	--	--	--	--	--	--
	n-Nonyl aldehyde	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.5	<1	--	--	--	--	--	--	--	--	--
	4-Methyl-2-pentanone	µg/kg	1,400	RSL	3,360,000	BCL	--	--	--	--	1424	11	0.8	<0.31	210 UJ	0.49 J	10	1.1	2.8	2.9	1	U4U5-37	0	--
	n-Propylbenzene	µg/kg	1,200	RSL	264,000	BCL	--	--	--	--	1424	3	0.2	<0.12	<88	0.54 J+	6.8 J+	2.5	3.3	3.2	0.98	SA-42	0	--
	Styrene	µg/kg	200	LBCL	867,000	BCL	--	--	--	--	1424	3	0.2	<0.16	<77	1.0 J	1.6 J	1.5	1.4	0.32	0.24	U4U5-25	0	--
	1,1,1,2-Tetrachloroethane	µg/kg	0.22	RSL	9,070	BCL	--	--	--	--	1424	0	0	<0.14	<49	--	--	--	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	µg/kg	0.2	LBCL	2,910	BCL	--	--	--	--	1424	0	0	<0.083	<69	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	µg/kg	3	LBCL	107,000	BCL	--	--	--	--	1424	59	4.1	<0.092	<84	0.41 J	920 J-	2.3	48	180	3.6	SB02	28	310
	Toluene	µg/kg	600	LBCL	818,000	BCL	--	--	--	--	1424	233	16.4	<0.13	<55	0.23 J	5.1 J	0.64	0.9	0.75	0.83	RSAO2	0	--
	1,2,3-Trichlorobenzene	µg/kg	21	RSL	151,000	BCL	--	--	--	--	1424	31	2.2	<0.41	<130	0.89 J	1,400	1.9	49	250	5.1	SA-14	2	67
	1,2,4-Trichlorobenzene	µg/kg	300	LBCL	125,000	BCL	--	--	--	--	1424	33	2.3	<0.35	<160	0.96 J-	1,500	2.1	48	260	5.4	SA-14	1	5
	1,3,5-Trichlorobenzene	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.39	<0.77	--	--	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	µg/kg	100	LBCL	640,000	BCL	--	--	--	--	1424	3	0.2	<0.11	<36	0.37 J	0.54 J	0.53	0.48	0.095	0.2	SA-7	0	--
	1,1,2-Trichloroethane	µg/kg	0.9	LBCL	5,280	BCL	--	--	--	--	1424	0	0	<0.071	<100	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/kg	3	LBCL	6,310	BCL	--	--	--	--	1424	65	4.6	<0.11	<69	0.50 J-	180 J-	1.5	8.3	26	3.1	SB02	14	60
	Trichlorofluoromethane	µg/kg	3,300	RSL	1,230,000	BCL	--	--	--	--	1424	17	1.2	<0.19	<57	0.39 J	13	1.4	2.1	2.9	1.4	SA-110	0	--
	1,2,3-Trichloropropane	µg/kg	0.00032	RSL	121	BCL	--	--	--	--	1424	3	0.2	<0.27	<95	2.3 J	69	3	25	38	1.5	SA-42	3	220,000
	1,2,4-Trimethylbenzene	µg/kg	81	RSL	219,000	BCL	--	--	--	--	1424	30	2.1	<0.14	<110	0.29 J	390	0.51	14	71	5.1	SA-42	1	4.8
	1,3,5-Trimethylbenzene	µg/kg	87	RSL	182,000	BCL	--	--	--	--	1424	4	0.3	<0.1	<89	0.97 J	230	1.4	58	110	2	SA-42	1	2.6
	2,2,3-Trimethylbutane	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.21	<0.38	--	--	--	--	--	--	--	--	--
	Vinyl acetate	µg/kg	8,000	LBCL	2,750,000	BCL	--	--	--	--	70	0	0	<0.18	<0.43	--	--	--	--	--	--	--	--	--
	Vinyl chloride	µg/kg	0.7	LBCL	1,870	BCL	--	--	--	--	1424	0	0	<0.12	<81	--	--	--	--	--	--	--	--	--
	m,p-Xylene	µg/kg	--	--	--	--	--	--	--	--	1374	2	0.1	<0.18	<160	23	29	26	26	4.2	0.16	U4U5-76	--	--
	o-Xylene	µg/kg	9,000	LBCL	434,000	BCL	--	--	--	--	1374	2	0.1	<0.081	<110	0.42 J	10	5.2	5.2	6.8	1.3	U4U5-76	0	--
	Xylenes (total)	µg/kg	10,000	LBCL	260,000	BCL	--	--	--	--	761	1	0.1	<0.25	<15	39	39	39	39	--	--	U4U5-76	0	--
	tert Butyl alcohol	µg/kg	32	RSL	7,270,000	BCL	--	--	--	--	1345	50	3.7	<4.0	1,800 UJ	7.0 NJ	81 J	24	29	19	0.65	U4U5-75	12	2.5
SVOCs	Acenaphthene	µg/kg	29,000	LBCL	118,000	BCL	--	--	--	--	676	4	0.6	<0.032	<450	6.7 J	120 J	16	40	54	1.4	SSAM3-02	0	--
	Acenaphthylene	µg/kg	--	--	44,000	BCL	--	--	--	--	676	6	0.9	<0.024	<450	1.5 J	4.6 J	3.5	3.3	1.3	0.38	SA-204	0	--
	Acetophenone	µg/kg	580	RSL	2,520,000	BCL	--	--	--	--	70	0	0	<34	60 UJ	--	--	--	--	--	--	--	--	--
	Aniline	µg/kg	4.6	RSL	619,000	BCL	--	--	--	--	214	0	0	<34	<390	--	--	--	--	--	--	--	--	--
	Anthracene	µg/kg	590,000	LBCL	4,260	BCL	--	--	--	--	676	5	0.7	<0.038	<450	4.3 J	18	7.2	9.5	5.3	0.56	SA-50	0	--
	Azobenzene	µg/kg	0.93	RSL	28,900	BCL	--	--	--	--	70	0	0	<34	60 UJ	--	--	--	--	--	--	--	--	--
	Benzenethiol	µg/kg	11	RSL	1,260,000	BCL	--	--	--	--	70	0	0	<130	220 UJ	--	--	--	--	--	--	--	--	--
	Benzidine	µg/kg	0.00028	RSL	15.3	BCL	--	--	--	--	136	0	0	<180	3,000 UJ	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	µg/kg	80	LBCL	9,980	BCL	--	--	--	--	676	42	6.2	<0.019	<450	0.72 J	95 J	5.1	15	23	1.5	RI-21	2	1.2
	Benzo(a)pyrene	µg/kg	400	LBCL	3,500	BCL	--	--	--	--	676	24	3.6	<0.022	<450	2.3 J	81 J	11	22	24	1.1	RI-21	0	--
	Benzo(b)fluoranthene	µg/kg	200	LBCL	35,000	BCL	--	--	--	--	676	30	4.4	<0.036	<450	1.8 J	130 J	7.8	25	34	1.4	RI-21	0	--
	Benzo(g,h,i)perylene	µg/kg	3,900,000	CAL	25,100,000	BCL	--	--	--	--	676	28	4.1	<0.038	<500	1.1 J	69 J	7.1	15	18	1.2	SA-9	0	--
	Benzo(k)fluoranthene	µg/kg	2,000	LBCL	350,000	BCL	--	--	--	--	676	27	4	<0.026	<450	1.1 J	110 J	7.1	18	25	1.4	SA-9	0	--
	Benzoic acid	µg/kg	20,000	LBCL	100,000,000	BCL	--	--	--	--	219	0	0	<34	<1,600	--	--	--	--	--	--	--	--	--

TABLE 7-1b. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED ALLUVIUM BELOW TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
SVOCs	Benzyl alcohol	µg/kg	480	RSL	91,200,000	BCL	--	--	--	--	220	0	0	<34	690 UJ	--	--	--	--	--	--	--	--	--
	4-Bromophenyl-phenyl ether	µg/kg	--	--	--	--	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	Butylbenzylphthalate	µg/kg	810,000	LBCL	1,860,000	BCL	--	--	--	--	689	40	5.8	<0.074	<450	2.5 J	110 J	5	12	21	1.7	TSB-HJ-01	0	--
	Carbazole	µg/kg	30	LBCL	176,000	BCL	--	--	--	--	72	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	4-Chloroaniline	µg/kg	30	LBCL	17,600	BCL	--	--	--	--	222	0	0	<34	<610	--	--	--	--	--	--	--	--	--
	2-Chloronaphthalene	µg/kg	3,900	RSL	175,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	2-Chlorophenol	µg/kg	200	LBCL	6,490,000	BCL	--	--	--	--	222	1	0.5	<34	<370	9,600	9,600	9,600	9,600	--	--	RI-3	1	48
	4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	--	--	--	--	222	0	0	<34	<390	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<7.7	14 UJ	--	--	--	--	--	--	--	--	--
	4-Chlorothiophenol	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<190	330 UJ	--	--	--	--	--	--	--	--	--
	Chrysene	µg/kg	8,000	LBCL	3,500,000	BCL	--	--	--	--	677	61	9	<0.032	<450	1.1 J	130 J	5.3	17	26	1.6	SA-9	0	--
	Di-n-butylphthalate	µg/kg	270,000	LBCL	91,200,000	BCL	--	--	--	--	689	176	25.5	<0.97	<740	36 J	8,200 J+	56	160	680	4.3	SA-57	0	--
	Di-n-octylphthalate	µg/kg	57,000	RSL	9,120,000	BCL	--	--	--	--	689	1	0.1	<0.034	<450	1.8 J	1.8 J	1.8	1.8	--	--	SA-127	0	--
	Dibenz(a,h)anthracene	µg/kg	80	LBCL	3,500	BCL	--	--	--	--	676	11	1.6	<0.024	<460	1.4 J	16	5	7	5.3	0.75	SA-111	0	--
	Dibenzofuran	µg/kg	150	RSL	171,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/kg	900	LBCL	376,000	BCL	--	--	--	--	2	0	0	<350	<370	--	--	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	µg/kg	--	--	373,000	BCL	--	--	--	--	2	0	0	<350	<370	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	µg/kg	100	LBCL	11,500	BCL	--	--	--	--	2	0	0	<350	<370	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	µg/kg	0.3	LBCL	7,840	BCL	--	--	--	--	222	0	0	<34	<690	--	--	--	--	--	--	--	--	--
	2,2'-/4,4'-Dichlorobenzil	µg/kg	--	--	--	--	--	--	--	--	50	0	0	<70	<220	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	µg/kg	50	LBCL	2,740,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	Diethylphthalate	µg/kg	6,100	RSL	100,000,000	BCL	--	--	--	--	689	11	1.6	<3.8	<2,700	11 J	260 J	49	75	71	0.94	SA-14	0	--
	2,4-Dimethylphenol	µg/kg	400	LBCL	18,200,000	BCL	--	--	--	--	222	0	0	<34	<590	--	--	--	--	--	--	--	--	--
	Dimethylphthalate	µg/kg	87,800	CAL	100,000,000	BCL	--	--	--	--	689	26	3.8	<0.029	<450	1.1 J	550	22	90	160	1.8	BDT-1-S-10	0	--
	2,4-Dinitrophenol	µg/kg	10	LBCL	1,820,000	BCL	--	--	--	--	221	0	0	340 UJ	<1,500	--	--	--	--	--	--	--	--	--
	2,4-Dinitrotoluene	µg/kg	0.04	LBCL	11,400	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	µg/kg	0.03	LBCL	2,350	BCL	--	--	--	--	222	0	0	<34	<430	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/kg	0.094	RSL	27,200	BCL	--	--	--	--	535	1	0.2	<0.16	<450	10 J	10 J	10	10	--	--	RSAT4	1	110
	Diphenyl disulfide	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<29	52 UJ	--	--	--	--	--	--	--	--	--
	Diphenyl sulfide	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<3.6	6.4 UJ	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	µg/kg	36	RSL	729,000	BCL	--	--	--	--	70	0	0	<6.8	12 UJ	--	--	--	--	--	--	--	--	--
	1,2-Diphenylhydrazine	µg/kg	0.25	RSL	4,410	BCL	--	--	--	--	70	0	0	<34	60 UJ	--	--	--	--	--	--	--	--	--
	Fluoranthene	µg/kg	210,000	LBCL	33,500,000	BCL	--	--	--	--	689	66	9.6	<0.045	<450	1.4 J	180 J	5	20	38	1.9	SA-9	0	--
	Fluorene	µg/kg	28,000	LBCL	93,100	BCL	--	--	--	--	689	6	0.9	<0.022	<450	3.7 J	550	6.7	97	220	2.3	SA-42	0	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	690	110	15.9	<0.028	<10,000	1.7 J	1,400	32	110	210	1.8	RSAJ5	34	14
	Hexachlorobutadiene	µg/kg	100	LBCL	5,610	BCL	--	--	--	--	72	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	Hexachlorocyclopentadiene	µg/kg	20,000	LBCL	7,460	BCL	--	--	--	--	222	0	0	140 UJ	<610	--	--	--	--	--	--	--	--	--
	Hexachloroethane	µg/kg	20	LBCL	8,470	BCL	--	--	--	--	222	0	0	<34	<610	--	--	--	--	--	--	--	--	--
	Hydroxymethyl phthalimide	µg/kg	--	--	--	--	--	--	--	--	70	0	0	44 UJ	78 UJ	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	µg/kg	700	LBCL	35,000	BCL	--	--	--	--	676	26	3.8	<0.029	<590	1.1 J	62 J	5.9	14	17	1.2	SA-9	0	--
	Isophorone	µg/kg	30	LBCL	3,710,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene	µg/kg	6	RSL	121,000	BCL	--	--	--	--	153	2	1.3	<0.26	<690	0.28 J	5,600	2,800	2,800	4,000	1.4	EE-C25-1	1	930
	2-Methylnaphthalene	µg/kg	190	RSL	368,000	BCL	--	--	--	--	689	5	0.7	<0.018	<450	0.35 J	1,500	3.5	300	670	2.2	SA-42	1	7.9
	2-Methylphenol	µg/kg	800	LBCL	45,600,000	BCL	--	--	--	--	222	0	0	81 UJ	<370	--	--	--	--	--	--	--	--	--
	3&4-Methylphenol	µg/kg	300	RSL	16,000,000	RSL	--	--	--	--	220	0	0	<68	<610	--	--	--	--	--	--	--	--	--
	4-Methylphenol	µg/kg	--	--	18,200,000	BCL	--	--	--	--	2	0	0	<350	<370	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	689	22	3.2	<0.32	<450	1.1 J	230	1.4	12	49	4	SA-42	0	--
	2-Nitroaniline	µg/kg	80	RSL	8,840,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	µg/kg	--	--	--	--	--	--	--	--	222	0	0	<34	<610	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	µg/kg	1.6	RSL	176,000	BCL	--	--	--	--	222	0	0	<140	<610	--	--	--	--	--	--	--	--	--
	Nitrobenzene	µg/kg	7	LBCL	22,500	BCL	--	--	--	--	689	0	0	<0.056	<450	--	--	--	--	--	--	--	--	--
	2-Nitrophenol	µg/kg	--	--	--	--	--	--	--	--	222	0	0	<34	<610	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	µg/kg	--	--	7,290,000	BCL	--	--	--	--	222	0	0	140 UJ	<740	--	--	--	--	--	--	--	--	--
	n-Nitrosodiphenylamine	µg/kg	60	LBCL	720,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	Octachlorostyrene	µg/kg	--	--	--	--	--	--	--	--	687	50	7.3	<0.12	<11,000	5.1 J	250	29	44	46	1.1	RSAJ5	--	--
	Pentachlorobenzene	µg/kg	24	RSL	18,600	BCL	--	--	--	--	70	0	0	<34	60 UJ	--	--	--	--	--	--	--	--	--

TABLE 7-1b. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED ALLUVIUM BELOW TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
SVOCs	Pentachlorophenol	µg/kg	1	LBCL	8,450	BCL	--	--	--	--	220	0	0	<340	<1,600	--	--	--	--	--	--	--	--
	Phenanthrene	µg/kg	139	CAL	24,500	BCL	--	--	--	--	676	73	10.8	<0.057	<450	1.2 J	1,100	3.7	28	130	4.7	SA-42	2	7.9
	Phenol	µg/kg	5,000	LBCL	100,000,000	BCL	--	--	--	--	222	1	0.5	<34	<410	850	850	850	850	--	--	RI-3	0	--
	Phthalic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	87	0	0	250 UJ	<3,800	--	--	--	--	--	--	--	--	--
	Pyrene	µg/kg	210,000	LBCL	44,000	BCL	--	--	--	--	676	67	9.9	<0.031	<620	1.1 J	160 J	3.9	17	32	1.9	SA-9	0	--
	Pyridine	µg/kg	6.8	RSL	1,300,000	BCL	--	--	--	--	688	0	0	<0.84	<2,200	--	--	--	--	--	--	--	--	--
	1,2,4,5-Tetrachlorobenzene	µg/kg	0.79	RSL	7,990	BCL	--	--	--	--	70	0	0	<34	60 UJ	--	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	µg/kg	14,000	LBCL	91,200,000	BCL	--	--	--	--	222	0	0	<34	<590	--	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	µg/kg	8	LBCL	321,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	bis(2-Chloro-1-methylethyl) ether	µg/kg	260	RSL	1,020,000	BCL	--	--	--	--	72	0	0	34 UJ	<370	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethoxy)methane	µg/kg	13	RSL	2,740,000	BCL	--	--	--	--	222	0	0	<34	<610	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	µg/kg	0.02	LBCL	1,150	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	µg/kg	180,000	LBCL	252,000	BCL	--	--	--	--	689	42	6.1	<4.1	<2,900	51 J	1,400 J	140	180	210	1.1	SA-107	0	--
	bis(4-Chlorophenyl) disulfide	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<210	370 UJ	--	--	--	--	--	--	--	--	--
	bis(4-Chlorophenyl) sulfone	µg/kg	65	RSL	729,000	BCL	--	--	--	--	70	0	0	<330	<360	--	--	--	--	--	--	--	--	--
	4,6-Dinitro-2-methylphenol	µg/kg	2.6	RSL	72,900	BCL	--	--	--	--	2	0	0	<710	<740	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	µg/kg	1,700	RSL	91,200,000	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
	n-Nitroso-di-n-propylamine	µg/kg	0.002	LBCL	504	BCL	--	--	--	--	222	0	0	<34	<370	--	--	--	--	--	--	--	--	--
PAHs	Acenaphthene	µg/kg	29,000	LBCL	118,000	BCL	--	--	--	--	166	2	1.2	<4.1	<32	12 J	700	360	360	490	1.4	EE-C25-1	0	--
	Acenaphthylene	µg/kg	--	--	44,000	BCL	--	--	--	--	166	1	0.6	<4.1	<28	220 J	220 J	220	220	--	--	EE-C25-1	0	--
	Anthracene	µg/kg	590,000	LBCL	4,260	BCL	--	--	--	--	166	3	1.8	<0.71	<22	7.7 J	300 J	60	120	160	1.3	EE-C25-1	0	--
	Benzo(a)anthracene	µg/kg	80	LBCL	9,980	BCL	--	--	--	--	166	7	4.2	<1.2	<22	5.8 J	330	19	73	120	1.6	RI-21	2	4.1
	Benzo(a)pyrene	µg/kg	400	LBCL	3,500	BCL	--	--	--	--	166	7	4.2	<2.1	<22	4.6 J	210 J	22	69	93	1.3	EE-C25-1	0	--
	Benzo(b)fluoranthene	µg/kg	200	LBCL	35,000	BCL	--	--	--	--	166	8	4.8	<2.1	<22	7.6 J	330	32	72	110	1.5	RI-21	1	1.6
	Benzo(g,h,i)perylene	µg/kg	3,900,000	CAL	25,100,000	BCL	--	--	--	--	166	6	3.6	<4.1	<22	7.4 J	160 J	16	45	60	1.3	EE-C25-1	0	--
	Benzo(k)fluoranthene	µg/kg	2,000	LBCL	350,000	BCL	--	--	--	--	166	5	3	<2.4	<71	4.8 J	130	16	36	53	1.5	RI-21	0	--
	Chrysene	µg/kg	8,000	LBCL	3,500,000	BCL	--	--	--	--	165	10	6.1	<1.1	<22	5.4 J	670	20	110	210	1.9	EE-C25-1	0	--
	Dibenz(a,h)anthracene	µg/kg	80	LBCL	3,500	BCL	--	--	--	--	166	1	0.6	<3.9	<110	21 J	21 J	21	21	--	--	RI-21	0	--
	Fluoranthene	µg/kg	210,000	LBCL	33,500,000	BCL	--	--	--	--	153	8	5.2	<4.1	<22	4.8 J	490	24	94	160	1.8	RI-21	0	--
	Fluorene	µg/kg	28,000	LBCL	93,100	BCL	--	--	--	--	153	2	1.3	<4.1	<22	11 J	1,100	560	560	770	1.4	EE-C25-1	0	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	2	0	0	<21	<22	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	µg/kg	700	LBCL	35,000	BCL	--	--	--	--	166	5	3	<2	<45	7.3 J	94	17	30	36	1.2	RI-21	0	--
	2-Methylnaphthalene	µg/kg	190	RSL	368,000	BCL	--	--	--	--	3	1	33.3	<21	<22	7,900	7,900	7,900	7,900	--	--	EE-C25-1	1	42
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	153	4	2.6	<4.1	<22	6.4 J	3,100	14	780	1,500	2	EE-C25-1	0	--
	Pentachlorophenol	µg/kg	1	LBCL	8,450	BCL	--	--	--	--	2	0	0	<21	<22	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/kg	139	CAL	24,500	BCL	--	--	--	--	166	5	3	<1.8	<22	5.3 J	1,500	27	350	650	1.9	EE-C25-1	2	11
	Pyrene	µg/kg	210,000	LBCL	44,000	BCL	--	--	--	--	166	8	4.8	<3.2	<22	5.6 J	1,300	22	230	450	2	EE-C25-1	0	--
PCBs	Aroclor-1016	µg/kg	21	RSL	45,200	BCL	--	--	--	--	106	0	0	<5.2	<93	--	--	--	--	--	--	--	--	--
	Aroclor-1221	µg/kg	0.08	RSL	1,280	BCL	--	--	--	--	106	0	0	<5.2	<210	--	--	--	--	--	--	--	--	--
	Aroclor-1232	µg/kg	0.08	RSL	1,060	BCL	--	--	--	--	106	0	0	<5.2	<93	--	--	--	--	--	--	--	--	--
	Aroclor-1242	µg/kg	1.2	RSL	1,550	BCL	--	--	--	--	106	0	0	<5.2	<150	--	--	--	--	--	--	--	--	--
	Aroclor-1248	µg/kg	1.2	RSL	1,560	BCL	--	--	--	--	106	0	0	<5.2	<93	--	--	--	--	--	--	--	--	--
	Aroclor-1254	µg/kg	2	RSL	1,600	BCL	--	--	--	--	106	0	0	<2.8	<93	--	--	--	--	--	--	--	--	--
	Aroclor-1260	µg/kg	5.5	RSL	1,650	BCL	--	--	--	--	247	2	0.8	<2.8	<170	150	470 J+	310	310	230	0.73	SA-9	2	85
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	15	RSL	26.7	BCL	--	--	--	--	290	90	31	<0.0056	<4.9	0.037 J	680	0.58	18	89	4.9	EE-D25A-2	8	45
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	25	CAL	--	--	--	--	--	--	290	115	39.7	<0.018	<5.5	0.036 J	2,600 J	1	51	300	5.8	EE-D25A-2	15	100
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	--	--	--	--	--	--	290	144	49.7	<0.014	<5.5	0.016 J	2,600 J	0.59	39	270	6.9	EE-D25A-2	2	6.2
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	--	--	--	--	--	--	290	196	67.6	<0.026	<5.5	0.039 J	4,800	0.43	53	420	7.8	EE-D25A-2	3	12
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	581	BCL	--	--	--	--	290	212	73.1	<0.032	<5.5	0.045 J	4,500	0.43	46	380	8.2	EE-D25A-2	4	11
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	6,960	CAL	--	--	--	--	--	--	290	227	78.3	<0.052	<5.5	0.057 J	16,000	1.4	160	1,300	8.3	EE-D25A-2	2	2.3
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	pg/g	388,000	CAL	--	--	--	--	--	--	290	231	79.7	<0.33	31 UJ	0.18 J	17,000	5.1	170	1,400	8.1	EE-D25A-2	0	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/g	84.1	CAL	--	--	--	--	--	--	290	199	68.6	<0.01	<9.6	0.028 J	33,000	1.5	350	3,000	8.5	EE-D25A-2	21	390
	1,2,3,7,8-Pentachlorodibenzofuran	pg/g	466	CAL	--	--	--	--	--	--	290	181	62.4	<0.016	<5.6	0.023 J	27,000	3.5	380	2,500	6.6	EE-D25A-2	13	58
	2,3,4,7,8-Pentachlorodibenzofuran	pg/g	46.6	CAL	--	--	--	--	--	--	290	160	55.2	<0.017	<5.7	0.034 J	17,000	2.5	260	1,700	6.5	EE-D25A-2	26	360
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	290	208	71.7	<0.015	<5.5	0.036 J	78,000	4.2	880	6,800	7.8	EE-D25A-2	23	330
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	290	207	71.4	<0.013	<5.5	0.019 J	44,000	2.6	520	3,900	7.4	EE-D25A-2	18	190

TABLE 7-1b. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED ALLUVIUM BELOW TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	290	202	69.7	<0.022	<5.5	0.033 J	6,100	0.76	83	580	7	EE-D25A-2	7	26
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	290	163	56.2	<0.012	<5.5	0.022 J	10,000	1.1	160	1,000	6.6	EE-D25A-2	8	43
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	3,900	CAL	--	--	--	--	--	--	290	236	81.4	<0.026	7.2 UJ	0.04 J	180,000	5.8	1,900	15,000	8.1	EE-D25A-2	8	46
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	3,900	CAL	--	--	--	--	--	--	290	215	74.1	<0.024	<12	0.045 J	66,000	3.7	780	5,800	7.4	EE-D25A-2	4	17
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	pg/g	218,000	CAL	--	--	--	--	--	--	290	234	80.7	<0.037	<11	0.098 J	440,000	15	4,700	37,000	8	EE-D25A-2	2	2
	Total Dioxin/Furan TEQ (Calculated)	pg/g	--	--	2,700	SS	--	--	--	--	214	214	100	--	--	0.024	5,000	1.6	67	370	5.6	RIDB-25	1	1.9
Pesticides - OCPs	Aldrin	µg/kg	20	LBCL	205	BCL	--	--	--	--	475	0	0	<0.070	<46	--	--	--	--	--	--	--	--	--
	alpha-BHC	µg/kg	26.6	LBCL	274,000	BCL	--	--	--	--	475	14	2.9	<0.099	<46	0.39 J+	960	15	190	330	1.8	RSAL2	6	36
	beta-BHC	µg/kg	5.45	LBCL	54,700	BCL	--	--	--	--	475	92	19.4	<0.2	<46	0.80 J	670 J	3.1	31	98	3.1	RSAK2	34	120
	delta-BHC	µg/kg	58.3	LBCL**	333,000	BCL	--	--	--	--	475	9	1.9	<0.085	<46	0.51 J+	700	14	150	270	1.8	RSAL2	2	12
	gamma-BHC	µg/kg	0.5	LBCL	11,100	BCL	--	--	--	--	475	7	1.5	<0.085	<46	1.6 J	320	37	120	130	1.1	RSAL2	7	640
	Chlordane (technical)	µg/kg	500	LBCL	9,780	BCL	--	--	--	--	2	0	0	<110	<110	--	--	--	--	--	--	--	--	--
	Chlordane (total)	µg/kg	--	--	--	--	--	--	--	--	321	0	0	<0.22	<230	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	µg/kg	490	RSL	500,000	RSL	--	--	--	--	475	0	0	<0.1	<46	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	µg/kg	1,400	RSL	500,000	RSL	--	--	--	--	475	4	0.8	<0.087	<46	2.6	27	8.7	12	11	0.93	RSAJ5	0	--
	2,4'-DDD	µg/kg	--	--	--	--	--	--	--	--	70	0	0	<0.11	<0.55	--	--	--	--	--	--	--	--	--
	4,4'-DDD	µg/kg	800	LBCL	14,700	BCL	--	--	--	--	475	9	1.9	<0.095	<92	0.70 J+	110 J	3.8	18	36	2	RSAK8	0	--
	2,4'-DDE	µg/kg	3,000	*LBCL	--	--	--	--	--	--	222	6	2.7	<0.091	<4.9	1.9 J	11	4	5.1	3.8	0.74	RIDB-4	0	--
	4,4'-DDE	µg/kg	3,000	LBCL	10,300	BCL	--	--	--	--	475	58	12.2	<0.078	<24	0.45 J	1,900 J	4.9	67	260	3.9	RSAK8	0	--
	4,4'-DDT	µg/kg	2,000	LBCL	10,600	BCL	--	--	--	--	475	39	8.2	<0.17	<24	0.70 J	610 J	5.9	38	120	3.1	RSAK8	0	--
	Dieldrin	µg/kg	0.2	LBCL	220	BCL	--	--	--	--	475	1	0.2	<0.074	<92	43 J	43 J	43	43	--	--	RSAK8	1	220
	Endosulfan I	µg/kg	--	--	--	--	--	--	--	--	475	2	0.4	<0.085	<46	0.20 J+	0.25 J+	0.23	0.23	0.035	0.16	BDT-1-N-10	--	--
	Endosulfan II	µg/kg	--	--	--	--	--	--	--	--	475	0	0	<0.091	<92	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	µg/kg	2,100	RSL	4,900,000	RSL	--	--	--	--	475	0	0	<0.090	<92	--	--	--	--	--	--	--	--	--
	Endrin	µg/kg	50	LBCL	274,000	BCL	--	--	--	--	475	1	0.2	<0.085	<92	0.86 J+	0.86 J+	0.86	0.86	--	--	BDT-1-N-10	0	--
	Endrin aldehyde	µg/kg	--	--	--	--	--	--	--	--	475	0	0	<0.11	<92	--	--	--	--	--	--	--	--	--
	Endrin ketone	µg/kg	--	--	--	--	--	--	--	--	475	7	1.5	<0.12	<92	0.68 J	2.9 J+	1.5	1.7	0.86	0.52	BDT-1-S-5	--	--
	Heptachlor	µg/kg	1,000	LBCL	696	BCL	--	--	--	--	475	0	0	<0.088	<46	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	µg/kg	30	LBCL	366	BCL	--	--	--	--	475	0	0	<0.11	<46	--	--	--	--	--	--	--	--	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	252	91	36.1	<0.29	<9.4	0.46 J	2,000	4.9	80	250	3.2	RSAJ5	14	20
	Methoxychlor	µg/kg	8,000	LBCL	4,560,000	BCL	--	--	--	--	475	3	0.6	<0.26	<460	0.91 J	1.8 J+	1.2	1.3	0.45	0.35	BDT-1-S-5	0	--
	Toxaphene	µg/kg	2,000	LBCL	3,210	BCL	--	--	--	--	475	0	0	<6.2	<910	--	--	--	--	--	--	--	--	--
Pesticides - OPPs	Atrazine	µg/kg	1.9	RSL	15,300	BCL	--	--	--	--	21	0	0	<12	<14	--	--	--	--	--	--	--	--	--
	Chlorpyrifos	µg/kg	120	RSL	912,000	BCL	--	--	--	--	46	0	0	<6.46	<37	--	--	--	--	--	--	--	--	--
	Coumaphos	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<2.8	<37	--	--	--	--	--	--	--	--	--
	Dasanit	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<8.15	<37	--	--	--	--	--	--	--	--	--
	Demeton (O + S)	µg/kg	--	--	36,500	BCL	--	--	--	--	21	0	0	<7.6	<8.5	--	--	--	--	--	--	--	--	--
	Demeton-O	µg/kg	--	--	--	--	--	--	--	--	39	0	0	<5.29	<37	--	--	--	--	--	--	--	--	--
	Demeton-S	µg/kg	--	--	--	--	--	--	--	--	39	0	0	<4.86	<37	--	--	--	--	--	--	--	--	--
	Diazinon	µg/kg	65	RSL	638,000	BCL	--	--	--	--	46	0	0	<7.27	<37	--	--	--	--	--	--	--	--	--
	Dichlorovos	µg/kg	0.081	RSL	12,200	BCL	--	--	--	--	46	0	0	<7.40	<74	--	--	--	--	--	--	--	--	--
	Dimethoate	µg/kg	9.9	RSL	2,010,000	BCL	--	--	--	--	46	1	2.2	<7.08	37 UJ	9.4 J	9.4 J	9.4	9.4	--	--	RSAP7	0	--
	Disulfoton	µg/kg	0.94	RSL	36,500	BCL	--	--	--	--	46	0	0	<7.73	<37	--	--	--	--	--	--	--	--	--
	EPN	µg/kg	2.8	RSL	9,120	BCL	--	--	--	--	46	0	0	<3.68	<37	--	--	--	--	--	--	--	--	--
	Ethoprop	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<4.93	<37	--	--	--	--	--	--	--	--	--
	Famphur	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<3.22	<37	--	--	--	--	--	--	--	--	--
	Fenthion	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<8.74	<37	--	--	--	--	--	--	--	--	--
	Guthion	µg/kg	17	RSL	2,740,000	BCL	--	--	--	--	46	0	0	<3.5	<37	--	--	--	--	--	--	--	--	--
	Malathion	µg/kg	100	RSL	18,200,000	BCL	--	--	--	--	46	0	0	<4.64	<37	--	--	--	--	--	--	--	--	--
	Merphos	µg/kg	59	RSL	1,030	BCL	--	--	--	--	46	1	2.2	<5.14	<37	15	15	15	15	--	--	SA-66	0	--
	Methyl parathion	µg/kg	7.4	RSL	228,000	BCL	--	--	--	--	46	0	0	<6.37	<37	--	--	--	--	--	--	--	--	--
	Mevinphos	µg/kg	--	--	--	--	--	--	--	--	46	0	0	4.62 UJ	<37	--	--	--	--	--	--	--	--	--
	Naled	µg/kg	18	RSL	1,290	BCL	--	--	--	--	39	0	0	22.6 UJ	37 UJ	--	--	--	--	--	--	--	--	--
	Parathion	µg/kg	430	RSL	5,470,000	BCL	--	--	--	--	46	0	0	5.29 UJ	<37	--	--	--	--	--	--	--	--	--
	Phorate	µg/kg	3.4	RSL	182,000	BCL	--	--	--	--	46	0	0	<5.70	<37	--	--	--	--	--	--	--	--	--
	Propazine	µg/kg	300	RSL	18,200,000	BCL	--	--	--	--	7	1	14.3	<8.7	<9.3	14 J	14 J	14	14	--	--	RISB-EJ-04	0	--

TABLE 7-1b. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED ALLUVIUM BELOW TEN FEET
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Pesticides - OPPs	Prothiophos	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<3.91	<37	--	--	--	--	--	--	--	--	--
	Ronnel	µg/kg	3,700	RSL	26,800	BCL	--	--	--	--	46	0	0	<15	<37	--	--	--	--	--	--	--	--	--
	Simazine	µg/kg	2	RSL	29,400	BCL	--	--	--	--	21	0	0	<22	<25	--	--	--	--	--	--	--	--	--
	Stirophos	µg/kg	8.2	RSL	147,000	BCL	--	--	--	--	39	0	0	<4.36	<37	--	--	--	--	--	--	--	--	--
	Sulfotepp	µg/kg	5.2	RSL	456,000	BCL	--	--	--	--	46	0	0	<6.26	<74	--	--	--	--	--	--	--	--	--
	Sulprofos	µg/kg	--	--	--	--	--	--	--	--	46	0	0	4.24 UJ	<37	--	--	--	--	--	--	--	--	--
	Thionazin	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<5.57	<74	--	--	--	--	--	--	--	--	--
	Trichloronate	µg/kg	--	--	--	--	--	--	--	--	46	0	0	<6.25	<37	--	--	--	--	--	--	--	--	--
Petroleum Indicators	Gasoline Range Organics	mg/kg	--	--	--	--	--	--	--	--	134	1	0.7	<0.10	<19	1.5 J	1.5 J	1.5	1.5	--	--	SA-35	--	--
	Diesel Range Organics	mg/kg	--	--	--	--	--	--	--	--	450	43	9.6	<2.6	<71	2.9 J	2,800	32	210	580	2.8	SA-42	--	--
	Petroleum Hydrocarbons	mg/kg	--	--	--	--	--	--	--	--	450	18	4	<2.6	<310	3.6 J	140	40	44	42	0.94	RISB-61	--	--
	Extractable Fuel Hydrocarbons	mg/kg	--	--	--	--	--	--	--	--	54	50	92.6	<2.7	<2.7	2.7 J	250	7.3	29	56	1.9	RISB-61	--	--
	Ethanol	mg/kg	--	--	100,000	BCL	--	--	--	--	14	0	0	<1.1	55 UJ	--	--	--	--	--	--	--	--	--
	Ethylene glycol	mg/kg	3.2	RSL	100,000	BCL	--	--	--	--	14	0	0	<42	55 UJ	--	--	--	--	--	--	--	--	--
	Methanol	mg/kg	4.1	RSL	100,000	BCL	--	--	--	--	14	8	57.1	<1.1	55 UJ	0.62 JZ	16 Z	1.8	4.9	6.3	1.3	M-117	2	3.9
Other Organics	Acetic acid	µg/kg	--	--	--	--	--	--	--	--	7	0	0	<1,400	<1,600	--	--	--	--	--	--	--	--	--
	Benzenesulfonic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	23	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	Butyric acid	µg/kg	--	--	--	--	--	--	--	--	7	0	0	<1,500	<1,700	--	--	--	--	--	--	--	--	--
	4-Chlorobenzenesulfonic acid	µg/kg	70	LBCL	91,200,000	BCL	--	--	--	--	23	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	Diethylphosphorodithioate	µg/kg	--	--	100,000,000	BCL	--	--	--	--	23	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	o,o-Dimethyl Phosphorodithioate	µg/kg	--	--	100,000,000	BCL	--	--	--	--	23	0	0	<1,300	<1,300	--	--	--	--	--	--	--	--	--
	Formaldehyde	µg/kg	0.078	RSL	55,400	BCL	--	--	--	--	4	4	100	--	--	100 J+	1,000 J+	280	420	400	0.96	SA-85	4	13,000
	Formic acid	µg/kg	0.13	RSL	122,000	BCL	--	--	--	--	7	0	0	<2,000	<2,400	--	--	--	--	--	--	--	--	--
	Lactic acid	µg/kg	--	--	--	--	--	--	--	--	7	0	0	<2,700	<3,200	--	--	--	--	--	--	--	--	--
	Phthalic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	23	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	Propionic acid	µg/kg	--	--	--	--	--	--	--	--	7	0	0	<1,600	<1,800	--	--	--	--	--	--	--	--	--
	Pyruvic acid	µg/kg	--	--	--	--	--	--	--	--	7	0	0	2,400 UJ	<23,000	--	--	--	--	--	--	--	--	--

Notes:

1. Leaching-based soil screening levels (LSSLs) are calculated with a dilution attenutation factor (DAF) of 1.
   LBCL: Leaching-based Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for soil leaching, USEPA 2023.
   CAL: Where no other screening level is available, LSSLs were calculated as described in Appendix G.
   LBCL*: The perchlorate LBCL calculated by NDEP has been recalculated using the federal preliminary remediation goal of 15 µg/l.
   LBCL**: The LBCL for delta-BHC calculated by NDEP has been recalculated using a soil-water partition coefficient adjusted for the fraction of organic carbon in soil (See Table G-1).
   *LBCL: The LBCL for 4,4'-DDE was used as a surrogate LSSL for 2,4'-DDE
2. Health-based soil screening levels (HSSLs).
   SS: Site-specific values for Arsenic and Dioxin/Furan Toxicity Equivalence (TEQ) (see Appendix G text).
   BCL: Lowest level among all available indoor and outdoor industrial worker Basic Comparison Levels (BCLs), NDEP 2023.
   RSL: Regional Screening Levels for industrial soil, USEPA 2023.
3. Screening level (SL) is the lower of the LSSL and HSSL if both are available.

Detected at a rate of 5% or less, fewer than 10 samples exceeded the screening level, and the maximum concentration less than a factor of 20 above the screening level.
Detected at a rate of 5% or less with no applicable screening level.
No detections*, or maximum detected concentration is below leaching and health screening levels (if available).
Essential Nutrient, macronutrient or salt.
Individual VOCs were used to evaluate the nature and extent of impacts in soil from these compounds.

*All detections of methanol are from the 2006 Upgradient Investigation and were qualified with a Z flag as likely false positives due to cross-contamination.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.
[2] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.
[3] Ramboll. 2021. Soil Background Data Set Summary Report
[4] ERM-West, Inc.. 2009. 2008 Deep Soil Background Report, BMI Common Areas (Eastside).

TABLE 7-1c. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED MUDDY CREEK FORMATION
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
General Chemistry	Ammonia	mg/kg	--	--	27,900	BCL	--	--	--	--	155	16	10.3	<0.073	10 UJ	0.61 J	32	4.1	6.8	8.2	1.2	RISB-63	0	--
	Bicarbonate as HCO_3	mg/kg	--	--	--	--	--	--	--	--	10	8	80	<720	<790	3,600	480,000	6,900	73,000	170,000	2.3	RISB-59	--	--
	Bromide	mg/kg	103	LBCL	--	--	--	--	--	--	143	37	25.9	<0.2	<41.6	0.9 J	120	1.7	7.1	22	3	M-192	1	1.2
	Carbonate as CO_3	mg/kg	--	--	--	--	--	--	--	--	128	60	46.9	<0.689	<480	4 J	2,300	11	160	440	2.8	M-189	--	--
	Chlorate	mg/kg	1.03	LBCL	38,900	BCL	--	--	--	--	228	198	86.8	<0.0244	<12.3	0.088 J	42,000	16	630	3,300	5.3	M-191	168	41,000
	Chloride	mg/kg	--	--	--	--	--	--	--	--	144	141	97.9	<4.69	<4.69	3.8	5,600	180	480	840	1.7	SA-5	--	--
	Chlorite	mg/kg	--	--	38,900	BCL	--	--	--	--	4	0	0	<0.056	<0.067	--	--	--	--	--	--	--	--	--
	Cyanide (total)	mg/kg	2	LBCL	164	BCL	--	--	--	--	117	1	0.9	<0.14	0.82 UJ	0.6 J	0.6 J	0.6	0.6	--	--	SA-101	0	--
	Fluoride	mg/kg	600	RSL	51,900	BCL	--	--	--	--	4	4	100	--	--	1	3.5	1.4	1.9	1.1	0.61	TSB-FR-02	0	--
	Hydroxide	mg/kg	--	--	--	--	--	--	--	--	10	0	0	<180	<280	--	--	--	--	--	--	--	--	--
	Nitrate (as NO_3)	mg/kg	31	LBCL	100,000	BCL	--	--	--	--	226	200	88.5	<0.24	<5.4	1.6	450	18	34	56	1.6	RIDB-10	56	15
	Nitrate Nitrite as N	mg/kg	--	--	--	--	--	--	--	--	41	36	87.8	<1.4	<1.9	1.1 J-	100	4.2	12	22	1.9	RIDB-10	--	--
	Nitrite	mg/kg	--	--	120,000	RSL	--	--	--	--	178	22	12.4	<0.001	<29.5	0.10 J	21.3 J-	0.28	3.3	5.9	1.8	SA-14	0	--
	Perchlorate	mg/kg	0.0155	LBCL*	908	BCL	--	--	--	--	396	374	94.4	<0.015	<0.17	0.021 J	25,000	11	380	1,900	5	U4U5-62	374	1,600,000
	ortho-Phosphate	mg/kg	--	--	--	--	--	--	--	--	27	6	22.2	<0.54	<166	1.9 J	289	6.5	64	110	1.8	SA-12	--	--
	Sulfate	mg/kg	--	--	--	--	--	--	--	--	185	185	100	--	--	21	21,700	1,100	3,100	4,800	1.6	SA-28	--	--
Metals	Aluminum	mg/kg	50,100	LBCL	100,000	BCL	3,190	27,000	5,060 J	15,100 J	157	157	100	--	--	4,300	27,300	12,000	14,000	4,800	0.35	SA-48	0	--
	Antimony	mg/kg	0.3	LBCL	3,450	BCL	0.066 J-	0.34 J-	0.089 J-	0.22 J-	189	82	43.4	0.05 UJ	1.2 UJ	0.07 J-	2 J	0.76	0.77	0.57	0.74	SA-190	51	6.7
	Arsenic	mg/kg	1	LBCL	7.2	SS	2.1	45	2.2	13.1	190	190	100	--	--	4.2	76	19	20	10	0.51	RI-23	190	76
	Barium	mg/kg	82	LBCL	100,000	BCL	24	690	84.7 J+	539	190	190	100	--	--	30.5 J-	1,700 J	94	180	260	1.5	RI-18	114	21
	Beryllium	mg/kg	3	LBCL	6,130	BCL	0.17	1.1	0.29	0.67	147	147	100	--	--	0.23 J	1.27	0.51	0.56	0.19	0.34	M-120	0	--
	Boron	mg/kg	21.4	LBCL	100,000	BCL	<2.82	33	<2.82	7.6 J	190	190	100	--	--	1.8 J	85.7 J	24	26	13	0.5	SA-5	111	4
	Cadmium	mg/kg	0.4	LBCL	8,180	BCL	<0.01	0.2	<0.01	0.13	190	128	67.4	<0.04	<0.67	0.04 J	0.79	0.18	0.22	0.15	0.68	RSAR6	17	2
	Calcium	mg/kg	--	--	--	--	4,190 J	38,600 J	10,700 J	46,600 J	147	147	100	--	--	3,270	170,000	31,000	44,000	39,000	0.87	M-116	--	--
	Chromium (total)	mg/kg	180,000	RSL	--	--	2.9	56 J+	7.1	16.6	394	394	100	--	--	5.42	220	31	36	24	0.68	M-191	0	--
	Chromium VI	mg/kg	2	LBCL	117	BCL	<0.16	1.3	<0.16	1.6 J	396	155	39.1	<0.101	<0.767	0.13 J	170	1.3	8.4	23	2.8	U4U5-62	71	85
	Cobalt	mg/kg	0.453	LBCL	385	BCL	1.6	17	5.3 J	10.8 J	190	190	100	--	--	1.9 J	39.7	5.7	6	2.9	0.49	SA-142	190	88
	Copper	mg/kg	45.8	LBCL	51,900	BCL	4.1	27	8.8 J+	24	190	190	100	--	--	8.1	105 J	16	18	9.4	0.53	M-116	3	2.3
	Iron	mg/kg	589	LBCL	100,000	BCL	3,620	26,000	11,200	22,500 J	190	190	100	--	--	5,100	28,000	14,000	14,000	4,000	0.28	RI-23	190	48
	Lead	mg/kg	14	RSL	800	BCL	4.4 J-	16.1	4.9	15.8 J	190	190	100	--	--	2.5 J	32.3	8.1	8.4	2.7	0.32	SA-142	2	2.3
	Lithium	mg/kg	20	LBCL	2,600	BCL	18.3	189	<1.46	124	4	2	50	<32.85	<32.85	47.4 J-	133	90	90	61	0.67	TSB-FR-02	2	6.7
	Magnesium	mg/kg	889	LBCL	100,000	BCL	2,780 J+	31,000 J	4,990 J	12,500	190	190	100	--	--	6,050 J-	65,000	27,000	30,000	14,000	0.47	RIDB-4	190	73
	Manganese	mg/kg	305	LBCL	100,000	BCL	126	1,200 J-	217	579 J	199	199	100	--	--	90	3,600 J	250	330	370	1.1	RISB-59	67	12
	Mercury	mg/kg	0.104	LBCL	3.13	BCL	<0.00668	0.12	<0.00668	0.0235 J	189	127	67.2	<0.002	<0.153	0.002 J	0.21 J	0.009	0.018	0.033	1.8	RI-12	4	2
	Molybdenum	mg/kg	3.37	LBCL	6,490	BCL	<0.105	<6.0	<0.105	1.9	190	153	80.5	<0.532	<2.7	0.27 J	4.2	0.72	0.88	0.55	0.63	M-193	2	1.2
	Nickel	mg/kg	7	LBCL	56,600	BCL	4.5	33	8.5	27.5	190	190	100	--	--	6.2	30	14	15	4.5	0.29	M-193	189	4.3
	Niobium	mg/kg	1.17	LBCL	130	BCL	<1.51	4 J	<1.51	3.8 J+	35	0	0	3 UJ	7.5 UJ	--	--	--	--	--	--	--	--	--
	Palladium	mg/kg	--	--	--	--	<0.097	1	0.2 J	2.2	3	3	100	--	--	0.25 J	0.48	0.32	0.35	0.12	0.34	TSB-FR-02	--	--
	Phosphorus (total)	mg/kg	6,050	CAL	100,000	BCL	299 J	1,400	649 J	1,930 J	161	161	100	--	--	63	1,400	660	650	190	0.3	M-193	0	--
	Platinum	mg/kg	12	LBCL	5,190	BCL	<0.02	0.033 J	<0.02	0.049 J	147	112	76.2	<0.007	<0.12	0.005 J	0.429	0.012	0.018	0.042	2.3	M-116	0	--
	Potassium	mg/kg	--	--	--	--	1,030	6,190 J	850 J	2,450 J	147	147	100	--	--	1,050 J-	9,190 J	3,200	3,300	1,100	0.34	SA-32	--	--
	Selenium	mg/kg	0.3	LBCL	6,490	BCL	<0.32	3.0	<0.32	<0.32	157	27	17.2	<0.13	<1.1	0.11 J	1.2 J-	0.7	0.57	0.43	0.75	SA-212	14	4
	Silicon	mg/kg	--	--	--	--	188 J+	1,000	139 J+	1,080	13	13	100	--	--	86 J	1,200	270	430	380	0.89	TSB-FR-02	--	--
	Silver	mg/kg	1.42	LBCL	100,000	BCL	0.051 J+	0.82	0.074 J	2.2	190	36	18.9	<0.021	<2.0	0.021 J	2.3	0.14	0.26	0.48	1.8	SA-28	2	1.6
	Sodium	mg/kg	--	--	--	--	259	1,200 J	428	3,250 J	147	147	100	--	--	219	6,630	1,200	1,400	1,000	0.72	SA-161	--	--
	Strontium	mg/kg	420	RSL	100,000	BCL	68.5	580 J-	123 J	793 J	184	184	100	--	--	59	5,670	160	280	520	1.9	SA-50	13	14
	Sulfur	mg/kg	--	--	--	--	--	--	--	--	8	6	75	<217	<590	833	2,690	1,700	1,800	630	0.36	TSB-FR-02	--	--
	Thallium	mg/kg	0.4	LBCL	13	BCL	<0.2	<0.25	0.15 J+	0.34 J+	190	137	72.1	<0.074	<1.5	0.072	0.477 J	0.18	0.19	0.074	0.38	SA-142	3	1.2
	Tin	mg/kg	3,000	RSL	100,000	BCL	<0.0526	0.96	<0.0526	0.78	147	133	90.5	<0.3	<15.3	0.36	9 J	4.3	4	1.6	0.4	SA-31	0	--
	Titanium	mg/kg	134,000	LBCL	100,000	BCL	175 J+	1,000	445 J	912 J	147	147	100	--	--	363	1,100	660	670	150	0.23	RSAO3	0	--
	Tungsten	mg/kg	4.01	LBCL	1,040	BCL	<0.2	0.58 J-	0.19 J	3.6 J	183	134	73.2	0.5 UJ	7.3 UJ	0.065 J	1.93 J	0.27	0.32	0.21	0.65	SA-142	0	--
	Uranium (total)	mg/kg	13.5	LBCL	3,830	BCL	0.31	5.5	0.89	2.8	147	147	100	--	--	0.761	29	3	3.7	3.3	0.88	SA-46	4	2.1
	Vanadium	mg/kg	300	LBCL	100,000	BCL	10 J+	60	26.7 J+	73.3 J	177	177	100	--	--	16.3	83	40	41	11	0.27	RI-4	0	--
	Zinc	mg/kg	620	LBCL	100,000	BCL	16.1	61.3	18.1 J-	41.2	157	157	100	--	--	13	93.6	35	37	12	0.33	M-117	0	--
	Zirconium	mg/kg	4.8	RSL	104	BCL	6.2 J	48 J+	15.9 J-	33.9 J	41	41	100	--	--	17	56	34	35	10	0.29	RI-12	41	12
Radionuclides	Radium-226	pCi/g	--	--	0.023	BCL	0.426	1.42	0.981 J-	2.29 J-	170	170	100	--	--	0.595	8.57 J-	1.6	1.9	1.2	0.63	RSAO4	170	370

TABLE 7-1c. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED MUDDY CREEK FORMATION
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Radionuclides	Radium-228	pCi/g	--	--	0.046	BCL	0.989 J-	1.55 J-	0.855 J	2.31 J-	170	170	100	--	--	0.176 U	4.93	1	1.1	0.49	0.44	RSAJ8	170	110
	Thorium-228	pCi/g	0.0027	LBCL	0.026	BCL	0.706	2.25	1.11	2.3	154	154	100	--	--	0.615	2.55	1.3	1.3	0.33	0.25	SA-87	154	940
	Thorium-230	pCi/g	0.001	LBCL	14	BCL	0.454	1.48	1.05	2.72	154	154	100	--	--	0.907 J	7.96	2.1	2.4	1.1	0.48	SA-183	154	8,000
	Thorium-232	pCi/g	0.0035	LBCL	13	BCL	0.430	2.11	0.908	2.01	154	154	100	--	--	0.539 J	1.96 J	1.2	1.2	0.31	0.26	SA-87	154	560
	Uranium-234	pCi/g	--	--	18	BCL	0.533	3.48	0.868 J	2.63	121	121	100	--	--	0.785 J	7.84	2.2	2.5	1.2	0.46	SA-46	0	--
	Uranium-235	pCi/g	--	--	0.33	BCL	-0.00539 U	0.180	0.0121 U	0.116 J	121	121	100	--	--	0.0186 U	0.952	0.12	0.14	0.1	0.71	TSB-FJ-06	3	2.9
	Uranium-238	pCi/g	--	--	1.5	BCL	0.391	1.83	0.993 J	2.79	121	121	100	--	--	0.792 J	7.35	2.1	2.4	1.1	0.47	SA-183	105	4.9
VOCs	Acetone	µg/kg	800	LBCL	100,000,000	BCL	--	--	--	--	394	120	30.5	<0.27	<280	2.7 J	1,000 J	16	48	140	2.9	U4U5-34	2	1.2
	Acetonitrile	µg/kg	26	RSL	3,410,000	BCL	--	--	--	--	4	0	0	<5.8	<7.8	--	--	--	--	--	--	--	--	--
	t-Amyl methyl ether	µg/kg	--	--	--	--	--	--	--	--	390	0	0	<0.033	<26	--	--	--	--	--	--	--	--	--
	Benzene	µg/kg	2	LBCL	5,310	BCL	--	--	--	--	394	3	0.8	<0.033	<85	1.6 J	9,600	260	3,300	5,500	1.7	RSAO2	2	4,800
	Bromobenzene	µg/kg	42	RSL	679,000	BCL	--	--	--	--	394	0	0	<0.033	<76	--	--	--	--	--	--	--	--	--
	Bromochloromethane	µg/kg	21	RSL	628,000	BCL	--	--	--	--	394	0	0	<0.033	<76	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/kg	30	LBCL	1,300	BCL	--	--	--	--	394	6	1.5	<0.033	<94	0.63 J	2.1 J	1.2	1.3	0.51	0.4	U4U5-59	0	--
	Bromoform	µg/kg	40	LBCL	95,300	BCL	--	--	--	--	394	5	1.3	<0.063	<78	2.6 J	5.4 J	2.9	3.4	1.1	0.34	U4U5-65	0	--
	Bromomethane	µg/kg	10	LBCL	30,300	BCL	--	--	--	--	394	0	0	<0.033	<150	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/kg	1,200	RSL	28,400,000	BCL	--	--	--	--	394	46	11.7	<0.17	<110	0.96 J	240 J	2.1	12	40	3.5	SA-161	0	--
	n-Butylbenzene	µg/kg	3,200	RSL	108,000	BCL	--	--	--	--	394	0	0	<0.033	<140	--	--	--	--	--	--	--	--	--
	sec-Butylbenzene	µg/kg	5,900	RSL	145,000	BCL	--	--	--	--	394	0	0	<0.033	<120	--	--	--	--	--	--	--	--	--
	tert-Butylbenzene	µg/kg	1,600	RSL	183,000	BCL	--	--	--	--	394	0	0	<0.033	<110	--	--	--	--	--	--	--	--	--
	Carbon disulfide	µg/kg	2,000	LBCL	738,000	BCL	--	--	--	--	4	0	0	<0.13	<0.17	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	µg/kg	3	LBCL	2,960	BCL	--	--	--	--	394	17	4.3	<0.033	<83	0.90 J+	610 J	6.1	60	150	2.6	RSAO2	10	200
	Chlorobenzene	µg/kg	70	LBCL	1,370,000	BCL	--	--	--	--	394	4	1	<0.033	<89	1.1 J	19,000	850	5,200	9,300	1.8	RSAO2	2	270
	Chloroethane	µg/kg	2,400	RSL	2,120,000	BCL	--	--	--	--	394	0	0	<0.066	<89	--	--	--	--	--	--	--	--	--
	Chloroform	µg/kg	30	LBCL	1,390	BCL	--	--	--	--	394	279	70.8	<0.14	<7.9	0.46 J	8,600	38	190	640	3.3	RSAO2	147	290
	1-Chlorohexane	µg/kg	--	--	--	--	--	--	--	--	7	0	0	<4.7	<7.9	--	--	--	--	--	--	--	--	--
	Chloromethane	µg/kg	49	RSL	464,000	BCL	--	--	--	--	394	0	0	<0.033	<110	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	µg/kg	230	RSL	907,000	BCL	--	--	--	--	394	0	0	<0.033	<120	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	µg/kg	240	RSL	26,000,000	BCL	--	--	--	--	394	0	0	<0.033	<100	--	--	--	--	--	--	--	--	--
	Cumene	µg/kg	740	RSL	10,400,000	BCL	--	--	--	--	394	0	0	<0.033	<92	--	--	--	--	--	--	--	--	--
	p-Cymene	µg/kg	--	--	655,000	BCL	--	--	--	--	394	0	0	<0.033	<120	--	--	--	--	--	--	--	--	--
	1,2-Dibromo-3-chloropropane	µg/kg	0.086	RSL	64.9	BCL	--	--	--	--	394	0	0	<0.066	<130	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	µg/kg	20	LBCL	43,300	BCL	--	--	--	--	394	5	1.3	<0.033	<61	0.57 J	2.2 J	1.7	1.5	0.61	0.4	U4U5-59	0	--
	1,2-Dibromoethane	µg/kg	0.014	RSL	168	BCL	--	--	--	--	390	0	0	<0.033	<56	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/kg	2.1	RSL	98,900	BCL	--	--	--	--	394	0	0	<0.033	<61	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/kg	900	LBCL	376,000	BCL	--	--	--	--	394	8	2	<0.033	<72	0.44 J	1,200	1.1	160	420	2.7	RSAO2	1	1.3
	1,3-Dichlorobenzene	µg/kg	--	--	373,000	BCL	--	--	--	--	394	8	2	<0.033	<96	0.76 J	15	2.3	4.1	4.7	1.2	SA-14	0	--
	1,4-Dichlorobenzene	µg/kg	100	LBCL	11,500	BCL	--	--	--	--	394	10	2.5	<0.033	<130	0.74 J	2,200	2	240	690	2.9	RSAO2	2	22
	Dichlorodifluoromethane	µg/kg	300	RSL	368,000	BCL	--	--	--	--	394	0	0	<0.066	<96	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethane	µg/kg	1,000	LBCL	15,800	BCL	--	--	--	--	394	6	1.5	<0.033	<85	0.98 J	3.0 J	1.6	1.6	0.74	0.45	SA-28	0	--
	1,2-Dichloroethane	µg/kg	1	LBCL	2,100	BCL	--	--	--	--	394	0	0	<0.033	<65	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethene	µg/kg	3	LBCL	1,000,000	BCL	--	--	--	--	394	21	5.3	<0.033	<68	0.54 J	11	2.2	2.9	2.5	0.85	RSAQ4	8	3.7
	1,2-Dichloroethene	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.12	<0.16	--	--	--	--	--	--	--	--	--
	cis-1,2-Dichloroethene	µg/kg	20	LBCL	400,000	BCL	--	--	--	--	394	2	0.5	<0.033	<57	0.81 J	0.94 J	0.88	0.88	0.092	0.11	RSAT4	0	--
	trans-1,2-Dichloroethene	µg/kg	30	LBCL	304,000	BCL	--	--	--	--	394	0	0	<0.033	<96	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/kg	1	LBCL	11,700	BCL	--	--	--	--	394	0	0	<0.033	<72	--	--	--	--	--	--	--	--	--
	1,3-Dichloropropane	µg/kg	1	LBCL	26,000,000	BCL	--	--	--	--	394	0	0	<0.033	<67	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	µg/kg	--	--	--	--	--	--	--	--	394	0	0	<0.033	<61	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	394	0	0	<0.033	<74	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	394	0	0	<0.033	<63	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	394	0	0	<0.033	<68	--	--	--	--	--	--	--	--	--
	Diisopropyl ether	µg/kg	370	RSL	2,260,000	BCL	--	--	--	--	390	0	0	<0.033	<45	--	--	--	--	--	--	--	--	--
	Dimethyl disulfide	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	2,2-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.3	<0.4	--	--	--	--	--	--	--	--	--
	2,3-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.24	<0.32	--	--	--	--	--	--	--	--	--
	2,4-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.21	<0.28	--	--	--	--	--	--	--	--	--

TABLE 7-1c. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED MUDDY CREEK FORMATION
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
VOCs	3,3-Dimethylpentane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.22	<0.29	--	--	--	--	--	--	--	--
	Ethanol	mg/kg	--	--	100,000	BCL	--	--	--	--	4	0	0	0.051 UJ	0.068 UJ	--	--	--	--	--	--	--	--
	Ethyl benzene	µg/kg	700	LBCL	26,600	BCL	--	--	--	--	394	0	0	<0.033	<170	--	--	--	--	--	--	--	--
	Ethyl tert-butyl ether	µg/kg	17	RSL	560,000	RSL	--	--	--	--	390	3	0.8	<0.033	<45	2.2 J	7.5 J	4.4	4.7	2.7	0.57	U4U5-34	0	--
	3-Ethylpentane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.23	<0.3	--	--	--	--	--	--	--	--	--
	Freon 113	µg/kg	26,000	RSL	910,000	BCL	--	--	--	--	7	0	0	<0.16	<5.2	--	--	--	--	--	--	--	--	--
	n-Heptane	µg/kg	30	LBCL	220,000	BCL	--	--	--	--	4	0	0	<0.18	<0.24	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/kg	100	LBCL	5,610	BCL	--	--	--	--	390	7	1.8	<0.033	<140	1.1 J	10	1.4	2.7	3.3	1.2	RSAJ6	0	--
	2-Hexanone	µg/kg	8.8	RSL	1,490,000	BCL	--	--	--	--	394	0	0	<0.17	<140	--	--	--	--	--	--	--	--	--
	Iodomethane	µg/kg	--	--	1,370,000	BCL	--	--	--	--	4	0	0	<0.13	<0.18	--	--	--	--	--	--	--	--	--
	Methyl tert-butyl ether	µg/kg	3.2	RSL	217,000	BCL	--	--	--	--	394	2	0.5	<0.033	<57	1.8 J	2.5 J	2.1	2.1	0.49	0.23	U4U5-34	0	--
	Methylene Chloride	µg/kg	1	LBCL	1,130,000	BCL	--	--	--	--	394	24	6.1	<0.17	<70	0.47 J	200 J	0.85	10	41	4.1	U4U5-48	10	200
	2-Methylhexane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.22	<0.29	--	--	--	--	--	--	--	--	--
	3-Methylhexane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.15	<0.2	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	390	2	0.5	<0.066	<170	4.5 J	4.5 J	4.5	4.5	0	0	U4U5-23	0	--
	2-Nitropropane	µg/kg	0.0025	RSL	278	BCL	--	--	--	--	4	0	0	<0.65	<0.87	--	--	--	--	--	--	--	--	--
	n-Nonyl aldehyde	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.5	0.68 UJ	--	--	--	--	--	--	--	--	--
	4-Methyl-2-pentanone	µg/kg	1,400	RSL	3,360,000	BCL	--	--	--	--	394	3	0.8	<0.083	<120	0.72 J	1.3 J	1.3	1.1	0.33	0.3	SA-46	0	--
	n-Propylbenzene	µg/kg	1,200	RSL	264,000	BCL	--	--	--	--	394	0	0	<0.033	<94	--	--	--	--	--	--	--	--	--
	Styrene	µg/kg	200	LBCL	867,000	BCL	--	--	--	--	394	0	0	<0.033	<83	--	--	--	--	--	--	--	--	--
	1,1,1,2-Tetrachloroethane	µg/kg	0.22	RSL	9,070	BCL	--	--	--	--	394	0	0	<0.033	<52	--	--	--	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	µg/kg	0.2	LBCL	2,910	BCL	--	--	--	--	394	0	0	<0.033	<74	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	µg/kg	3	LBCL	107,000	BCL	--	--	--	--	394	55	14	<0.033	<90	0.65 J	42	2.1	4	7	1.7	RSAT4	15	14
	Toluene	µg/kg	600	LBCL	818,000	BCL	--	--	--	--	394	61	15.5	<0.033	<59	0.36 J	5.7 J	0.83	1.2	0.96	0.8	RSAU4	0	--
	1,2,3-Trichlorobenzene	µg/kg	21	RSL	151,000	BCL	--	--	--	--	394	9	2.3	<0.033	<140	1.4 J	38	2.6	7.8	12	1.6	SA-212	1	1.8
	1,2,4-Trichlorobenzene	µg/kg	300	LBCL	125,000	BCL	--	--	--	--	394	11	2.8	<0.033	<170	0.93 J	8.5 J	3.3	3.9	2.8	0.73	SA-212	0	--
	1,3,5-Trichlorobenzene	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.4	<0.53	--	--	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	µg/kg	100	LBCL	640,000	BCL	--	--	--	--	394	0	0	<0.033	<39	--	--	--	--	--	--	--	--	--
	1,1,2-Trichloroethane	µg/kg	0.9	LBCL	5,280	BCL	--	--	--	--	394	0	0	<0.033	<110	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/kg	3	LBCL	6,310	BCL	--	--	--	--	394	50	12.7	<0.033	<74	0.52 J	240 J	1.6	9.3	35	3.7	U4U5-48	17	80
	Trichlorofluoromethane	µg/kg	3,300	RSL	1,230,000	BCL	--	--	--	--	394	13	3.3	<0.033	<61	1.1 J	27	2.4	4.6	6.9	1.5	SA-57	0	--
	1,2,3-Trichloropropane	µg/kg	0.00032	RSL	121	BCL	--	--	--	--	394	1	0.3	<0.033	<98	1.6 J	1.6 J	1.6	1.6	--	--	SA-193	1	5,000
	1,2,4-Trimethylbenzene	µg/kg	81	RSL	219,000	BCL	--	--	--	--	394	2	0.5	<0.033	<120	1.5 J	2.0 J	1.8	1.8	0.35	0.2	U4U5-77	0	--
	1,3,5-Trimethylbenzene	µg/kg	87	RSL	182,000	BCL	--	--	--	--	394	0	0	<0.033	<96	--	--	--	--	--	--	--	--	--
	2,2,3-Trimethylbutane	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.23	<0.3	--	--	--	--	--	--	--	--	--
	Vinyl acetate	µg/kg	8,000	LBCL	2,750,000	BCL	--	--	--	--	4	0	0	<0.26	<0.35	--	--	--	--	--	--	--	--	--
	Vinyl chloride	µg/kg	0.7	LBCL	1,870	BCL	--	--	--	--	394	0	0	<0.033	<87	--	--	--	--	--	--	--	--	--
	m,p-Xylene	µg/kg	--	--	--	--	--	--	--	--	370	0	0	<0.066	<180	--	--	--	--	--	--	--	--	--
	o-Xylene	µg/kg	9,000	LBCL	434,000	BCL	--	--	--	--	370	0	0	<0.033	<120	--	--	--	--	--	--	--	--	--
	Xylenes (total)	µg/kg	10,000	LBCL	260,000	BCL	--	--	--	--	234	0	0	<0.066	<23	--	--	--	--	--	--	--	--	--
	tert Butyl alcohol	µg/kg	32	RSL	7,270,000	BCL	--	--	--	--	383	13	3.4	<0.33	1,300 UJ	12 NJ	300	28	90	100	1.2	U4U5-34	6	9.4
SVOCs	Acenaphthene	µg/kg	29,000	LBCL	118,000	BCL	--	--	--	--	159	0	0	<1.1	<910	--	--	--	--	--	--	--	--	--
	Acenaphthylene	µg/kg	--	--	44,000	BCL	--	--	--	--	159	2	1.3	<0.77	<950	1.4 J	2.0 J	1.7	1.7	0.42	0.25	SA-110	0	--
	Acetophenone	µg/kg	580	RSL	2,520,000	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--	--
	Aniline	µg/kg	4.6	RSL	619,000	BCL	--	--	--	--	37	0	0	<36	<1,200	--	--	--	--	--	--	--	--	--
	Anthracene	µg/kg	590,000	LBCL	4,260	BCL	--	--	--	--	159	0	0	<1.3	<1,100	--	--	--	--	--	--	--	--	--
	Azobenzene	µg/kg	0.93	RSL	28,900	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--	--
	Benzenethiol	µg/kg	11	RSL	1,260,000	BCL	--	--	--	--	4	0	0	<130	<180	--	--	--	--	--	--	--	--	--
	Benzidine	µg/kg	0.00028	RSL	15.3	BCL	--	--	--	--	32	0	0	<800	9,000 UJ	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	µg/kg	80	LBCL	9,980	BCL	--	--	--	--	159	13	8.2	<0.60	<950	1.1 J	39	3.9	8.7	10	1.2	SA-213	0	--
	Benzo(a)pyrene	µg/kg	400	LBCL	3,500	BCL	--	--	--	--	159	9	5.7	<0.70	<910	2.5 J	33 J	9	11	9.4	0.88	SA-213	0	--
	Benzo(b)fluoranthene	µg/kg	200	LBCL	35,000	BCL	--	--	--	--	159	10	6.3	<1.2	<950	2.5 J	33 J	12	12	9.4	0.77	SA-213	0	--
	Benzo(g,h,i)perylene	µg/kg	3,900,000	CAL	25,100,000	BCL	--	--	--	--	159	8	5	<1.21686	<1,500	2.2 J	33 J	10	12	9.5	0.76	SA-213	0	--
	Benzo(k)fluoranthene	µg/kg	2,000	LBCL	350,000	BCL	--	--	--	--	159	9	5.7	<0.86	<950	2.1 J	41	10	12	12	0.98	SA-213	0	--
	Benzoic acid	µg/kg	20,000	LBCL	100,000,000	BCL	--	--	--	--	35	0	0	<36	<4,600	--	--	--	--	--	--	--	--	--
	Benzyl alcohol	µg/kg	480	RSL	91,200,000	BCL	--	--	--	--	37	0	0	<36	<2,000	--	--	--	--	--	--	--	--	--

TABLE 7-1c. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED MUDDY CREEK FORMATION
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
SVOCs	4-Bromophenyl-phenyl ether	µg/kg	--	--	--	--	--	--	--	--	37	0	0	<36	<1,000	--	--	--	--	--	--	--	--	--
	Butylbenzylphthalate	µg/kg	810,000	LBCL	1,860,000	BCL	--	--	--	--	163	6	3.7	<1.90026	<1,100	2.9 J	12 J	5	5.9	3.2	0.54	SA-47	0	--
	Carbazole	µg/kg	30	LBCL	176,000	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--	--
	4-Chloroaniline	µg/kg	30	LBCL	17,600	BCL	--	--	--	--	37	0	0	<36	<1,800	--	--	--	--	--	--	--	--	--
	2-Chloronaphthalene	µg/kg	3,900	RSL	175,000	BCL	--	--	--	--	37	0	0	<36	<910	--	--	--	--	--	--	--	--	--
	2-Chlorophenol	µg/kg	200	LBCL	6,490,000	BCL	--	--	--	--	37	0	0	<36	<950	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl-phenyl ether	µg/kg	--	--	--	--	--	--	--	--	37	0	0	<36	<1,200	--	--	--	--	--	--	--	--	--
	4-Chlorothioanisole	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<8.2	<11	--	--	--	--	--	--	--	--	--
	4-Chlorothiophenol	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<200	<270	--	--	--	--	--	--	--	--	--
	Chrysene	µg/kg	8,000	LBCL	3,500,000	BCL	--	--	--	--	159	14	8.8	<1.1	<1,000	1.6 J	48	4.3	11	13	1.1	SA-213	0	--
	Di-n-butylphthalate	µg/kg	270,000	LBCL	91,200,000	BCL	--	--	--	--	163	60	36.8	<35	<1,200	39 J	2,000 J+	86	140	280	2	SA-57	0	--
	Di-n-octylphthalate	µg/kg	57,000	RSL	9,120,000	BCL	--	--	--	--	163	0	0	<0.80807	<1,200	--	--	--	--	--	--	--	--	--
	Dibenz(a,h)anthracene	µg/kg	80	LBCL	3,500	BCL	--	--	--	--	159	0	0	<0.80	<1,400	--	--	--	--	--	--	--	--	--
	Dibenzofuran	µg/kg	150	RSL	171,000	BCL	--	--	--	--	37	0	0	<36	<910	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	µg/kg	0.3	LBCL	7,840	BCL	--	--	--	--	37	0	0	<36	<2,000	--	--	--	--	--	--	--	--	--
	2,2'-/4,4'-Dichlorobenzil	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<140	<170	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	µg/kg	50	LBCL	2,740,000	BCL	--	--	--	--	37	0	0	<36	<910	--	--	--	--	--	--	--	--	--
	Diethylphthalate	µg/kg	6,100	RSL	100,000,000	BCL	--	--	--	--	163	1	0.6	<6.5	<1,300	70 J	70 J	70	70	--	--	SA-180	0	--
	2,4-Dimethylphenol	µg/kg	400	LBCL	18,200,000	BCL	--	--	--	--	37	0	0	<36	<1,800	--	--	--	--	--	--	--	--	--
	Dimethylphthalate	µg/kg	87,800	CAL	100,000,000	BCL	--	--	--	--	163	0	0	<0.91269	<910	--	--	--	--	--	--	--	--	--
	2,4-Dinitrophenol	µg/kg	10	LBCL	1,820,000	BCL	--	--	--	--	37	0	0	<350	<4,500	--	--	--	--	--	--	--	--	--
	2,4-Dinitrotoluene	µg/kg	0.04	LBCL	11,400	BCL	--	--	--	--	37	0	0	<36	<1,100	--	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	µg/kg	0.03	LBCL	2,350	BCL	--	--	--	--	37	0	0	<36	<1,300	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/kg	0.094	RSL	27,200	BCL	--	--	--	--	130	1	0.8	<2.62796	<550	13 J	13 J	13	13	--	--	RSAR5	1	140
	Diphenyl disulfide	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<31	<41	--	--	--	--	--	--	--	--	--
	Diphenyl sulfide	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<3.8	<5.1	--	--	--	--	--	--	--	--	--
	Diphenyl sulfone	µg/kg	36	RSL	729,000	BCL	--	--	--	--	4	0	0	<7.1	<9.6	--	--	--	--	--	--	--	--	--
	1,2-Diphenylhydrazine	µg/kg	0.25	RSL	4,410	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--	--
	Fluoranthene	µg/kg	210,000	LBCL	33,500,000	BCL	--	--	--	--	163	16	9.8	<1.0669	<950	1.5 J	70	6.2	15	18	1.2	SA-213	0	--
	Fluorene	µg/kg	28,000	LBCL	93,100	BCL	--	--	--	--	163	0	0	<0.72	<950	--	--	--	--	--	--	--	--	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	163	10	6.1	<0.87	<950	3.9 J	48	8.8	16	15	0.92	SA-213	0	--
	Hexachlorobutadiene	µg/kg	100	LBCL	5,610	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--	--
	Hexachlorocyclopentadiene	µg/kg	20,000	LBCL	7,460	BCL	--	--	--	--	37	0	0	<160	<1,800	--	--	--	--	--	--	--	--	--
	Hexachloroethane	µg/kg	20	LBCL	8,470	BCL	--	--	--	--	37	0	0	<36	<1,800	--	--	--	--	--	--	--	--	--
	Hydroxymethyl phthalimide	µg/kg	--	--	--	--	--	--	--	--	4	0	0	47 UJ	63 UJ	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	µg/kg	700	LBCL	35,000	BCL	--	--	--	--	159	8	5	<0.92	<1,800	1.9 J	20 J	8.8	9.2	5.5	0.59	SA-213	0	--
	Isophorone	µg/kg	30	LBCL	3,710,000	BCL	--	--	--	--	37	0	0	<36	<910	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene	µg/kg	6	RSL	121,000	BCL	--	--	--	--	33	0	0	<180	<2,000	--	--	--	--	--	--	--	--	--
	2-Methylnaphthalene	µg/kg	190	RSL	368,000	BCL	--	--	--	--	163	1	0.6	<0.59	<950	54	54	54	54	--	--	SA-213	0	--
	2-Methylphenol	µg/kg	800	LBCL	45,600,000	BCL	--	--	--	--	37	0	0	<96	<1,100	--	--	--	--	--	--	--	--	--
	3&4-Methylphenol	µg/kg	300	RSL	16,000,000	RSL	--	--	--	--	37	0	0	<72	<1,800	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	163	4	2.5	<0.88	<910	1.3 J	1.5 J	1.4	1.4	0.096	0.067	SA-142	0	--
	2-Nitroaniline	µg/kg	80	RSL	8,840,000	BCL	--	--	--	--	37	0	0	<36	<910	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	µg/kg	--	--	--	--	--	--	--	--	37	0	0	<36	<1,800	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	µg/kg	1.6	RSL	176,000	BCL	--	--	--	--	37	0	0	<160	<1,800	--	--	--	--	--	--	--	--	--
	Nitrobenzene	µg/kg	7	LBCL	22,500	BCL	--	--	--	--	163	0	0	<1.22338	<950	--	--	--	--	--	--	--	--	--
	2-Nitrophenol	µg/kg	--	--	--	--	--	--	--	--	37	0	0	<36	<1,800	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	µg/kg	--	--	7,290,000	BCL	--	--	--	--	37	0	0	<170	1,900 UJ	--	--	--	--	--	--	--	--	--
	n-Nitrosodiphenylamine	µg/kg	60	LBCL	720,000	BCL	--	--	--	--	37	0	0	<36	<1,100	--	--	--	--	--	--	--	--	--
	Octachlorostyrene	µg/kg	--	--	--	--	--	--	--	--	163	2	1.2	<1.96341	<31,000	7.2 J	9.0	8.1	8.1	1.3	0.16	SA-116	--	--
	Pentachlorobenzene	µg/kg	24	RSL	18,600	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--	--
	Pentachlorophenol	µg/kg	1	LBCL	8,450	BCL	--	--	--	--	37	0	0	<350	<4,600	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/kg	139	CAL	24,500	BCL	--	--	--	--	159	20	12.6	<1.09644	<910	1.9 J	35 J	3.8	7.6	7.9	1	SA-213	0	--
	Phenol	µg/kg	5,000	LBCL	100,000,000	BCL	--	--	--	--	37	0	0	<36	<1,200	--	--	--	--	--	--	--	--	--
	Phthalic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	4	0	0	270 UJ	360 UJ	--	--	--	--	--	--	--	--	--
	Pyrene	µg/kg	210,000	LBCL	44,000	BCL	--	--	--	--	159	16	10.1	<0.81337	<1,800	1.6 J	70	4.8	14	18	1.3	SA-213	0	--

TABLE 7-1c. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED MUDDY CREEK FORMATION
Nevada Environmental Response Trust Site
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Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects							
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
SVOCs	Pyridine	µg/kg	6.8	RSL	1,300,000	BCL	--	--	--	--	163	0	0	<16.3531	<2,700	--	--	--	--	--	--	--	--
	1,2,4,5-Tetrachlorobenzene	µg/kg	0.79	RSL	7,990	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	µg/kg	14,000	LBCL	91,200,000	BCL	--	--	--	--	37	0	0	<36	<1,800	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	µg/kg	8	LBCL	321,000	BCL	--	--	--	--	37	0	0	<36	<1,000	--	--	--	--	--	--	--	--
	bis(2-Chloro-1-methylethyl) ether	µg/kg	260	RSL	1,020,000	BCL	--	--	--	--	4	0	0	<36	<48	--	--	--	--	--	--	--	--
	bis(2-Chloroethoxy)methane	µg/kg	13	RSL	2,740,000	BCL	--	--	--	--	37	0	0	<36	<1,800	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	µg/kg	0.02	LBCL	1,150	BCL	--	--	--	--	37	0	0	<36	<950	--	--	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	µg/kg	180,000	LBCL	252,000	BCL	--	--	--	--	163	10	6.1	<36	<1,200	160 J	1,200	250	340	310	0.9	SA-28	0	--
	bis(4-Chlorophenyl) disulfide	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<220	<290	--	--	--	--	--	--	--	--	--
	bis(4-Chlorophenyl) sulfone	µg/kg	65	RSL	729,000	BCL	--	--	--	--	4	0	0	<330	<330	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	µg/kg	1,700	RSL	91,200,000	BCL	--	--	--	--	37	0	0	<36	<950	--	--	--	--	--	--	--	--	--
	n-Nitroso-di-n-propylamine	µg/kg	0.002	LBCL	504	BCL	--	--	--	--	37	0	0	<36	<950	--	--	--	--	--	--	--	--	--
PAHs	Acenaphthene	µg/kg	29,000	LBCL	118,000	BCL	--	--	--	--	37	0	0	<4.8	<26	--	--	--	--	--	--	--	--	--
	Acenaphthylene	µg/kg	--	--	44,000	BCL	--	--	--	--	37	0	0	<4.8	<22	--	--	--	--	--	--	--	--	--
	Anthracene	µg/kg	590,000	LBCL	4,260	BCL	--	--	--	--	37	0	0	<0.72	<14	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	µg/kg	80	LBCL	9,980	BCL	--	--	--	--	37	0	0	<1.2	<14	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	µg/kg	400	LBCL	3,500	BCL	--	--	--	--	37	1	2.7	<2.1	<14	5.0 J	5.0 J	5	5	--	--	RI-28	0	--
	Benzo(b)fluoranthene	µg/kg	200	LBCL	35,000	BCL	--	--	--	--	37	0	0	<2.1	<14	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene	µg/kg	3,900,000	CAL	25,100,000	BCL	--	--	--	--	37	0	0	<4.8	<14	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	µg/kg	2,000	LBCL	350,000	BCL	--	--	--	--	37	1	2.7	<2.4	<14	5.1 J	5.1 J	5.1	5.1	--	--	RI-28	0	--
	Chrysene	µg/kg	8,000	LBCL	3,500,000	BCL	--	--	--	--	37	0	0	<1.1	<14	--	--	--	--	--	--	--	--	--
	Dibenz(a,h)anthracene	µg/kg	80	LBCL	3,500	BCL	--	--	--	--	37	0	0	<4	<14	--	--	--	--	--	--	--	--	--
	Fluoranthene	µg/kg	210,000	LBCL	33,500,000	BCL	--	--	--	--	33	0	0	<4.8	<14	--	--	--	--	--	--	--	--	--
	Fluorene	µg/kg	28,000	LBCL	93,100	BCL	--	--	--	--	33	0	0	<4.8	<14	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	µg/kg	700	LBCL	35,000	BCL	--	--	--	--	37	0	0	<2.1	<14	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/kg	4,000	LBCL	11,300	BCL	--	--	--	--	33	1	3	<4.8	<14	16 J	16 J	16	16	--	--	RI-17	0	--
	Phenanthrene	µg/kg	139	CAL	24,500	BCL	--	--	--	--	37	1	2.7	<1.8	<14	13 J	13 J	13	13	--	--	RI-2	0	--
	Pyrene	µg/kg	210,000	LBCL	44,000	BCL	--	--	--	--	37	1	2.7	<3.2	<14	5.1 J	5.1 J	5.1	5.1	--	--	RI-23	0	--
PCBs	Aroclor-1016	µg/kg	21	RSL	45,200	BCL	--	--	--	--	51	0	0	<5.3	<55	--	--	--	--	--	--	--	--	--
	Aroclor-1221	µg/kg	0.08	RSL	1,280	BCL	--	--	--	--	51	0	0	<5.3	<66	--	--	--	--	--	--	--	--	--
	Aroclor-1232	µg/kg	0.08	RSL	1,060	BCL	--	--	--	--	51	0	0	<5.3	<55	--	--	--	--	--	--	--	--	--
	Aroclor-1242	µg/kg	1.2	RSL	1,550	BCL	--	--	--	--	51	0	0	<5.3	<55	--	--	--	--	--	--	--	--	--
	Aroclor-1248	µg/kg	1.2	RSL	1,560	BCL	--	--	--	--	51	0	0	<5.3	<55	--	--	--	--	--	--	--	--	--
	Aroclor-1254	µg/kg	2	RSL	1,600	BCL	--	--	--	--	51	0	0	<2.9	<55	--	--	--	--	--	--	--	--	--
	Aroclor-1260	µg/kg	5.5	RSL	1,650	BCL	--	--	--	--	84	0	0	<2.9	<60	--	--	--	--	--	--	--	--	--
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	15	RSL	26.7	BCL	--	--	--	--	38	5	13.2	<0.020	<0.69	0.072 J	0.45 J	0.32	0.29	0.16	0.55	RI-25	0	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	25	CAL	--	--	--	--	--	--	38	15	39.5	<0.028	<3.4	0.035 J	1.7 J	0.18	0.33	0.44	1.4	RIDB-4	0	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	--	--	--	--	--	--	38	15	39.5	<0.017	<3.4	0.034 J	1.3 J	0.14	0.25	0.32	1.3	RIDB-4	0	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	--	--	--	--	--	--	38	26	68.4	<0.017	<3.4	0.063 J	2.3 J	0.19	0.33	0.46	1.4	RIDB-4	0	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	417	CAL	581	BCL	--	--	--	--	38	26	68.4	<0.019	<3.4	0.028 J	2.7 J	0.17	0.34	0.55	1.6	RIDB-4	0	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	6,960	CAL	--	--	--	--	--	--	38	34	89.5	<0.042	0.78 UJ	0.12 J	8.9 J	0.3	0.99	1.8	1.8	RIDB-4	0	--
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	pg/g	388,000	CAL	--	--	--	--	--	--	38	34	89.5	<0.36	5.5 UJ	0.46 J	32 J	1.7	3.8	6	1.6	RIDB-10	0	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/g	84.1	CAL	--	--	--	--	--	--	38	26	68.4	<0.014	<0.062	0.044 J	32	0.19	2.4	7	2.9	RI-25	0	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/g	466	CAL	--	--	--	--	--	--	38	23	60.5	<0.026	<3.4	0.084 J	23 J	0.22	2.6	6	2.4	RIDB-4	0	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/g	46.6	CAL	--	--	--	--	--	--	38	13	34.2	<0.026	<3.4	0.064 J	12 J	0.2	2.3	4	1.7	RIDB-4	0	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	38	26	68.4	<0.028	<3.4	0.045 J	44 J	0.26	3.4	9.3	2.8	RIDB-4	0	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	38	25	65.8	<0.025	<3.4	0.038 J	26 J	0.25	2.3	5.9	2.6	RIDB-4	0	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	38	29	76.3	<0.031	<3.4	0.054 J	4.5 J	0.23	0.59	0.97	1.7	RIDB-4	0	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	233	CAL	--	--	--	--	--	--	38	21	55.3	<0.029	<3.4	0.031 J	5.7 J	0.18	0.71	1.4	1.9	RIDB-4	0	--
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	3,900	CAL	--	--	--	--	--	--	38	34	89.5	<0.073	0.66 UJ	0.12 J	90	0.47	6.1	18	3	RIDB-4	0	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	3,900	CAL	--	--	--	--	--	--	38	27	71.1	<0.031	<3.4	0.052 J	38 J	0.21	3.1	8.7	2.8	RIDB-4	0	--
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	pg/g	218,000	CAL	--	--	--	--	--	--	38	34	89.5	<0.031	0.62 UJ	0.27 J	220	1.3	16	47	2.9	RIDB-4	0	--
	Total Dioxin/Furan TEQ (Calculated)	pg/g	--	--	2,700	SS	--	--	--	--	33	33	100	--	--	0.092	18	0.23	1.5	3.7	2.5	RIDB-4	0	--
Pesticides - OCPs	Aldrin	µg/kg	20	LBCL	205	BCL	--	--	--	--	106	0	0	<0.070	<5.6	--	--	--	--	--	--	--	--	--
	alpha-BHC	µg/kg	26.6	LBCL	274,000	BCL	--	--	--	--	106	1	0.9	<0.3	<5.6	2.1	2.1	2.1	2.1	--	--	RSAJ6	0	--
	beta-BHC	µg/kg	5.45	LBCL	54,700	BCL	--	--	--	--	106	1	0.9	<0.2	<5.6	1.7 J	1.7 J	1.7	1.7	--	--	RSAQ3	0	--

TABLE 7-1c. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED MUDDY CREEK FORMATION
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Pesticides - OCPs	delta-BHC	µg/kg	58.3	LBCL**	333,000	BCL	--	--	--	--	106	1	0.9	<0.089	<5.6	2.2	2.2	2.2	2.2	--	--	RSAJ6	0	--
	gamma-BHC	µg/kg	0.5	LBCL	11,100	BCL	--	--	--	--	106	0	0	<0.12	<5.6	--	--	--	--	--	--	--	--	--
	Chlordane (total)	µg/kg	--	--	--	--	--	--	--	--	73	0	0	<1.9	<12	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	µg/kg	490	RSL	500,000	RSL	--	--	--	--	106	0	0	<0.15	<7.5	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	µg/kg	1,400	RSL	500,000	RSL	--	--	--	--	106	1	0.9	<0.089	<5.6	2.1 J	2.1 J	2.1	2.1	--	--	RSAQ3	0	--
	2,4'-DDD	µg/kg	--	--	--	--	--	--	--	--	4	0	0	<0.33	<0.44	--	--	--	--	--	--	--	--	--
	4,4'-DDD	µg/kg	800	LBCL	14,700	BCL	--	--	--	--	106	0	0	<0.096	<5.6	--	--	--	--	--	--	--	--	--
	2,4'-DDE	µg/kg	3,000	*LBCL	--	--	--	--	--	--	37	0	0	<0.21	<5.6	--	--	--	--	--	--	--	--	--
	4,4'-DDE	µg/kg	3,000	LBCL	10,300	BCL	--	--	--	--	106	1	0.9	<0.078	<5.6	9.4	9.4	9.4	9.4	--	--	RSAQ3	0	--
	4,4'-DDT	µg/kg	2,000	LBCL	10,600	BCL	--	--	--	--	106	2	1.9	<0.17	<5.6	2.4 J	7.5	5	5	3.6	0.73	SA-48	0	--
	Dieldrin	µg/kg	0.2	LBCL	220	BCL	--	--	--	--	106	0	0	<0.098	<5.6	--	--	--	--	--	--	--	--	--
	Endosulfan I	µg/kg	--	--	--	--	--	--	--	--	106	0	0	<0.10	<5.6	--	--	--	--	--	--	--	--	--
	Endosulfan II	µg/kg	--	--	--	--	--	--	--	--	106	0	0	<0.091	<5.6	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	µg/kg	2,100	RSL	4,900,000	RSL	--	--	--	--	106	0	0	<0.090	<7.5	--	--	--	--	--	--	--	--	--
	Endrin	µg/kg	50	LBCL	274,000	BCL	--	--	--	--	106	0	0	<0.089	<5.6	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	µg/kg	--	--	--	--	--	--	--	--	106	0	0	<0.19	<5.6	--	--	--	--	--	--	--	--	--
	Endrin ketone	µg/kg	--	--	--	--	--	--	--	--	106	0	0	<0.12	<7.5	--	--	--	--	--	--	--	--	--
	Heptachlor	µg/kg	1,000	LBCL	696	BCL	--	--	--	--	106	0	0	<0.088	<7.5	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	µg/kg	30	LBCL	366	BCL	--	--	--	--	106	0	0	<0.11	<7.5	--	--	--	--	--	--	--	--	--
	Hexachlorobenzene	µg/kg	100	LBCL	231	BCL	--	--	--	--	68	10	14.7	0.48 UJ	<1.4	1.1 J	20	2.5	4.7	5.8	1.2	SA-29	0	--
	Methoxychlor	µg/kg	8,000	LBCL	4,560,000	BCL	--	--	--	--	106	0	0	<0.26	<14	--	--	--	--	--	--	--	--	--
	Toxaphene	µg/kg	2,000	LBCL	3,210	BCL	--	--	--	--	106	0	0	<6.2	<190	--	--	--	--	--	--	--	--	--
Pesticides - OPPs	Chlorpyrifos	µg/kg	120	RSL	912,000	BCL	--	--	--	--	14	0	0	<6.46	<11	--	--	--	--	--	--	--	--	--
	Coumaphos	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<2.80	<4.6	--	--	--	--	--	--	--	--	--
	Dasanit	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<8.15	<14	--	--	--	--	--	--	--	--	--
	Demeton-O	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<5.29	<8.8	--	--	--	--	--	--	--	--	--
	Demeton-S	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<4.86	<8.1	--	--	--	--	--	--	--	--	--
	Diazinon	µg/kg	65	RSL	638,000	BCL	--	--	--	--	14	0	0	<7.27	<12	--	--	--	--	--	--	--	--	--
	Dichlorovos	µg/kg	0.081	RSL	12,200	BCL	--	--	--	--	14	0	0	<7.40	<12	--	--	--	--	--	--	--	--	--
	Dimethoate	µg/kg	9.9	RSL	2,010,000	BCL	--	--	--	--	14	1	7.1	<7.08	<12	13 J	13 J	13	13	--	--	RSAP7	1	1.3
	Disulfoton	µg/kg	0.94	RSL	36,500	BCL	--	--	--	--	14	0	0	<7.73	<13	--	--	--	--	--	--	--	--	--
	EPN	µg/kg	2.8	RSL	9,120	BCL	--	--	--	--	14	0	0	<3.68	<6.1	--	--	--	--	--	--	--	--	--
	Ethoprop	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<4.93	<8.2	--	--	--	--	--	--	--	--	--
	Famphur	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<3.22	<5.3	--	--	--	--	--	--	--	--	--
	Fenthion	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<8.74	<14	--	--	--	--	--	--	--	--	--
	Guthion	µg/kg	17	RSL	2,740,000	BCL	--	--	--	--	14	0	0	<3.50	<5.8	--	--	--	--	--	--	--	--	--
	Malathion	µg/kg	100	RSL	18,200,000	BCL	--	--	--	--	14	0	0	<4.64	<7.7	--	--	--	--	--	--	--	--	--
	Merphos	µg/kg	59	RSL	1,030	BCL	--	--	--	--	14	0	0	<5.14	<8.5	--	--	--	--	--	--	--	--	--
	Methyl parathion	µg/kg	7.4	RSL	228,000	BCL	--	--	--	--	14	0	0	<6.37	<11	--	--	--	--	--	--	--	--	--
	Mevinphos	µg/kg	--	--	--	--	--	--	--	--	14	0	0	4.62 UJ	7.7 UJ	--	--	--	--	--	--	--	--	--
	Naled	µg/kg	18	RSL	1,290	BCL	--	--	--	--	14	0	0	22.6 UJ	<37	--	--	--	--	--	--	--	--	--
	Parathion	µg/kg	430	RSL	5,470,000	BCL	--	--	--	--	14	0	0	5.29 UJ	<8.8	--	--	--	--	--	--	--	--	--
	Phorate	µg/kg	3.4	RSL	182,000	BCL	--	--	--	--	14	0	0	<5.70	<9.5	--	--	--	--	--	--	--	--	--
	Prothiophos	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<3.91	<6.5	--	--	--	--	--	--	--	--	--
	Ronnel	µg/kg	3,700	RSL	26,800	BCL	--	--	--	--	14	0	0	<15.2	<25	--	--	--	--	--	--	--	--	--
	Stirophos	µg/kg	8.2	RSL	147,000	BCL	--	--	--	--	14	0	0	<4.36	<7.2	--	--	--	--	--	--	--	--	--
	Sulfotepp	µg/kg	5.2	RSL	456,000	BCL	--	--	--	--	14	0	0	<6.26	<10	--	--	--	--	--	--	--	--	--
	Sulprofos	µg/kg	--	--	--	--	--	--	--	--	14	0	0	4.24 UJ	<7	--	--	--	--	--	--	--	--	--
	Thionazin	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<5.57	<9.2	--	--	--	--	--	--	--	--	--
	Trichloronate	µg/kg	--	--	--	--	--	--	--	--	14	0	0	<6.25	<10	--	--	--	--	--	--	--	--	--
Petroleum Indicators	Gasoline Range Organics	mg/kg	--	--	--	--	--	--	--	--	30	2	6.7	0.11 UJ	<11	22	55	38	38	23	0.61	RSAO2	--	--
	Diesel Range Organics	mg/kg	--	--	--	--	--	--	--	--	130	3	2.3	<11	<67	5.2 J	69	5.8	27	37	1.4	SA-213	--	--
	Petroleum Hydrocarbons	mg/kg	--	--	--	--	--	--	--	--	130	2	1.5	<3.2	<67	3.1 J	88	46	46	60	1.3	SA-213	--	--
	Extractable Fuel Hydrocarbons	mg/kg	--	--	--	--	--	--	--	--	2	2	100	--	--	9.6	11	10	10	0.99	0.096	RISB-59	--	--
	Ethanol	mg/kg	--	--	100,000	BCL	--	--	--	--	10	0	0	<1.1	82 UJ	--	--	--	--	--	--	--	--	--

TABLE 7-1c. STATISTICAL SUMMARY OF OU-1 SOIL SAMPLING RESULTS FROM UNSATURATED MUDDY CREEK FORMATION
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Leaching-based Soil Screening Levels[1]		Health-based Soil Screening Levels[2]		UMCf Background[3]		BRC Deep Alluvium Background[4]		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1,2]	Level	Source[1,2]	Minimum	Maximum	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above SL[3]	Max Sample Ratio to SL[3]
Petroleum Indicators	Ethylene glycol	mg/kg	3.2	RSL	100,000	BCL	--	--	--	--	10	0	0	<43	82 UJ	--	--	--	--	--	--	--	--	--
	Methanol	mg/kg	4.1	RSL	100,000	BCL	--	--	--	--	10	5	50	<1.5	82 UJ	0.77 JZ	23 Z	11	11	10	0.89	M-121	3	5.6
Other Organics	Benzenesulfonic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	13	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	4-Chlorobenzenesulfonic acid	µg/kg	70	LBCL	91,200,000	BCL	--	--	--	--	13	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	Diethylphosphorodithioate	µg/kg	--	--	100,000,000	BCL	--	--	--	--	13	0	0	<250	<250	--	--	--	--	--	--	--	--	--
	o,o-Dimethyl Phosphorodithioate	µg/kg	--	--	100,000,000	BCL	--	--	--	--	13	0	0	<1,300	<1,300	--	--	--	--	--	--	--	--	--
	Phthalic acid	µg/kg	--	--	100,000,000	BCL	--	--	--	--	13	0	0	<250	<250	--	--	--	--	--	--	--	--	--

Notes:

1. Leaching-based soil screening levels (LSSLs) are calculated with a dilution attenutation factor (DAF) of 1.
   LBCL: Leaching-based Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for soil leaching, USEPA 2023.
   CAL: Where no other screening level is available, LSSLs were calculated as described in Appendix G.
   LBCL*: The perchlorate LBCL calculated by NDEP has been recalculated using the federal preliminary remediation goal of 15 µg/l.
   LBCL**: The LBCL for delta-BHC calculated by NDEP has been recalculated using a soil-water partition coefficient adjusted for the fraction of organic carbon in soil (See Table G-1).
   *LBCL: The LBCL for 4,4'-DDE was used as a surrogate LSSL for 2,4'-DDE
2. Health-based soil screening levels (HSSLs).
   SS: Site-specific values for Arsenic and Dioxin/Furan Toxicity Equivalence (TEQ) (see Appendix G text).
   BCL: Lowest level among all available indoor and outdoor industrial worker Basic Comparison Levels (BCLs), NDEP 2023.
   RSL: Regional Screening Levels for industrial soil, USEPA 2023.
3. Screening level (SL) is the lower of the LSSL and HSSL if both are available.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.

[2] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.

[3] Ramboll. 2021. Soil Background Data Set Summary Report

[4] ERM-West, Inc.. 2009. 2008 Deep Soil Background Report, BMI Common Areas (Eastside).

	Detected at a rate of 5% or less, fewer than 10 samples exceeded the screening level, and the maximum concentration less than a factor of 20 above the screening level.
	Detected at a rate of 5% or less with no applicable screening level.
	No detections*, or maximum detected concentration is below leaching and health screening levels (if available).
	Essential Nutrient, macronutrient or salt.
	Individual VOCs were used to evaluate the nature and extent of impacts in soil from these compounds.

*All detections of methanol are from the 2006 Upgradient Investigation and were qualified with a Z flag as likely false positives due to cross-contamination.

TABLE 7-2a. SUMMARY OF SECONDARY COPC SCREENING IN OU-1
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	RESULTS OF INITIAL SCREENING					RETAINED OU-1 COPCs	
		Vadose Zone Soil			Groundwater			
		Upper 10 Feet	Deeper Alluvium	UMCf	Shallow WBZ	Middle WBZ	Soil	Groundwater
General Chemistry	**Bromide**			X	X	X	---	**X**
	Chlorate	X	X	X	X	X	**X**	**X**
	Nitrate	X	X	X	X	X	**X**	**X**
	Nitrite				X			**X**
	Perchlorate	X	X	X	X	X	**X**	**X**
Metals	**Antimony**	X	X	X			**X**	
	Arsenic	X	X	X [B]	X	X	**X**	**X**
	Barium	X	X [B]	X [B]			**X**	
	Boron	X	X	X	X	X	**X**	**X**
	Cadmium	X	X	X			---	
	Chromium (total)				X	X		[*]
	Chromium VI	X	X	X	X	X	**X**	**X**
	Cobalt	X	X [B]	X [B]			**X**	
	Copper	X	X	X			---	
	Iron	X [B]	X [B]	X [B]	X		---	---
	Lead	X	X [B]	X [B]	X		**X**	---
	Lithium	X [B]	X [B]	X [B]	NS	NS	---	
	Magnesium	X	X	X	X	X	**X**	**X**
	Manganese	X	X	X [B]	X	X	**X**	**X**
	Mercury	X [B]	X	X			---	
	Molybdenum	X	X [B]	X [B]			---	
	Nickel	X	X [B]	X [B]			**X**	
	Niobium	X	X				---	
	Palladium	X [B]	X [B]	X [B]	X		---	---
	Platinum				NS	NS	---	
	Selenium	X	X	X [B]			---	
	Silver	X	X	X			---	
	Strontium	X [B]	X	X	X	X	---	**X**
	Thallium	X	X	X			---	
	Tungsten	X					---	
	Uranium (total)	[B]	X		X		---	**X**
	Vanadium				X			---
	Zirconium	X [B]	X [B]	X [B]	X		---	---

TABLE 7-2a. SUMMARY OF SECONDARY COPC SCREENING IN OU-1
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	RESULTS OF INITIAL SCREENING					RETAINED OU-1 COPCs	
		Vadose Zone Soil			Groundwater			
		Upper 10 Feet	Deeper Alluvium	UMCf	Shallow WBZ	Middle WBZ	Soil	Groundwater
Radionuclides	Radium-226	X [B]	X	X	X	X	---	---
	Radium-228	X [B]	X [B]	X [B]	X	X	---	---
	Thorium-228	X [B]	X B]	X [B]	X	X	---	**X**
	Thorium-230	X [B]	X	X	X	X	---	**X**
	Thorium-232	X [B]	X [B]	X [B]	X		---	---
	Uranium-235	[B]	X	X			---	
	Uranium-238	X [B]	X	X			---	
VOCs	Acetone	X		X			---	
	Benzene	X	X	X	X		**X**	**X**
	Bromodichloromethane				X	X		**X**
	Bromoform				X	X		**X**
	Carbon Tetrachloride		X	X	X	X	**X**	**X**
	Chlorobenzene		X	X	X	X	**X**	**X**
	Chloroform	X	X	X	X	X	**X**	**X**
	1,2-Dichlorobenzene			X	X	X	---	**X**
	1,3-Dichlorobenzene				X	X		**X**
	1,4-Dichlorobenzene			X	X	X	---	**X**
	1,1-Dichloroethane				X			**X**
	1,2-Dichloroethane		X		X		---	**X**
	1,1-Dichloroethene		X	X	X	X	---	**X**
	1,4-Dioxane			NS	X	X		**X**
	Methylene Chloride	X	X	X	X		**X**	**X**
	Naphthalene				X	X		---
	1,1,2,2-Tetrachloroethane				X			**X**
	Tetrachloroethene	X	X	X	X		---	**X**
	1,2,3-Trichlorobenzene		X	X			---	
	1,2,4-Trichlorobenzene		X		X		---	---
	Trichloroethene	X	X	X	X		---	**X**
	1,2,3-Trichloropropane		X	X	X	X	**X**	**X**
	1,2,4-Trimethylbenzene		X		X		---	---
	1,3,5-Trimethylbenzene		X				---	
	tert Butyl Alcohol	X	X	X			---	

TABLE 7-2a. SUMMARY OF SECONDARY COPC SCREENING IN OU-1
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	RESULTS OF INITIAL SCREENING					RETAINED OU-1 COPCs	
		Vadose Zone Soil			Groundwater			
		Upper 10 Feet	Deeper Alluvium	UMCf	Shallow WBZ	Middle WBZ	Soil	Groundwater
SVOCs	Carbazole	X					---	
	2-Chlorophenol		X				---	
	1,4-Dioxane		X	X	NS	NS	**X**	
	Hexachlorobenzene	X	X				**X**	
	Hexachlorobutadiene				X	X		---
	Octachlorostyrene	X	X				---	
PAHs	Benzo(a)anthracene	X	X				---	
	Benzo(a)pyrene	X					---	
	Benzo(b)fluoranthene	X	X				---	
	Benzo(k)fluoranthene	X					---	
	Dibenz(a,h)anthracene	X					---	
	Indeno(1,2,3-cd)pyrene	X					---	
	1-Methylnaphthalene	X	X				**X**	
	2-Methylnaphthalene	X	X				**X**	
	Phenanthrene	X	X				---	
PCBs	**Aroclor-1248**	X					**X**	
	Aroclor-1254	X					**X**	
	Aroclor-1260	X	X		X		**X**	---
Dioxins/ Furans	**2,3,7,8-Tetrachlorodibenzo-p-dioxin**	X	X				**X**	
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	X	X				**X**	
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	X	X				**X**	
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	X	X				**X**	
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	X	X				**X**	
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	X	X				**X**	
	2,3,7,8-Tetrachlorodibenzofuran	X	X				**X**	
	1,2,3,7,8-Pentachlorodibenzofuran	X	X				**X**	
	2,3,4,7,8-Pentachlorodibenzofuran	X	X				**X**	
	1,2,3,4,7,8-Hexachlorodibenzofuran	X	X				**X**	
	1,2,3,6,7,8-Hexachlorodibenzofuran	X	X				**X**	
	1,2,3,7,8,9-Hexachlorodibenzofuran	X	X				**X**	
	2,3,4,6,7,8-Hexachlorodibenzofuran	X	X				**X**	
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	X	X				**X**	
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	X	X				**X**	
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	X	X				**X**	

TABLE 7-2a. SUMMARY OF SECONDARY COPC SCREENING IN OU-1
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	RESULTS OF INITIAL SCREENING					RETAINED OU-1 COPCs	
		Vadose Zone Soil			Groundwater			
		Upper 10 Feet	Deeper Alluvium	UMCf	Shallow WBZ	Middle WBZ	Soil	Groundwater
Pesticides - OCPs	**alpha-BHC**	X	X				**X**	
	beta-BHC	X	X				**X**	
	gamma-BHC	X	X				**X**	
	4,4'-DDE	X					---	
	4,4'-DDT	X					---	
	Dieldrin	X	X				---	
Pesticides - OPPs	Dimethoate	X		X			---	
	Stirophos	X					---	
Other Organics	**4-Chlorobenzenesulfonic Acid**				X			**X**
	Formaldehyde	X	X	NS		X	**X**	**X**

Notes:

COPC: Chemical of potential concern

WBZ: Water-Bearing Zone

NS: Not Sampled (in accordance with approved Work Plans)

Blank cell denotes that chemical is not a COPC because it was not detected at a rate exceeding 5%, was below screening level or no screening level is available.

Chemicals Retained in Initial Screening:

X: Requires secondary screening from Table 7-1 or 7-3 due to detection rate and exceedance of a screening level or lack of screening level.

[B]: Consistent with background soil concentrations (see Appendix I)

RETAINED OU-1 COPCs:

----: Eliminated as COPC during secondary screening.

X: Retained as COPC during secondary screening.

[*]: A detailed analysis of hexavalent chromium to total chromium ratios was performed as part of the 2016 Groundwater Monitoring Optimization Plan. The analysis found that the concentration of total chromium is generally equal to the concentration of hexavalent chromium within the NERT groundwater plume. With NDEP approval, hexavalent chromium was generally eliminated from NERT's on-going monitoring program in 2016. Therefore, total chromium and hexavalent chromium are not regarded as separate COPCs and interpretations of the lateral and vertical extent of chromium in soil and groundwater will primarily rely on total chromium data (rather than hexavalent chromium data).

TABLE 7-2b. CHEMICALS OF POTENTIAL CONCERN IN OU-1 SOIL AND GROUNDWATER
Nevada Environmental Response Trust Site
Henderson, Nevada

RETAINED OU-1 COPCs		
	Soil	**Groundwater**
Chlorates and General Chemistry		
Bromide		X
Chlorate	X	X
Nitrate	X	X
Nitrite		X
Perchlorate	X	X
Metals		
Antimony	X	
Arsenic	X	X
Barium	X	
Boron	X	X
Chromium VI	X	X
Cobalt	X	
Lead	X	
Magnesium	X	X
Manganese	X	X
Nickel	X	
Strontium		X
Uranium (total)		X
Radionuclides		
Thorium-228		X
Thorium-230		X
Volatile Organic Compounds (VOCs)		
Benzene	X	X
Bromodichloromethane		X
Bromoform		X
Carbon Tetrachloride	X	X
Chlorobenzene	X	X
Chloroform	X	X
1,2-Dichlorobenzene		X
1,3-Dichlorobenzene		X
1,4-Dichlorobenzene		X
1,1-Dichloroethane		X
1,2-Dichloroethane		X
1,1-Dichloroethene		X
1,4-Dioxane		X
Methylene Chloride	X	X
1,1,2,2-Tetrachloroethane		X
Tetrachloroethene		X
Trichloroethene		X
1,2,3-Trichloropropane	X	X

TABLE 7-2b. CHEMICALS OF POTENTIAL CONCERN IN OU-1 SOIL AND GROUNDWATER
Nevada Environmental Response Trust Site
Henderson, Nevada

RETAINED OU-1 COPCs		
	Soil	**Groundwater**
Semivolatile Organic Compounds (SVOCs)		
1,4-Dioxane	**X**	
Hexachlorobenzene	**X**	
Polycyclic Aromatic Hydrocarbons (PAHs)		
1-Methylnapthalene	**X**	
2-Methlynapthalene	**X**	
Polychlorinated Biphenyls (PCBs)		
Aroclor-1248	**X**	
Aroclor-1254	**X**	
Aroclor-1260	**X**	
Dioxins/Furans		
2,3,7,8-Tetrachlorodibenzo-p-dioxin	**X**	
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	**X**	
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	**X**	
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	**X**	
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	**X**	
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	**X**	
2,3,7,8-Tetrachlorodibenzofuran	**X**	
1,2,3,7,8-Pentachlorodibenzofuran	**X**	
2,3,4,7,8-Pentachlorodibenzofuran	**X**	
1,2,3,4,7,8-Hexachlorodibenzofuran	**X**	
1,2,3,6,7,8-Hexachlorodibenzofuran	**X**	
1,2,3,7,8,9-Hexachlorodibenzofuran	**X**	
2,3,4,6,7,8-Hexachlorodibenzofuran	**X**	
1,2,3,4,6,7,8-Heptachlorodibenzofuran	**X**	
1,2,3,4,7,8,9-Heptachlorodibenzofuran	**X**	
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	**X**	
Organochlorine Pesticides (OCPs)		
alpha-BHC	**X**	
beta-BHC	**X**	
gamma-BHC	**X**	
Other Organics		
4-Chlorobenzenesulfonic Acid		**X**
Formaldehyde	**X**	**X**

Notes:

COPC: Chemical of potential concern

X: Retained OU-1 COPC

TABLE 7-2c. OU-1 COPCs IDENTIFIED AS COPCs AT ADJACENT SITES
Nevada Environmental Response Trust Site
Henderson, Nevada

	NERT Site OU-1 COPCs		OSSM Site COPCs [1]		TIMET Site COPCs/SRCs [2]	
	Soil	**Groundwater**	**Soil**	**Groundwater**	**Soil** [3]	**Groundwater** [4]
Chlorates and Nitrates						
Bromide		**X**				
Chlorate	**X**	**X**				
Nitrate	**X**	**X**		x	x	
Nitrite		**X**				
Perchlorate	**X**	**X**			x	
Metals						
Antimony	**X**			x	x	
Arsenic	**X**	**X**		x	x	x
Barium	**X**			x	x	
Boron	**X**	**X**				
Chromium VI	**X**	**X**			x	x
Cobalt	**X**			x	x	
Lead	**X**				x	
Magnesium	**X**	**X**	x	x	x	
Manganese	**X**	**X**	x	x	x	
Nickel	**X**		x	x		
Strontium		**X**				
Uranium (total)		**X**			x	x
Radionuclides						
Thorium-228		**X**			x	
Thorium-230		**X**			x	

TABLE 7-2c. OU-1 COPCs IDENTIFIED AS COPCs AT ADJACENT SITES
Nevada Environmental Response Trust Site
Henderson, Nevada

	NERT Site OU-1 COPCs		OSSM Site COPCs [1]		TIMET Site COPCs/SRCs [2]	
	Soil	**Groundwater**	**Soil**	**Groundwater**	**Soil** [3]	**Groundwater** [4]
Volatile Organic Compounds (VOCs)						
Benzene	**X**	**X**	x	x		
Bromodichloromethane		**X**				
Bromoform		**X**	x			
Carbon Tetrachloride	**X**	**X**	x	x		x
Chlorobenzene	**X**	**X**	x	x		
Chloroform	**X**	**X**	x	x		x
1,2-Dichlorobenzene		**X**	x	x		
1,3-Dichlorobenzene		**X**				
1,4-Dichlorobenzene		**X**	x	x		
1,1-Dichloroethane		**X**				
1,2-Dichloroethane		**X**	x	x		
1,1-Dichloroethene		**X**				x
1,4-Dioxane		**X**				
Methylene Chloride	**X**	**X**		x	x	
1,1,2,2-Tetrachloroethane		**X**		x		
Tetrachloroethene		**X**	x	x	x	x
Trichloroethene		**X**		x		x
1,2,3-Trichloropropane	**X**	**X**				
Semivolatile Organic Compounds (SVOCs)						
1,4-Dioxane	**X**					
Hexachlorobenzene	**X**			x	x	
Polycyclic Aromatic Hydrocarbons (PAHs)						
1-Methylnapthalene	**X**					
2-Methlynapthalene	**X**					
Polychlorinated Biphenyls (PCBs)					x[++]	
Aroclor-1248	**X**					
Aroclor-1254	**X**					
Aroclor-1260	**X**					

TABLE 7-2c. OU-1 COPCs IDENTIFIED AS COPCs AT ADJACENT SITES
Nevada Environmental Response Trust Site
Henderson, Nevada

	NERT Site OU-1 COPCs		OSSM Site COPCs [1]		TIMET Site COPCs/SRCs [2]	
	Soil	**Groundwater**	**Soil**	**Groundwater**	**Soil** [3]	**Groundwater** [4]
Dioxins/Furans					x^{+++}	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	**X**					
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	**X**					
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	**X**					
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	**X**					
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	**X**					
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	**X**					
2,3,7,8-Tetrachlorodibenzofuran	**X**					
1,2,3,7,8-Pentachlorodibenzofuran	**X**					
2,3,4,7,8-Pentachlorodibenzofuran	**X**					
1,2,3,4,7,8-Hexachlorodibenzofuran	**X**					
1,2,3,6,7,8-Hexachlorodibenzofuran	**X**					
1,2,3,7,8,9-Hexachlorodibenzofuran	**X**					
2,3,4,6,7,8-Hexachlorodibenzofuran	**X**					
1,2,3,4,6,7,8-Heptachlorodibenzofuran	**X**					
1,2,3,4,7,8,9-Heptachlorodibenzofuran	**X**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	**X**					
Organochlorine Pesticides (OCPs)						
alpha-BHC	**X**		x	x		
beta-BHC	**X**		x	x	x	
gamma-BHC	**X**		x	x		
Other Organics						
4-Chlorobenzenesulfonic Acid		**X**	x	x		
Formaldehyde	**X**	**X**				

NOTES:

COPCs = Chemicals of Potential Concern SRC = Site Related Contaminant

TABLE 7-2c. OU-1 COPCs IDENTIFIED AS COPCs AT ADJACENT SITES
Nevada Environmental Response Trust Site
Henderson, Nevada

NOTES (cont.):

x = COPC/SRC identified at a neighboring site

X = NERT OU-1 COPC; retained as a COPC during secondary screening.

++ Total PCBs identified as a COPC

+++ = Dioxin/furans are identified as a COPC. No specific compounds are identified.

[1] OSSM's 2018 Remedial Action Alternatives Study (RAS) identifies 52 different COPCs including VOCs, SVOCs, OCPs, other organic chemicals, and metals. Only chemicals that overlap with COPCs for the NERT Site have been included in this table.
Source: Geosyntec Consultants, 2018. Groundwater Remedial Alternatives Study, Former Stauffer and Montrose Facilities, Henderson, Nevada. November.

[2] As further described within notes [3] and [4] below, TIMET has used the term COPC to refer to contaminants identified in soil and SRC to refer to contaminants identified in groundwater within their administrative record.

[3] TIMET identified specific soil COPCs for the Beta and Northwest Ditch Areas within the TIMET facility as part of the 2013 Removal Action Completion Report and 2013 Excavation Plan Technical Memorandum. Only chemicals that overlap with COPCs for the NERT Site have been included in this table.
Sources: GEI Consultants, 2013. BMI Beta Ditch/Northwestern Ditches Located on the Titanium Metals Corporation Plant Site, BMI Common Areas, Clark County, Nevada. November.
GEI Consultants, 2013. Excavation Plan Technical Memorandum - Revision 1, Titanium Metals Corporation, Henderson, Nevada Facility, NDEP Facility ID #000537. May 20.

[4] TIMET has identified groundwater SRCs, rather than COPCs, in the administrative record. The 2009 Record of Decision with NDEP states that "contaminants in the first WBZ (from the TIMET facility as well as from off-Site sources) contain primarily high levels of volatile organic compounds (VOCs), metals, radionuclides, perchlorate and total dissolved solids" (NDEP 2009). These chemical classes are identified more specifically in TIMETs Monitored Natural Attenuation Work Plan (Broadbent 2013) as "volatiles of principal interest are PCE, TCE and the expected daughter compounds cis- and trans-1,2-dichloroethene (DCE), 1,1-DCE, and vinyl chloride (VC), and to a lesser degree, carbon tetrachloride (CT) and chloroform (CF). Metals include total chromium (since virtually all chromium in groundwater has been demonstrated to be hexavalent chromium) and arsenic. Radionuclides present in the groundwater will be represented by uranium."
Sources: NDEP, 2009. Record of Decision: Remediation of Groundwater in the First Water-Bearing Zone, Titanium metals Corporation (TIMET), Clark County, Nevada. February 17.
Broadbent, 2013. Monitored Natural Attenuation Work Plan, Titanium Metals Corporation Plant Site, Henderson, Nevada. January 18.

TABLE 7-3a. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, SHALLOW WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
General Chemistry	Ammonia	mg/L	1.04	BCL	<0.082	<0.082	151	57	37.7	<0.082	<0.10	0.090 J	210	0.5	9	30	3.3	M-37	27	210
	Bicarbonate as HCO_3	mg/L	--	--	100	140	145	142	97.9	<4.8	<4.8	52	2,500	110	150	240	1.6	M-221	--	--
	Bromide	mg/L	13.3	BCL	<0.50	1.6 J	236	149	63.1	<0.25	<13	0.25 J+	42	2.3	3.8	6	1.6	M-5D	6	3.2
	Carbonate as CO_3	mg/L	--	--	<2.4	<2.4	153	12	7.8	<2.4	<2.4	8.5	140	72	70	46	0.65	M-224R	--	--
	Chlorate	mg/L	1.0	BCL	0.050	24	1307	1252	95.8	<0.0020	<1.0	0.0057 J	10,000	600	1,300	1,500	1.2	U4U5-7	1223	10,000
	Chloride	mg/L	--	--	160 J-	170	295	295	100	--	--	89	12,000	760	1,700	2,000	1.2	TR-6	--	--
	Chlorite	mg/L	1.0	MCL	--	--	1	0	0	<0.20	<0.20	--	--	--	--	--	--	--	--	--
	Cyanide (total)	mg/L	0.20	MCL	--	--	20	0	0	<0.0035	<0.013	--	--	--	--	--	--	--	--	--
	Hydroxide	mg/L	--	--	<1.4	<1.4	145	3	2.1	<1.4	<1.4	17	88	87	64	41	0.64	M-224R	--	--
	Nitrate (as N)	mg/L	10	MCL	1.5	22	1262	1217	96.4	<0.012	2.9 UJ	0.061 J+	240	16	36	37	1	I-L	785	24
	Nitrate Nitrite as N	mg/L	10	MCL	1.5	8.5	245	218	89	<0.0010	<5.5	0.062 J+	170 J	5.8	13	20	1.6	M-140	65	17
	Nitrite (as N)	mg/L	1.0	MCL	<0.14	<0.35	254	18	7.1	<0.025	<35	0.16 J	16 J	2.9	3.8	4	1.1	M-140	12	16
	Perchlorate	mg/L	0.015	PRG	0.051	3.9	2615	2595	99.2	<0.0025	<4.8	0.0012 J	5,200	450	580	580	0.99	U4U5-12	2587	350,000
	ortho-Phosphate	mg/L	--	--	<0.061	<0.15	143	14	9.8	<0.015	<1.5	0.026 J	0.83 J-	0.13	0.19	0.23	1.2	M-226	--	--
	Sulfate	mg/L	--	--	990	1,600	344	344	100	--	--	71	3,100	1,300	1,200	560	0.45	U4U5-64	--	--
Metals	Aluminum	mg/L	33.4	BCL	<0.025	<0.025	290	67	23.1	0.025 UJ	<0.50	0.025 J	25	0.12	0.84	3.3	3.9	RISB-02	0	--
	Antimony	mg/L	0.006	MCL	<0.00050	<0.010	65	6	9.2	<0.00050	<0.010	0.00056 J	0.0013 J	0.00098	0.00096	0.00026	0.27	RISB-10	0	--
	Arsenic	mg/L	0.010	MCL	0.10	0.17	294	287	97.6	<0.0044	<0.020	0.0034	0.46	0.062	0.074	0.058	0.79	M-12A	286	46
	Barium	mg/L	2.0	MCL	0.022 J-	0.039	65	64	98.5	<0.050	<0.050	0.0092 J	0.17	0.041	0.052	0.037	0.7	RISB-29	0	--
	Beryllium	mg/L	0.004	MCL	--	--	1	0	0	<0.0010	<0.0010	--	--	--	--	--	--	--	--	--
	Boron	mg/L	6.67	BCL	0.80	3.7	365	365	100	--	--	0.36	27	2.5	3.6	3.3	0.91	M-205	39	4
	Cadmium	mg/L	0.0167	BCL	<0.0020	<0.0020	65	0	0	<0.0020	<0.020	--	--	--	--	--	--	--	--	--
	Calcium	mg/L	--	--	190	230	153	153	100	--	--	25	1,900	280	360	330	0.91	M-227R	--	--
	Chromium (total)	µg/L	100	MCL	4.4 J	140	2590	2512	97	<2.5	<25	2.3 J	110,000	2,100	6,100	7,900	1.3	U4U5-22	2055	1,100
	Chromium VI	µg/L	0.0501	BCL	3.8	140 J-	1608	1511	94	<0.033	<190	0.25 J	110,000	2,800	6,700	8,200	1.2	U4U5-22	1511	2,200,000
	Cobalt	mg/L	0.010	BCL	<0.0025	<0.0025	155	5	3.2	<0.0025	<0.013	0.0046 J	0.0069 J	0.0059	0.0058	0.00086	0.15	H-28A	0	--
	Copper	mg/L	1.3	MCL	<0.0050	<0.0050	65	10	15.4	<0.0050	<0.050	0.0053 J	0.028	0.011	0.013	0.0079	0.63	RISB-02	0	--
	Iron	mg/L	23.4	BCL	<0.010	<0.010	344	110	32	<0.010	<0.50	0.010 J	74	0.38	6.7	13	1.9	M-10	10	3.2
	Lead	mg/L	0.015	MCL	<0.0025	0.0067	290	38	13.1	0.0025 UJ	<0.038	0.0029 J	0.023 J	0.0055	0.0069	0.0042	0.61	TR-6	2	1.5
	Magnesium	mg/L	189	BCL	93	110	297	297	100	--	--	0.074	960	160	220	190	0.86	TR-6	135	5.1
	Manganese	mg/L	0.801	BCL	<0.010	<0.010	348	170	48.9	<0.010	<0.15	0.010 J	4.0	0.16	0.61	0.83	1.4	M-6A	47	5
	Mercury	mg/L	0.002	MCL	<0.00010	0.00014 J	61	9	14.8	<0.00010	<0.00050	0.00012 J	0.00047	0.00022	0.00022	0.00011	0.48	RISB-37	0	--
	Molybdenum	mg/L	0.167	BCL	--	--	54	53	98.1	<0.050	<0.050	0.016 J	0.15	0.035	0.045	0.027	0.6	RISB-15	0	--
	Nickel	mg/L	0.667	BCL	<0.0050	<0.0050	65	16	24.6	<0.0050	<0.050	0.0072 J	0.023	0.0097	0.011	0.0042	0.38	RISB-31	0	--
	Niobium	mg/L	0.00334	BCL	--	--	21	0	0	<0.010	<0.050	--	--	--	--	--	--	--	--	--
	Palladium	mg/L	--	--	--	--	16	2	12.5	0.00050 UJ	<0.0010	0.00055 J	0.0011 J	0.00082	0.00082	0.00039	0.47	RISB-09	--	--
	Phosphorus (total)	mg/L	33.4	BCL	<0.025	<0.025	218	141	64.7	<0.025	<0.10	0.025 J	9.9	0.071	0.48	1.5	3.2	RISB-63	0	--
	Potassium	mg/L	--	--	13	16	150	150	100	--	--	5.9	140	19	21	15	0.7	M-192	--	--
	Selenium	mg/L	0.050	MCL	--	--	55	37	67.3	<0.0025	<0.010	0.0028	0.0095	0.0045	0.0046	0.0011	0.25	RISB-10	0	--
	Silicon	mg/L	--	--	--	--	28	28	100	--	--	5.2	80	44	39	18	0.47	RISB-02	--	--
	Silver	mg/L	0.167	BCL	--	--	54	0	0	<0.0050	<0.025	--	--	--	--	--	--	--	--	--
	Sodium	mg/L	--	--	220	560	186	186	100	--	--	120	4,900	640	920	790	0.86	MC-50	--	--
	Strontium	mg/L	20	BCL	4.4	4.9 J-	252	252	100	--	--	0.49	53	8	10	8.7	0.84	TR-6	34	2.6
	Sulfur	mg/L	--	--	--	--	8	8	100	--	--	220	340	260	280	41	0.15	M-255-60	--	--
	Thallium	mg/L	0.002	MCL	--	--	54	1	1.9	<0.00050	<0.0045	0.0011 J	0.0011 J	0.0011	0.0011	--	--	RISB-01	0	--
	Tungsten	mg/L	0.0267	BCL	<0.50	<0.50	45	0	0	<0.050	<2.5	--	--	--	--	--	--	--	--	--
	Uranium (total)	mg/L	0.030	MCL	0.0068	0.028	222	221	99.5	<0.0040	<0.0040	0.0000870 J	0.16	0.013	0.023	0.024	1	M-148A	64	5.3
	Vanadium	mg/L	0.167	BCL	0.023	0.030	147	108	73.5	<0.0050	<0.050	0.0055 J	0.21	0.017	0.024	0.03	1.2	MC-50	1	1.3
	Zinc	mg/L	10	BCL	<0.010	<0.010	65	14	21.5	<0.010	<0.10	0.011 J	0.037	0.022	0.023	0.0082	0.36	RISB-02	0	--
	Zirconium	mg/L	0.00267	BCL	--	--	151	6	4	<0.0010	<0.50	0.0015 J	0.0058 J	0.003	0.0033	0.0018	0.53	RISB-14	3	2.2
Radionuclides	Radium-226	pCi/L	--	--	0.0794 U	0.174 J	116	96	82.8	-0.00129	0.192 U	0.0856 J	21.3	0.44	0.8	2.2	2.7	RISB-13	--	--
	Radium-228	pCi/L	--	--	-0.0134 U	0.222 U	116	45	38.8	-0.258	0.607 U	0.344	11.4	0.63	1	1.7	1.7	RISB-13	--	--
	Thorium-228	pCi/L	0.14	BCL	0.0852 U	0.0896 U	116	32	27.6	-0.175 U	0.955 U	0.274 J	22.4	0.86	1.5	3.8	2.5	RISB-13	32	160
	Thorium-230	pCi/L	0.05	BCL	0.202 J	0.230	116	93	80.2	0.0921 U	0.648 U	0.127 J	39.6	0.77	1.2	4	3.3	RISB-13	93	790
	Thorium-232	pCi/L	0.17	BCL	0.000 U	0.0274 U	116	4	3.4	-0.149 U	0.300 U	0.0634	8.34	0.25	2.2	4.1	1.8	RISB-13	3	49
	Uranium-234	pCi/L	--	--	3.42	14.2	116	115	99.1	0.0816	0.0816	0.292 J	66.9	12	14	12	0.85	RISB-13	--	--

TABLE 7-3a. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, SHALLOW WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
Radionuclides	Uranium-235	pCi/L	--	--	0.119 U	0.367	116	68	58.6	-0.0750 U	0.615 U	0.0789	3.88	0.57	0.76	0.61	0.8	M-69	--	--
	Uranium-238	pCi/L	--	--	2.50	8.40	116	114	98.3	0.0500	0.103	0.185 J	43.8	7.8	9.5	8.2	0.87	RISB-13	--	--
VOCs	Acetone	µg/L	20,500	BCL	--	--	260	71	27.3	<10	<500	10 J	200	20	36	40	1.1	U4U5-61	0	--
	t-Amyl methyl ether	µg/L	--	--	--	--	259	0	0	<0.25	<13	--	--	--	--	--	--	--	--	--
	Benzene	µg/L	5	MCL	<0.25	<0.25	728	68	9.3	<0.25	<13	0.28 J	58,000	280	3,700	8,800	2.4	MC-29	53	12,000
	Bromobenzene	µg/L	85.2	BCL	<0.25	<0.25	720	1	0.1	<0.25	<630	54 J	54 J	54	54	--	--	M-126	0	--
	Bromochloromethane	µg/L	83.4	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/L	0.135	BCL	<0.25	0.32 J	722	127	17.6	<0.25	<630	0.25 J	10 J	0.36	0.58	0.96	1.7	U4U5-22	127	74
	Bromoform	µg/L	3.36	BCL	<0.40	<0.40	721	61	8.5	<0.25	<1,000	0.40 J	8.3	1.2	1.7	1.6	0.91	M-269	5	2.5
	Bromomethane	µg/L	8.53	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/L	6,860	BCL	<2.5	<2.5	729	29	4	<2.5	<6,300	2.5 J	29	4.4	6.6	5.4	0.83	U4U5-75	0	--
	n-Butylbenzene	µg/L	1,670	BCL	<0.40	<0.40	720	0	0	<0.40	<1,000	--	--	--	--	--	--	--	--	--
	sec-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	tert-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	µg/L	5	MCL	<0.25	<0.25	729	157	21.5	<0.25	<130	0.25 J	1,100 J	1.4	47	150	3.2	M-224	42	220
	Chlorobenzene	µg/L	100	MCL	<0.25	<0.25	728	84	11.5	<0.25	<13	0.27 J	170,000	460	9,100	27,000	3	M-224R	50	1,700
	Chloroethane	µg/L	20,900	BCL	<0.40	<0.40	720	2	0.3	<0.25	<1,000	0.42 J	0.44 J	0.43	0.43	0.014	0.033	MC-9R	0	--
	Chloroform	µg/L	70	MCLG	0.51	3.8	730	710	97.3	<0.25	<50	0.26 J	30,000	80	720	2,700	3.8	M-125D	370	430
	Chloromethane	µg/L	188	BCL	<0.25	<0.25	720	28	3.9	<0.25	<630	0.25 J	27 J	0.9	3.5	6	1.7	U4U5-5	0	--
	2-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	720	1	0.1	<0.25	<630	60 J	60 J	60	60	--	--	M-126	0	--
	4-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	717	1	0.1	<0.25	<630	56 J	56 J	56	56	--	--	M-126	0	--
	Cumene	µg/L	667	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	p-Cymene	µg/L	834	BCL	<0.25	<0.25	720	6	0.8	<0.25	<630	0.33 J	2.8	1.2	1.3	0.96	0.74	U4U5-47	0	--
	1,2-Dibromo-3-chloropropane	µg/L	0.2	MCL	<0.50	<0.50	720	0	0	<0.50	<1,300	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	µg/L	60	MCLG	<0.25	<0.25	721	19	2.6	<0.25	<630	0.25 J	54 J	0.46	3.6	12	3.4	M-126	0	--
	1,2-Dibromoethane	µg/L	0.05	MCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/L	8.34	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/L	600	MCL	<0.25	<0.50	728	98	13.5	<0.25	<130	0.29 J	3,300	3.7	160	450	2.7	M-224R	8	5.5
	1,3-Dichlorobenzene	µg/L	80.7	BCL	<0.25	<0.25	720	52	7.2	<0.25	<630	0.25 J	160 J	0.95	11	27	2.5	M-224R	2	2
	1,4-Dichlorobenzene	µg/L	75	MCL	<0.25	<0.25	728	97	13.3	<0.25	<130	0.26 J	6,600	1.5	290	880	3	M-224R	20	88
	Dichlorodifluoromethane	µg/L	202	BCL	0.25 UJ	<0.40	720	0	0	0.25 UJ	<1,000	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethane	µg/L	2.79	BCL	<0.25	<0.25	720	64	8.9	<0.25	<630	0.27 J	60 J	1.6	6.4	11	1.7	MC-29	17	22
	1,2-Dichloroethane	µg/L	5	MCL	<0.25	<0.25	728	43	5.9	<0.25	<630	0.27 J	37	1.1	5.5	8.6	1.6	M-5D	13	7.4
	1,1-Dichloroethene	µg/L	7	MCL	<0.25	<0.25	728	57	7.8	<0.25	<630	0.25 J	130	1.6	12	31	2.5	M-97	12	19
	cis-1,2-Dichloroethene	µg/L	70	MCL	<0.25	<0.25	720	2	0.3	<0.25	<630	0.28 J	1.1 J	0.69	0.69	0.58	0.84	U4U5-45	0	--
	trans-1,2-Dichloroethene	µg/L	100	MCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/L	5	MCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	1,3-Dichloropropane	µg/L	667	BCL	<0.25	<0.25	720	3	0.4	<0.25	<630	0.84	0.86	0.85	0.85	0.01	0.012	M-115	0	--
	2,2-Dichloropropane	µg/L	--	--	<0.40	<0.40	720	0	0	<0.25	<1,000	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/L	--	--	<0.25	<0.25	728	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Diisopropyl ether	µg/L	1,460	BCL	--	--	259	0	0	<0.25	<13	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/L	0.46	BCL	<0.50	<0.50	439	156	35.5	<0.50	<250	0.50 J	22	0.89	1.9	2.7	1.4	MW-16	156	48
	Ethyl benzene	µg/L	700	MCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Ethyl tert-butyl ether	µg/L	70	RSL	<0.25	<0.25	728	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Freon 113	µg/L	10,300	BCL	--	--	3	0	0	<0.50	<0.50	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/L	0.203	BCL	<0.25	<0.25	720	6	0.8	<0.25	<630	0.25 J	1.1 J	0.72	0.71	0.4	0.57	M-66	6	5.4
	2-Hexanone	µg/L	45.5	BCL	--	--	259	4	1.5	<2.5	<130	2.5 J	6.2	4	4.2	1.5	0.37	U4U5-13	0	--
	Methyl tert-butyl ether	µg/L	14.4	BCL	--	--	259	0	0	<0.25	<13	--	--	--	--	--	--	--	--	--
	Methylene Chloride	µg/L	5	MCL	<0.88	1.1 J	728	80	11	<0.88	<2,200	0.88 J	390 J	1.5	16	59	3.8	M-125	18	78
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	720	12	1.7	<0.40	<1,000	0.44 J	13	1.1	3.4	4.2	1.2	M-73	12	98
	4-Methyl-2-pentanone	µg/L	6,260	BCL	--	--	260	9	3.5	<2.5	<130	2.5 J	11	3	4.2	2.7	0.64	U4U5-61	0	--
	n-Propylbenzene	µg/L	1,280	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Styrene	µg/L	100	MCL	<0.25	<0.25	717	1	0.1	<0.25	<630	0.35 J	0.35 J	0.35	0.35	--	--	U4U5-28	0	--
	1,1,1,2-Tetrachloroethane	µg/L	0.605	BCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--

TABLE 7-3a. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, SHALLOW WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
VOCs	1,1,2,2-Tetrachloroethane	µg/L	0.0775	BCL	<0.25	<0.25	720	1	0.1	<0.25	<630	54 J	54 J	54	54	--	--	M-126	1	700
	Tetrachloroethene	µg/L	5	MCL	<0.25	<0.25	729	137	18.8	<0.25	<630	0.26 J	98 J	0.59	2.8	12	4.4	M-123	7	20
	Toluene	µg/L	1,000	MCL	<0.25	<0.25	720	91	12.6	<0.25	<630	0.25 J	65 J	3	6.8	9.5	1.4	M-126	0	--
	1,2,3-Trichlorobenzene	µg/L	26.7	BCL	<0.40	<0.40	728	7	1	<0.40	<1,000	0.50 J	1.3	0.9	0.91	0.25	0.27	MC-50	0	--
	1,2,4-Trichlorobenzene	µg/L	70	MCL	<0.40	<0.40	720	11	1.5	<0.40	<1,000	0.41 J	120 J	2.6	13	36	2.7	MC-29	1	1.7
	1,1,1-Trichloroethane	µg/L	200	MCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	1,1,2-Trichloroethane	µg/L	5	MCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/L	5	MCL	<0.25	<0.25	729	156	21.4	<0.25	<630	0.25 J	24	1.6	3.5	4.9	1.4	M-237	35	4.8
	Trichlorofluoromethane	µg/L	10,000	BCL	<0.25	<0.25	720	5	0.7	<0.25	<630	0.32 J	100	58	56	37	0.66	M-123	0	--
	1,2,3-Trichloropropane	µg/L	0.000835	BCL	<0.0025	<0.40	1151	343	29.8	<0.0025	<1,000	0.0025 J	0.57	0.059	0.098	0.11	1.1	M-135	343	680
	1,2,4-Trimethylbenzene	µg/L	64.6	BCL	<0.25	<0.25	728	6	0.8	<0.25	<630	0.25 J	66 J	0.49	14	26	1.9	M-126	1	1
	1,3,5-Trimethylbenzene	µg/L	2,000	BCL	<0.25	<0.25	720	1	0.1	<0.25	<630	2.9 J	2.9 J	2.9	2.9	--	--	M-73	0	--
	Vinyl chloride	µg/L	2	MCL	<0.25	<0.25	720	0	0	<0.25	<630	--	--	--	--	--	--	--	--	--
	m,p-Xylene	µg/L	--	--	<0.50	<0.50	720	0	0	<0.50	<1,300	--	--	--	--	--	--	--	--	--
	o-Xylene	µg/L	202	BCL	<0.25	<0.25	720	4	0.6	<0.25	<630	0.25 J	59 J	0.32	15	29	2	M-126	0	--
	Xylenes (total)	µg/L	10,000	MCL	--	--	261	0	0	<0.50	<25	--	--	--	--	--	--	--	--	--
	tert Butyl alcohol	µg/L	156	BCL	--	--	263	11	4.2	<5.0	<250	5.0 NJ	19	7	8.6	4.5	0.52	U4U5-61	0	--
SVOCs	Acenaphthene	µg/L	2,000	BCL	--	--	18	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Acenaphthylene	µg/L	1,000	BCL	--	--	18	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Aniline	µg/L	13.7	BCL	--	--	17	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	Anthracene	µg/L	10,000	BCL	--	--	18	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Benzidine	µg/L	0.000109	BCL	--	--	14	0	0	4.9 UJ	<6.2	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	µg/L	0.0298	BCL	--	--	18	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	µg/L	0.2	MCL	--	--	19	0	0	0.47 UJ	<0.62	--	--	--	--	--	--	--	--	--
	Benzo(b)fluoranthene	µg/L	0.251	BCL	--	--	19	0	0	<0.95	<1.2	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene	µg/L	1,000	BCL	--	--	19	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	µg/L	2.51	BCL	--	--	19	0	0	<0.24	<0.31	--	--	--	--	--	--	--	--	--
	Benzoic acid	µg/L	133,000	BCL	--	--	6	1	16.7	<1.9	<2.0	6.1 J-	6.1 J-	6.1	6.1	--	--	RISB-09	0	--
	Benzyl alcohol	µg/L	3,340	BCL	--	--	19	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	4-Bromophenyl-phenyl ether	µg/L	--	--	--	--	19	0	0	<0.47	<0.62	--	--	--	--	--	--	--	--	--
	Butylbenzylphthalate	µg/L	41	BCL	--	--	19	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	4-Chloroaniline	µg/L	0.39	BCL	--	--	17	0	0	<0.97	<1.2	--	--	--	--	--	--	--	--	--
	2-Chloronaphthalene	µg/L	2,670	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	2-Chlorophenol	µg/L	167	BCL	--	--	5	0	0	<0.49	<0.51	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl-phenyl ether	µg/L	--	--	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Chrysene	µg/L	25.1	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Di-n-butylphthalate	µg/L	3,340	BCL	--	--	19	0	0	<0.95	<1.2	--	--	--	--	--	--	--	--	--
	Di-n-octylphthalate	µg/L	334	BCL	--	--	19	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	Dibenz(a,h)anthracene	µg/L	0.0251	BCL	--	--	19	0	0	<0.24	<0.31	--	--	--	--	--	--	--	--	--
	Dibenzofuran	µg/L	33.4	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/L	600	MCL	<0.25	<0.50	19	3	15.8	<0.19	<0.25	0.39 J	0.63	0.59	0.54	0.13	0.24	M-65	0	--
	1,3-Dichlorobenzene	µg/L	80.7	BCL	<0.25	<0.25	19	4	21.1	<0.19	<0.25	0.24 J-	0.65	0.26	0.35	0.2	0.57	M-66	0	--
	1,4-Dichlorobenzene	µg/L	75	MCL	<0.25	<0.25	19	3	15.8	<0.19	<0.25	0.28 J	0.41 J	0.39	0.36	0.07	0.19	M-66	0	--
	3,3'-Dichlorobenzidine	µg/L	0.173	BCL	--	--	14	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	µg/L	100	BCL	--	--	5	0	0	<0.97	<1.0	--	--	--	--	--	--	--	--	--
	Diethylphthalate	µg/L	26,700	BCL	--	--	19	7	36.8	<0.47	<0.62	0.72 J	2.3 J	1	1.2	0.53	0.43	M-38	0	--
	2,4-Dimethylphenol	µg/L	667	BCL	--	--	5	0	0	<0.97	<1.0	--	--	--	--	--	--	--	--	--
	Dimethylphthalate	µg/L	334,000	BCL	--	--	27	0	0	<0.24	<5.4	--	--	--	--	--	--	--	--	--
	2,4-Dinitrophenol	µg/L	66.7	BCL	--	--	5	0	0	<1.9	<2.0	--	--	--	--	--	--	--	--	--
	2,4-Dinitrotoluene	µg/L	0.251	BCL	--	--	19	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	µg/L	0.0519	BCL	--	--	19	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	1,2-Diphenylhydrazine	µg/L	0.0974	BCL	--	--	19	0	0	<0.47	<0.62	--	--	--	--	--	--	--	--	--
	Fluoranthene	µg/L	1,330	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Fluorene	µg/L	1,330	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Hexachlorobenzene	µg/L	1	MCL	--	--	27	0	0	<0.47	<5.4	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/L	0.203	BCL	<0.25	<0.25	19	2	10.5	<0.49	<0.62	0.71 J	0.81 J	0.76	0.76	0.071	0.093	M-66	2	4

TABLE 7-3a. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, SHALLOW WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
SVOCs	Hexachlorocyclopentadiene	µg/L	50	MCL	--	--	19	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	Hexachloroethane	µg/L	0.404	BCL	--	--	19	0	0	<0.47	<0.62	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	µg/L	0.251	BCL	--	--	19	0	0	<0.95	<1.2	--	--	--	--	--	--	--	--	--
	Isophorone	µg/L	82	BCL	--	--	19	0	0	<0.47	<0.62	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene	µg/L	2.69	BCL	--	--	25	0	0	<3.3	<4.0	--	--	--	--	--	--	--	--	--
	2-Methylnaphthalene	µg/L	133	BCL	--	--	26	0	0	<0.49	<5.4	--	--	--	--	--	--	--	--	--
	2-Methylphenol	µg/L	1,670	BCL	--	--	5	0	0	<0.97	<1.0	--	--	--	--	--	--	--	--	--
	3&4-Methylphenol	µg/L	370	RSL	--	--	4	0	0	<1.9	<2.0	--	--	--	--	--	--	--	--	--
	4-Methylphenol	µg/L	667	BCL	--	--	1	0	0	<2.0	<2.0	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	19	0	0	0.47 UJ	<0.62	--	--	--	--	--	--	--	--	--
	2-Nitroaniline	µg/L	334	BCL	--	--	18	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	µg/L	--	--	--	--	17	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	µg/L	3.9	BCL	--	--	17	0	0	<1.9	<2.5	--	--	--	--	--	--	--	--	--
	Nitrobenzene	µg/L	0.14	BCL	--	--	19	0	0	<0.47	<0.62	--	--	--	--	--	--	--	--	--
	2-Nitrophenol	µg/L	--	--	--	--	5	0	0	<0.97	<1.0	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	µg/L	267	BCL	--	--	5	0	0	<1.9	<2.0	--	--	--	--	--	--	--	--	--
	n-Nitrosodiphenylamine	µg/L	15.9	BCL	--	--	17	0	0	<0.49	<0.62	--	--	--	--	--	--	--	--	--
	Octachlorostyrene	µg/L	--	--	--	--	27	0	0	<6.2	<7.4	--	--	--	--	--	--	--	--	--
	Pentachlorophenol	µg/L	1	MCL	--	--	5	0	0	<0.97	<1.0	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/L	6.22	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	Phenol	µg/L	10,000	BCL	--	--	5	0	0	<0.49	<0.51	--	--	--	--	--	--	--	--	--
	Phthalic acid	µg/L	66,700	BCL	--	--	15	0	0	5.6 UJ	7.0 UJ	--	--	--	--	--	--	--	--	--
	Pyrene	µg/L	1,000	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	µg/L	70	MCL	<0.40	<0.40	19	2	10.5	<0.47	<0.60	1.4	2.1	1.8	1.8	0.49	0.28	RISB-13	0	--
	2,4,5-Trichlorophenol	µg/L	3,340	BCL	--	--	5	0	0	<0.97	<1.0	--	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	µg/L	7.08	BCL	--	--	5	0	0	<0.49	<0.51	--	--	--	--	--	--	--	--	--
	bis(2-Chloro-1-methylethyl) ether	µg/L	1,330	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethoxy)methane	µg/L	100	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	µg/L	0.0137	BCL	--	--	19	0	0	<0.19	<0.25	--	--	--	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	µg/L	6	MCL	--	--	19	1	5.3	<1.9	<2.5	3.3 J	3.3 J	3.3	3.3	--	--	RISB-11	0	--
	4,6-Dinitro-2-methylphenol	µg/L	2.67	BCL	--	--	5	0	0	<1.9	<2.0	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	µg/L	3,340	BCL	--	--	5	0	0	<0.19	<0.20	--	--	--	--	--	--	--	--	--
	n-Nitroso-di-n-propylamine	µg/L	0.0111	BCL	--	--	19	0	0	<0.95	<1.2	--	--	--	--	--	--	--	--	--
PAHs	Acenaphthene	µg/L	2,000	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Acenaphthylene	µg/L	1,000	BCL	--	--	15	1	6.7	<0.098	<0.13	0.52	0.52	0.52	0.52	--	--	M-256-60	0	--
	Anthracene	µg/L	10,000	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	µg/L	0.0298	BCL	--	--	15	0	0	<0.098	<0.13	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	µg/L	0.2	MCL	--	--	15	0	0	<0.098	<0.13	--	--	--	--	--	--	--	--	--
	Benzo(b)fluoranthene	µg/L	0.251	BCL	--	--	15	0	0	<0.098	<0.13	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene	µg/L	1,000	BCL	--	--	15	0	0	<0.098	<0.13	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	µg/L	2.51	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Chrysene	µg/L	25.1	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Dibenz(a,h)anthracene	µg/L	0.0251	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Fluoranthene	µg/L	1,330	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Fluorene	µg/L	1,330	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	µg/L	0.251	BCL	--	--	15	0	0	<0.098	<0.13	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/L	6.22	BCL	--	--	15	0	0	<0.098	<0.13	--	--	--	--	--	--	--	--	--
	Pyrene	µg/L	1,000	BCL	--	--	7	0	0	<0.11	<0.13	--	--	--	--	--	--	--	--	--
PCBs	Aroclor-1016	µg/L	0.224	BCL	--	--	7	0	0	<0.28	<0.31	--	--	--	--	--	--	--	--	--
	Aroclor-1221	µg/L	0.00786	BCL	--	--	7	0	0	<0.28	<0.31	--	--	--	--	--	--	--	--	--
	Aroclor-1232	µg/L	0.00786	BCL	--	--	7	0	0	<0.28	<0.31	--	--	--	--	--	--	--	--	--
	Aroclor-1242	µg/L	0.00786	BCL	--	--	7	0	0	<0.28	<0.31	--	--	--	--	--	--	--	--	--
	Aroclor-1248	µg/L	0.00786	BCL	--	--	7	0	0	<0.28	<0.31	--	--	--	--	--	--	--	--	--
	Aroclor-1254	µg/L	0.00786	BCL	--	--	7	0	0	<0.28	<0.31	--	--	--	--	--	--	--	--	--
	Aroclor-1260	µg/L	0.00786	BCL	--	--	118	1	0.8	<0.23	<0.31	0.40 J-	0.40 J-	0.4	0.4	--	--	RISB-12	1	51

TABLE 7-3a. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, SHALLOW WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	30	MCL	--	--	40	1	2.5	<0.093	<1.9	2.1 J	2.1 J	2.1	2.1	--	--	RISB-12	0	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	30	CAL	--	--	40	3	7.5	<0.13	<1.4	0.26 J	5.0 J	1.6	2.3	2.4	1.1	RISB-12	0	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	300	CAL	--	--	40	27	67.5	<0.17	<1.5	0.17 J	3.2 J	1.3	1.4	0.74	0.53	RISB-12	0	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	300	CAL	--	--	40	7	17.5	<0.14	<2.0	0.26 J	5.0 J	0.8	1.5	1.7	1.2	RISB-12	0	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	300	CAL	--	--	40	10	25	<0.14	<1.3	0.22 J	6.4 J	0.59	1.3	1.9	1.5	RISB-12	0	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	3,000	CAL	--	--	40	36	90	<0.40	<0.67	0.50 J	21 J	1	1.9	3.4	1.8	RISB-12	0	--
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	pg/L	100,000	CAL	--	--	40	38	95	<1.2	<1.8	1.1 J	29 J	4.2	7.2	7.9	1.1	RISB-12	0	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	300	CAL	--	--	40	13	32.5	<0.060	<1.2	0.27 J	65	0.91	6.9	18	2.6	RISB-12	0	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	1,000	CAL	--	--	40	11	27.5	<0.10	<1.2	0.45 J	59	1	7.1	17	2.4	RISB-12	0	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	100	CAL	--	--	40	8	20	<0.10	<1.2	0.17 J	36 J	2.5	8.2	13	1.5	RISB-12	0	--
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	40	16	40	<0.12	<1.0	0.27 J	100	1.6	9.3	25	2.6	RISB-12	0	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	40	15	37.5	<0.11	<0.92	0.21 J	63	1.2	6	16	2.6	RISB-12	0	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	40	15	37.5	<0.26	<1.0	0.22 J	9.4 J	0.77	1.4	2.3	1.6	RISB-12	0	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	40	9	22.5	<0.20	<0.99	0.19 J	14 J	0.79	2.5	4.4	1.7	RISB-12	0	--
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	3,000	CAL	--	--	40	32	80	<0.16	<1.5	0.53 J	220	2	10	39	3.7	RISB-12	0	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	3,000	CAL	--	--	40	19	47.5	<0.18	<1.7	0.44 J	87	1.7	6.8	20	2.9	RISB-12	0	--
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	pg/L	100,000	CAL	--	--	40	33	82.5	<0.18	<1.5	0.77 J	530	5.2	25	92	3.6	RISB-12	0	--
Pesticides - OCPs	Aldrin	µg/L	0.000917	BCL	--	--	17	0	0	<0.0014	<0.0019	--	--	--	--	--	--	--	--	--
	alpha-BHC	µg/L	10	BCL	--	--	25	8	32	<0.0024	<0.022	0.0056 J	0.032	0.0076	0.013	0.011	0.88	RISB-14	0	--
	beta-BHC	µg/L	2	BCL	--	--	25	7	28	<0.0038	<0.033	0.011 J	0.078	0.049	0.044	0.024	0.56	RISB-13	0	--
	delta-BHC	µg/L	10	BCL	--	--	17	8	47.1	<0.0033	<0.0040	0.0059	0.057 J	0.016	0.024	0.018	0.77	M-126	0	--
	gamma-BHC	µg/L	0.2	MCL	--	--	25	4	16	<0.0028	<0.022	0.0050 J	0.13 J	0.059	0.063	0.066	1	M-126	0	--
	gamma-Chlordane	µg/L	10	RSL	--	--	17	0	0	<0.028	<0.037	--	--	--	--	--	--	--	--	--
	4,4'-DDD	µg/L	0.325	BCL	--	--	17	0	0	<0.0038	<0.0049	--	--	--	--	--	--	--	--	--
	2,4'-DDE	µg/L	--	--	--	--	25	0	0	<0.019	<0.025	--	--	--	--	--	--	--	--	--
	4,4'-DDE	µg/L	0.0462	BCL	--	--	25	0	0	<0.0028	<0.022	--	--	--	--	--	--	--	--	--
	4,4'-DDT	µg/L	0.229	BCL	--	--	25	0	0	<0.0038	<0.022	--	--	--	--	--	--	--	--	--
	Dieldrin	µg/L	0.00487	BCL	--	--	25	0	0	<0.0019	<0.022	--	--	--	--	--	--	--	--	--
	Endosulfan I	µg/L	--	--	--	--	25	0	0	<0.0028	<0.022	--	--	--	--	--	--	--	--	--
	Endosulfan II	µg/L	--	--	--	--	17	0	0	<0.0019	0.0025 UJ	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	µg/L	110	RSL	--	--	25	0	0	<0.0028	<0.022	--	--	--	--	--	--	--	--	--
	Endrin	µg/L	2	MCL	--	--	17	0	0	<0.0019	<0.0025	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	µg/L	--	--	--	--	17	0	0	<0.0019	<0.0025	--	--	--	--	--	--	--	--	--
	Endrin ketone	µg/L	--	--	--	--	25	0	0	<0.0066	<0.044	--	--	--	--	--	--	--	--	--
	Heptachlor	µg/L	0.4	MCL	--	--	17	0	0	<0.0028	<0.0037	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	µg/L	0.2	MCL	--	--	17	0	0	<0.0024	<0.0031	--	--	--	--	--	--	--	--	--
	Methoxychlor	µg/L	40	MCL	--	--	17	0	0	<0.0033	<0.0043	--	--	--	--	--	--	--	--	--
	Toxaphene	µg/L	3	MCL	--	--	17	0	0	<0.24	<0.31	--	--	--	--	--	--	--	--	--
Pesticides - OPPs	Atrazine	µg/L	3	MCL	--	--	7	0	0	<0.31	<0.34	--	--	--	--	--	--	--	--	--
	Chlorpyrifos	µg/L	33.4	BCL	--	--	15	0	0	<0.133	<0.42	--	--	--	--	--	--	--	--	--
	Coumaphos	µg/L	--	--	--	--	15	0	0	<0.14	<0.277	--	--	--	--	--	--	--	--	--
	Dasanit	µg/L	--	--	--	--	15	0	0	<0.130	<0.64	--	--	--	--	--	--	--	--	--
	Demeton (O + S)	µg/L	1.33	BCL	--	--	15	0	0	<0.0680	<0.341	--	--	--	--	--	--	--	--	--
	Diazinon	µg/L	23.4	BCL	--	--	15	0	0	<0.0950	<0.377	--	--	--	--	--	--	--	--	--
	Dichlorovos	µg/L	0.269	BCL	--	--	15	0	0	<0.0530	<0.212	--	--	--	--	--	--	--	--	--
	Dimethoate	µg/L	73.4	BCL	--	--	15	0	0	<0.105	<0.53	--	--	--	--	--	--	--	--	--
	Disulfoton	µg/L	1.33	BCL	--	--	15	0	0	<0.100	<0.38	--	--	--	--	--	--	--	--	--
	EPN	µg/L	0.334	BCL	--	--	15	0	0	<0.16	<0.261	--	--	--	--	--	--	--	--	--
	Ethoprop	µg/L	--	--	--	--	15	0	0	<0.102	<0.354	--	--	--	--	--	--	--	--	--
	Famphur	µg/L	--	--	--	--	7	0	0	<0.19	<0.21	--	--	--	--	--	--	--	--	--
	Fenthion	µg/L	--	--	--	--	15	0	0	<0.0750	<0.266	--	--	--	--	--	--	--	--	--
	Guthion	µg/L	100	BCL	--	--	8	0	0	<0.140	<0.348	--	--	--	--	--	--	--	--	--
	Malathion	µg/L	667	BCL	--	--	15	0	0	<0.116	<0.173	--	--	--	--	--	--	--	--	--
	Merphos	µg/L	1	BCL	--	--	15	0	0	<0.145	<0.267	--	--	--	--	--	--	--	--	--
	Methyl parathion	µg/L	8.34	BCL	--	--	15	0	0	<0.149	<0.257	--	--	--	--	--	--	--	--	--
	Mevinphos	µg/L	--	--	--	--	15	0	0	<0.118	<0.54	--	--	--	--	--	--	--	--	--

TABLE 7-3a. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, SHALLOW WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
Pesticides - OPPs	Naled	µg/L	66.7	BCL	--	--	8	0	0	<0.145	<0.289	--	--	--	--	--	--	--	--	--
	Parathion	µg/L	200	BCL	--	--	15	0	0	<0.144	<0.292	--	--	--	--	--	--	--	--	--
	Phorate	µg/L	6.67	BCL	--	--	15	0	0	<0.115	<0.282	--	--	--	--	--	--	--	--	--
	Prothiophos	µg/L	--	--	--	--	8	0	0	<0.118	<0.254	--	--	--	--	--	--	--	--	--
	Tetraethyl Pyrophosphate	µg/L	--	--	--	--	8	0	0	<0.487	<9.74	--	--	--	--	--	--	--	--	--
	Ronnel	µg/L	1,670	BCL	--	--	15	0	0	<0.0990	<0.252	--	--	--	--	--	--	--	--	--
	Simazine	µg/L	4	MCL	--	--	7	0	0	<0.24	<0.26	--	--	--	--	--	--	--	--	--
	Stirophos	µg/L	3.25	BCL	--	--	15	0	0	<0.117	<0.226	--	--	--	--	--	--	--	--	--
	Sulfotepp	µg/L	16.7	BCL	--	--	15	0	0	<0.0970	<0.202	--	--	--	--	--	--	--	--	--
	Sulprofos	µg/L	--	--	--	--	15	0	0	<0.129	<0.37	--	--	--	--	--	--	--	--	--
	Thionazin	µg/L	--	--	--	--	7	0	0	<0.33	<0.37	--	--	--	--	--	--	--	--	--
	Trichloronate	µg/L	--	--	--	--	15	0	0	<0.119	<0.28	--	--	--	--	--	--	--	--	--
Petroleum Indicators	Gasoline Range Organics	mg/L	--	--	--	--	15	6	40	<0.025	<0.025	0.026 J	0.046 J	0.037	0.036	0.0071	0.2	RISB-58	--	--
	Diesel Range Organics	mg/L	--	--	--	--	22	11	50	<0.025	<0.11	0.023 J	0.88	0.065	0.19	0.26	1.4	RISB-59	--	--
	Petroleum Hydrocarbons	mg/L	--	--	--	--	22	3	13.6	<0.023	<0.11	0.042 J	0.72	0.096	0.29	0.38	1.3	RISB-59	--	--
	Extractable Fuel Hydrocarbons	mg/L	--	--	--	--	14	12	85.7	<0.025	<0.029	0.044 J	1.6	0.099	0.29	0.44	1.5	RISB-59	--	--
Other Organics	Acetic acid	µg/L	--	--	--	--	1	0	0	<2,900	<2,900	--	--	--	--	--	--	--	--	--
	Butyric acid	µg/L	--	--	--	--	1	0	0	<2,600	<2,600	--	--	--	--	--	--	--	--	--
	4-Chlorobenzenesulfonic acid	µg/L	3,340	BCL	--	--	10	4	40	<0.097	<0.097	130	23,000 J+	2,400	7,000	11,000	1.5	M-5A	1	6.9
	Formaldehyde	µg/L	0.387	BCL	--	--	8	0	0	<5.0	<5.0	--	--	--	--	--	--	--	--	--
	Formic acid	µg/L	0.626	BCL	--	--	1	0	0	<2,600	<2,600	--	--	--	--	--	--	--	--	--
	Lactic acid	µg/L	--	--	--	--	1	0	0	<3,100	<3,100	--	--	--	--	--	--	--	--	--
	Propionic acid	µg/L	--	--	--	--	1	0	0	<3,500	<3,500	--	--	--	--	--	--	--	--	--
	Pyruvic acid	µg/L	--	--	--	--	1	0	0	<3,700	<3,700	--	--	--	--	--	--	--	--	--

Notes:

1. Groundwater screening levels (GWSLs).
   MCL: Maximum Contaminant Level, USEPA.
   MCLG: Maximum Contaminant Level Goal, USEPA.
   PRG: Preliminary Remediation Goal, USEPA 2008 and USEPA 2009.
   BCL: Residential Water Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for tapwater, USEPA 2023.
   CAL: Primary MCL of 2,3,7,8-tetrachlorodibenzo-p-dioxin divided by Toxic Equivalency Factor (Van den Berg et al. 2006).

	Detected at a rate of 5% or less, fewer than 10 samples exceeded the GWSL, and the maximum concentration less than a factor of 20 above the GWSL.
	Detected at a rate of 5% or less with no applicable GWSL.
	No detections or maximum detected concentration is below groundwater screening level.
	Essential Nutrient, macronutrient or salt.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.

[2] USEPA. 2008. Interim Drinking Water Health Advisory for Perchlorate EPA 822-R-08-025. December.

[3] USEPA. 2009. Memorandum: Revised Assessment Guidance for Perchlorate. January 8.

[4] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.

[5] USEPA. National Primary Drinking Water Regulations. Code of Federal Regulations, 40 CFR Part 141.

[6] Van den Berg M et al. 2006. Review: The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93 (2): 223-241.

TABLE 7-3b. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, MIDDLE WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
General Chemistry	Ammonia	mg/L	1.04	BCL	<0.082	<0.082	43	5	11.6	<0.082	<0.10	0.12 J	0.27 J	0.18	0.19	0.058	0.3	M-256-100	0	--
	Bicarbonate as HCO_3	mg/L	--	--	86	97	60	60	100	--	--	7.9	1,600	92	120	200	1.7	M-218	--	--
	Bromide	mg/L	13.3	BCL	0.39 J	1.3	97	61	62.9	<0.25	<25	0.25 J+	14	0.37	0.99	2.4	2.4	M-186	1	1.1
	Carbonate as CO_3	mg/L	--	--	<2.4	<2.4	76	5	6.6	<2.4	<2.4	6.8	120	24	52	53	1	M-228R	--	--
	Chlorate	mg/L	1.0	BCL	<0.010	<0.025	206	136	66	<0.0050	<0.10	0.013 J	32,000	12	1,500	4,700	3.1	M-251-100	108	32,000
	Chloride	mg/L	--	--	130	140 J-	97	97	100	--	--	13	7,200	150	500	1,200	2.4	M-199	--	--
	Cyanide (total)	mg/L	0.20	MCL	--	--	1	0	0	<0.013	<0.013	--	--	--	--	--	--	--	--	--
	Hydroxide	mg/L	--	--	<1.4	<1.4	60	0	0	<1.4	<1.4	--	--	--	--	--	--	--	--	--
	Nitrate (as N)	mg/L	10	MCL	1.5	1.8	191	190	99.5	<0.055	<0.055	0.27	65	1.6	3.9	9	2.3	M-251-100	12	6.5
	Nitrate Nitrite as N	mg/L	10	MCL	1.5	1.8	81	81	100	--	--	0.35	18	1.7	2.9	3.2	1.1	M-195	4	1.8
	Nitrite (as N)	mg/L	1.0	MCL	<0.070	<0.070	97	5	5.2	<0.025	<7.0	0.12 J+	0.40	0.14	0.19	0.12	0.64	M-165	0	--
	Perchlorate	mg/L	0.015	PRG	<0.00050	0.0013	280	227	81.1	<0.00050	<0.00095	0.00055 J	6,700 J-	0.81	240	890	3.7	U4U5-64	172	450,000
	ortho-Phosphate	mg/L	--	--	<0.030	<0.030	74	7	9.5	<0.015	<3	0.042 J	0.24	0.072	0.09	0.068	0.76	M-200	--	--
	Sulfate	mg/L	--	--	240	260	139	139	100	--	--	21	1,200	210	350	270	0.76	M-199	--	--
Metals	Aluminum	mg/L	33.4	BCL	<0.025	0.031 J-	121	14	11.6	<0.025	<0.25	0.027 J	1.4	0.078	0.23	0.36	1.6	M-149	0	--
	Antimony	mg/L	0.006	MCL	<0.00050	<0.0025	21	0	0	<0.00050	<0.10	--	--	--	--	--	--	--	--	--
	Arsenic	mg/L	0.010	MCL	0.014	0.053	120	114	95	<0.010	<0.20	0.0087 J	0.045	0.024	0.024	0.0092	0.39	TR-9	109	4.5
	Barium	mg/L	2.0	MCL	0.021 J-	0.022	21	21	100	--	--	0.0065 J	0.27	0.022	0.065	0.089	1.4	M-251-100	0	--
	Beryllium	mg/L	0.004	MCL	--	--	1	0	0	<0.0050	<0.0050	--	--	--	--	--	--	--	--	--
	Boron	mg/L	6.67	BCL	0.77	0.83	136	136	100	--	--	0.49	9.2	0.85	1.3	1.3	1	M-197	2	1.4
	Cadmium	mg/L	0.0167	BCL	<0.0020	<0.0020	21	0	0	<0.0020	<0.013	--	--	--	--	--	--	--	--	--
	Calcium	mg/L	--	--	43	52	83	83	100	--	--	19	1,800	39	180	340	1.9	M-251-100	--	--
	Chromium (total)	µg/L	100	MCL	14	22	303	302	99.7	<2.5	<2.5	3.5 J	97,000	30	3,800	14,000	3.8	M-251-100	98	970
	Chromium VI	µg/L	0.0501	BCL	14	16 J-	157	155	98.7	<0.25	<0.25	0.35 J	97,000	27	5,300	17,000	3.1	M-249-100	155	1,900,000
	Cobalt	mg/L	0.010	BCL	<0.0025	<0.0025	44	2	4.5	<0.0025	<0.025	0.0039 J	0.0043 J	0.0041	0.0041	0.00028	0.069	M-150	0	--
	Copper	mg/L	1.3	MCL	<0.0050	<0.0050	21	1	4.8	<0.0050	<0.025	0.067	0.067	0.067	0.067	--	--	M-255-100	0	--
	Iron	mg/L	23.4	BCL	<0.010	<0.010	122	20	16.4	<0.010	<0.25	0.010 J	1.0	0.055	0.13	0.22	1.7	M-149	0	--
	Lead	mg/L	0.015	MCL	<0.0025	<0.0025	121	7	5.8	<0.0025	<0.019	0.0026 J	0.0039 J	0.0035	0.0034	0.00041	0.12	TR-1	0	--
	Magnesium	mg/L	189	BCL	19	21	123	123	100	--	--	11	1,100	20	96	190	2	M-249-100	16	5.8
	Manganese	mg/L	0.801	BCL	<0.010	<0.010	125	23	18.4	<0.010	<0.075	0.015 J	6.0	0.028	0.34	1.2	3.7	U4U5-74	1	7.5
	Mercury	mg/L	0.002	MCL	<0.00010	<0.00010	20	0	0	<0.00010	<0.00010	--	--	--	--	--	--	--	--	--
	Molybdenum	mg/L	0.167	BCL	--	--	17	12	70.6	<0.010	<0.050	0.010 J	0.027	0.012	0.013	0.0046	0.35	M-255-100	0	--
	Nickel	mg/L	0.667	BCL	<0.0050	<0.0050	21	0	0	<0.0050	<0.025	--	--	--	--	--	--	--	--	--
	Niobium	mg/L	0.00334	BCL	--	--	15	0	0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
	Palladium	mg/L	--	--	--	--	15	0	0	<0.00020	<0.010	--	--	--	--	--	--	--	--	--
	Phosphorus (total)	mg/L	33.4	BCL	<0.025	<0.025	87	52	59.8	<0.025	<0.025	0.025 J	0.14	0.046	0.056	0.029	0.52	M-247-100	0	--
	Potassium	mg/L	--	--	9.0	9.7	82	82	100	--	--	4.9	82	7.3	13	13	1	M-199	--	--
	Selenium	mg/L	0.050	MCL	--	--	17	1	5.9	<0.0020	<0.10	0.0022 J	0.0022 J	0.0022	0.0022	--	--	M-254	0	--
	Silicon	mg/L	--	--	--	--	17	17	100	--	--	4.6	15	7.2	8.3	3.2	0.38	M-247-100	--	--
	Silver	mg/L	0.167	BCL	--	--	17	0	0	<0.0050	<0.025	--	--	--	--	--	--	--	--	--
	Sodium	mg/L	--	--	170	170	82	82	100	--	--	110	2,900	150	340	510	1.5	M-199	--	--
	Strontium	mg/L	20	BCL	1.0 J-	1.2	121	121	100	--	--	0.64	72	1.3	5.8	13	2.2	M-249-100	7	3.6
	Sulfur	mg/L	--	--	--	--	16	16	100	--	--	53	440	64	120	130	1	M-251-100	--	--
	Thallium	mg/L	0.002	MCL	--	--	17	0	0	<0.00090	<0.045	--	--	--	--	--	--	--	--	--
	Tungsten	mg/L	0.0267	BCL	<0.50	<0.50	24	0	0	<0.050	<0.50	--	--	--	--	--	--	--	--	--
	Uranium (total)	mg/L	0.030	MCL	0.0020 J	0.0023	96	96	100	--	--	0.000471 J	0.014 J	0.0045	0.0047	0.0024	0.51	M-199	0	--
	Vanadium	mg/L	0.167	BCL	0.031	0.032	82	67	81.7	<0.0050	<0.025	0.0052 J	0.023	0.016	0.015	0.0044	0.28	M-218	0	--
	Zinc	mg/L	10	BCL	<0.010	0.015 J	21	2	9.5	<0.010	<0.060	0.011 J	0.018 J	0.014	0.014	0.0049	0.34	M-161D	0	--
	Zirconium	mg/L	0.00267	BCL	--	--	94	0	0	<0.050	<0.25	--	--	--	--	--	--	--	--	--
Radionuclides	Radium-226	pCi/L	--	--	0.0824 U	0.106 J	43	31	72.1	0.0248 U	0.122 U	0.0693 J	1.37 J+	0.15	0.27	0.35	1.3	M-251-100	--	--
	Radium-228	pCi/L	--	--	0.170 U	0.283 U	43	7	16.3	-0.498 U	0.539 U	0.319 J	2.75 J+	0.52	1.2	1	0.85	M-249-100	--	--
	Thorium-228	pCi/L	0.14	BCL	0.00756 U	0.0177 U	43	8	18.6	-0.0736 U	0.205 U	0.159 J+	1.49	0.65	0.73	0.57	0.78	M-251-100	8	11
	Thorium-230	pCi/L	0.05	BCL	0.151 J	0.167 U	43	31	72.1	0.0387 U	0.594	0.0771 J	1.84	0.35	0.51	0.42	0.83	M-255-100	31	37
	Thorium-232	pCi/L	0.17	BCL	-0.0226 U	0.0841 U	43	0	0	-0.0913 U	0.301	--	--	--	--	--	--	--	--	--
	Uranium-234	pCi/L	--	--	1.24	1.33	43	42	97.7	0.0922	0.0922	0.553 J	3.76	1.6	1.7	0.63	0.37	M-165	--	--
	Uranium-235	pCi/L	--	--	0.000 U	0.0431 U	43	9	20.9	-0.0815 U	0.308 U	0.0779	0.217	0.099	0.12	0.05	0.41	M-151	--	--

TABLE 7-3b. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, MIDDLE WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
Radionuclides	Uranium-238	pCi/L	--	--	0.666	0.728	43	42	97.7	0.297	0.297	0.486 J	3.52	1.1	1.3	0.62	0.5	M-165	--	--
VOCs	Acetone	µg/L	20,500	BCL	--	--	57	29	50.9	<10	<500	12 J	250	23	38	48	1.3	U4U5-31	0	--
	t-Amyl methyl ether	µg/L	--	--	--	--	55	0	0	<0.25	<13	--	--	--	--	--	--	--	--	--
	Benzene	µg/L	5	MCL	<0.25	<0.25	212	7	3.3	<0.25	<13	0.65	29,000	300	9,500	12,000	1.3	M-228	5	5,800
	Bromobenzene	µg/L	85.2	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Bromochloromethane	µg/L	83.4	BCL	0.25 UJ	0.25 UJ	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/L	0.135	BCL	<0.25	<0.25	196	9	4.6	<0.25	<250	0.26 J	2.5	0.38	0.62	0.71	1.2	U4U5-63	9	19
	Bromoform	µg/L	3.36	BCL	<0.40	<0.40	196	6	3.1	<0.40	<400	0.40 J	7.4 J	0.59	1.9	2.8	1.5	M-199	1	2.2
	Bromomethane	µg/L	8.53	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/L	6,860	BCL	<2.5	<2.5	212	9	4.2	<2.5	<2,500	3.1 J	5.6	3.6	4.1	1	0.25	U4U5-70	0	--
	n-Butylbenzene	µg/L	1,670	BCL	<0.40	<0.40	196	0	0	<0.40	<400	--	--	--	--	--	--	--	--	--
	sec-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	tert-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	µg/L	5	MCL	<0.25	<0.25	212	19	9	<0.25	<13	0.25 J	2,300	0.65	310	730	2.3	M-228	5	460
	Chlorobenzene	µg/L	100	MCL	<0.25	<0.25	212	11	5.2	<0.25	<13	0.25 J	210,000	1.9	56,000	87,000	1.6	M-228	5	2,100
	Chloroethane	µg/L	20,900	BCL	<0.40	<0.40	196	0	0	<0.40	<400	--	--	--	--	--	--	--	--	--
	Chloroform	µg/L	70	MCLG	<0.25	<0.25	214	122	57	<0.25	<0.25	0.26 J	8,300	38	560	1,300	2.3	M-251-100	47	120
	Chloromethane	µg/L	188	BCL	<0.25	<0.25	198	14	7.1	<0.25	<250	0.25 J	25	0.56	2.9	6.7	2.3	U4U5-34	0	--
	2-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Cumene	µg/L	667	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	p-Cymene	µg/L	834	BCL	<0.25	<0.25	196	1	0.5	<0.25	<250	0.26 J	0.26 J	0.26	0.26	--	--	U4U5-74	0	--
	1,2-Dibromo-3-chloropropane	µg/L	0.2	MCL	<0.50	<0.50	196	0	0	<0.50	<500	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	µg/L	60	MCLG	<0.25	<0.25	196	1	0.5	<0.25	<250	0.87	0.87	0.87	0.87	--	--	U4U5-63	0	--
	1,2-Dibromoethane	µg/L	0.05	MCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/L	8.34	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/L	600	MCL	<0.25	<0.50	212	5	2.4	<0.25	<13	1,300	6,900	4,900	4,200	2,500	0.6	M-228R	5	12
	1,3-Dichlorobenzene	µg/L	80.7	BCL	<0.25	<0.25	196	5	2.6	<0.25	<13	62	380 J	220	210	140	0.68	M-228	3	4.7
	1,4-Dichlorobenzene	µg/L	75	MCL	<0.25	<0.25	212	8	3.8	<0.25	<13	0.25 J	14,000	2,600	5,200	5,900	1.2	M-228	5	190
	Dichlorodifluoromethane	µg/L	202	BCL	<0.25	<0.40	196	0	0	0.25 UJ	<400	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethane	µg/L	2.79	BCL	<0.25	<0.25	196	2	1	<0.25	<250	0.29 J	0.31 J	0.3	0.3	0.014	0.047	M-235	0	--
	1,2-Dichloroethane	µg/L	5	MCL	0.25 UJ	0.25 UJ	212	5	2.4	<0.25	<250	0.26 J	0.67	0.4	0.45	0.2	0.44	M-235	0	--
	1,1-Dichloroethene	µg/L	7	MCL	<0.25	<0.25	212	6	2.8	<0.25	<250	0.36 J	7.8	1.4	2.8	3	1.1	M-238	1	1.1
	cis-1,2-Dichloroethene	µg/L	70	MCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	trans-1,2-Dichloroethene	µg/L	100	MCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/L	5	MCL	<0.25	<0.25	196	2	1	<0.25	<250	0.35 J	0.43 J	0.39	0.39	0.057	0.15	M-235	0	--
	1,3-Dichloropropane	µg/L	667	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	µg/L	--	--	<0.40	<0.40	196	0	0	<0.40	<400	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/L	--	--	<0.25	<0.25	212	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Diisopropyl ether	µg/L	1,460	BCL	--	--	55	0	0	<0.25	<13	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/L	0.46	BCL	<0.50	<0.50	152	5	3.3	<0.50	<250	0.69 J	1.5 J	0.83	0.93	0.33	0.35	M-238	5	3.3
	Ethyl benzene	µg/L	700	MCL	<0.25	<0.25	196	2	1	<0.25	<250	0.70	0.94	0.82	0.82	0.17	0.21	TR-3	0	--
	Ethyl tert-butyl ether	µg/L	70	RSL	<0.25	<0.25	212	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/L	0.203	BCL	<0.25	<0.25	196	1	0.5	<0.25	<250	0.30 J	0.30 J	0.3	0.3	--	--	TR-11	1	1.5
	2-Hexanone	µg/L	45.5	BCL	--	--	55	2	3.6	<2.5	<130	3.7 J	4.2 J	4	4	0.35	0.09	U4U5-16	0	--
	Methyl tert-butyl ether	µg/L	14.4	BCL	--	--	55	2	3.6	<0.25	<13	0.75	1.2	0.97	0.97	0.32	0.33	U4U5-70	0	--
	Methylene Chloride	µg/L	5	MCL	<0.88	<0.88	212	10	4.7	<0.88	<880	0.90 J	1.7 J	1.5	1.4	0.29	0.21	M-149	0	--
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	196	1	0.5	<0.40	<400	0.48 J	0.48 J	0.48	0.48	--	--	U4U5-16	1	3.6
	4-Methyl-2-pentanone	µg/L	6,260	BCL	--	--	55	2	3.6	<2.5	<130	3.5 J	6.2 J	4.8	4.8	1.9	0.39	U4U5-31	0	--
	n-Propylbenzene	µg/L	1,280	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Styrene	µg/L	100	MCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	1,1,1,2-Tetrachloroethane	µg/L	0.605	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	µg/L	0.0775	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	µg/L	5	MCL	<0.25	<0.25	212	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--

TABLE 7-3b. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, MIDDLE WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
VOCs	Toluene	µg/L	1,000	MCL	<0.25	<0.25	197	21	10.7	<0.25	<250	0.25 J	25	0.54	3	5.7	1.9	U4U5-77	0	--
	1,2,3-Trichlorobenzene	µg/L	26.7	BCL	<0.40	<0.40	212	0	0	<0.40	<400	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	µg/L	70	MCL	<0.40	<0.40	196	1	0.5	<0.40	<400	40 J	40 J	40	40	--	--	M-228R	0	--
	1,1,1-Trichloroethane	µg/L	200	MCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	1,1,2-Trichloroethane	µg/L	5	MCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/L	5	MCL	<0.25	<0.25	212	11	5.2	<0.25	<250	0.26 J	3.8	0.79	1.2	1.1	0.88	M-238	0	--
	Trichlorofluoromethane	µg/L	10,000	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	µg/L	0.000835	BCL	<0.0025	<0.40	343	42	12.2	<0.0025	<400	0.0027 J	1.0	0.05	0.16	0.27	1.7	M-235	42	1,200
	1,2,4-Trimethylbenzene	µg/L	64.6	BCL	<0.25	<0.25	212	1	0.5	<0.25	<250	0.36 J	0.36 J	0.36	0.36	--	--	M-241	0	--
	1,3,5-Trimethylbenzene	µg/L	2,000	BCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	Vinyl chloride	µg/L	2	MCL	<0.25	<0.25	196	0	0	<0.25	<250	--	--	--	--	--	--	--	--	--
	m,p-Xylene	µg/L	--	--	<0.50	<0.50	196	3	1.5	<0.50	<500	0.61 J	3.9	3.1	2.5	1.7	0.68	TR-3	--	--
	o-Xylene	µg/L	202	BCL	<0.25	<0.25	196	2	1	<0.25	<250	2.0	2.5	2.2	2.2	0.35	0.16	TR-3	0	--
	Xylenes (total)	µg/L	10,000	MCL	--	--	55	1	1.8	<0.50	<25	0.61 J	0.61 J	0.61	0.61	--	--	U4U5-74	0	--
	tert Butyl alcohol	µg/L	156	BCL	--	--	55	6	10.9	<5.0	<250	5.2 NJ	17	6.6	8.7	4.6	0.53	U4U5-16	0	--
SVOCs	Acenaphthene	µg/L	2,000	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Acenaphthylene	µg/L	1,000	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Aniline	µg/L	13.7	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Anthracene	µg/L	10,000	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Benzidine	µg/L	0.000109	BCL	--	--	2	0	0	4.9 UJ	4.9 UJ	--	--	--	--	--	--	--	--	--
	Benzo(a)anthracene	µg/L	0.0298	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	µg/L	0.2	MCL	--	--	3	0	0	<0.49	0.55 UJ	--	--	--	--	--	--	--	--	--
	Benzo(b)fluoranthene	µg/L	0.251	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene	µg/L	1,000	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Benzo(k)fluoranthene	µg/L	2.51	BCL	--	--	3	0	0	<0.24	<0.27	--	--	--	--	--	--	--	--	--
	Benzoic acid	µg/L	133,000	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Benzyl alcohol	µg/L	3,340	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	4-Bromophenyl-phenyl ether	µg/L	--	--	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	Butylbenzylphthalate	µg/L	41	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	4-Chloroaniline	µg/L	0.39	BCL	--	--	3	0	0	<0.98	1.1 UJ	--	--	--	--	--	--	--	--	--
	2-Chloronaphthalene	µg/L	2,670	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	2-Chlorophenol	µg/L	167	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	4-Chlorophenyl-phenyl ether	µg/L	--	--	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Chrysene	µg/L	25.1	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Di-n-butylphthalate	µg/L	3,340	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	Di-n-octylphthalate	µg/L	334	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Dibenz(a,h)anthracene	µg/L	0.0251	BCL	--	--	3	0	0	<0.24	<0.27	--	--	--	--	--	--	--	--	--
	Dibenzofuran	µg/L	33.4	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/L	600	MCL	<0.25	<0.50	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	µg/L	80.7	BCL	<0.25	<0.25	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	µg/L	75	MCL	<0.25	<0.25	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	3,3'-Dichlorobenzidine	µg/L	0.173	BCL	--	--	2	0	0	<2.0	<2.0	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	µg/L	100	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	Diethylphthalate	µg/L	26,700	BCL	--	--	3	2	66.7	<0.55	<0.55	0.68 J	1.0	0.84	0.84	0.23	0.27	M-161D	0	--
	2,4-Dimethylphenol	µg/L	667	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	Dimethylphthalate	µg/L	334,000	BCL	--	--	19	0	0	<0.24	<5.7	--	--	--	--	--	--	--	--	--
	2,4-Dinitrophenol	µg/L	66.7	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	2,4-Dinitrotoluene	µg/L	0.251	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	µg/L	0.0519	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	1,2-Diphenylhydrazine	µg/L	0.0974	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	Fluoranthene	µg/L	1,330	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Fluorene	µg/L	1,330	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Hexachlorobenzene	µg/L	1	MCL	--	--	19	0	0	<0.49	<5.7	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/L	0.203	BCL	<0.25	<0.25	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	Hexachlorocyclopentadiene	µg/L	50	MCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Hexachloroethane	µg/L	0.404	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--

TABLE 7-3b. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, MIDDLE WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
SVOCs	Indeno(1,2,3-cd)pyrene	µg/L	0.251	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	Isophorone	µg/L	82	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	1-Methylnaphthalene	µg/L	2.69	BCL	--	--	19	0	0	<3.4	4.0 UJ	--	--	--	--	--	--	--	--	--
	2-Methylnaphthalene	µg/L	133	BCL	--	--	19	0	0	<0.49	<5.7	--	--	--	--	--	--	--	--	--
	2-Methylphenol	µg/L	1,670	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	3&4-Methylphenol	µg/L	370	RSL	--	--	1	0	0	<2.0	<2.0	--	--	--	--	--	--	--	--	--
	4-Methylphenol	µg/L	667	BCL	--	--	2	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	2-Nitroaniline	µg/L	334	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	3-Nitroaniline	µg/L	--	--	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	4-Nitroaniline	µg/L	3.9	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	Nitrobenzene	µg/L	0.14	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	2-Nitrophenol	µg/L	--	--	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	4-Nitrophenol	µg/L	267	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	n-Nitrosodiphenylamine	µg/L	15.9	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	Octachlorostyrene	µg/L	--	--	--	--	19	0	0	<6.3	7.4 UJ	--	--	--	--	--	--	--	--	--
	Pentachlorophenol	µg/L	1	MCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/L	6.22	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	Phenol	µg/L	10,000	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	Phthalic acid	µg/L	66,700	BCL	--	--	16	0	0	5.5 UJ	6.3 UJ	--	--	--	--	--	--	--	--	--
	Pyrene	µg/L	1,000	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	µg/L	70	MCL	<0.40	<0.40	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	µg/L	3,340	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	µg/L	7.08	BCL	--	--	3	0	0	<0.49	<0.55	--	--	--	--	--	--	--	--	--
	bis(2-Chloro-1-methylethyl) ether	µg/L	1,330	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethoxy)methane	µg/L	100	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	bis(2-Chloroethyl) ether	µg/L	0.0137	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	µg/L	6	MCL	--	--	3	0	0	<2.0	2.2 UJ	--	--	--	--	--	--	--	--	--
	4,6-Dinitro-2-methylphenol	µg/L	2.67	BCL	--	--	3	0	0	<2.0	<2.2	--	--	--	--	--	--	--	--	--
	4-Chloro-3-methylphenol	µg/L	3,340	BCL	--	--	3	0	0	<0.20	<0.22	--	--	--	--	--	--	--	--	--
	n-Nitroso-di-n-propylamine	µg/L	0.0111	BCL	--	--	3	0	0	<0.98	<1.1	--	--	--	--	--	--	--	--	--
PAHs	Acenaphthylene	µg/L	1,000	BCL	--	--	15	1	6.7	<0.098	<0.14	0.29	0.29	0.29	0.29	--	--	M-258	0	--
	Benzo(a)anthracene	µg/L	0.0298	BCL	--	--	15	0	0	<0.098	<0.14	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	µg/L	0.2	MCL	--	--	15	0	0	<0.098	<0.14	--	--	--	--	--	--	--	--	--
	Benzo(b)fluoranthene	µg/L	0.251	BCL	--	--	15	0	0	<0.098	<0.14	--	--	--	--	--	--	--	--	--
	Benzo(g,h,i)perylene	µg/L	1,000	BCL	--	--	15	0	0	<0.098	<0.14	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	µg/L	0.251	BCL	--	--	15	0	0	<0.098	<0.14	--	--	--	--	--	--	--	--	--
	Phenanthrene	µg/L	6.22	BCL	--	--	15	0	0	<0.098	<0.14	--	--	--	--	--	--	--	--	--
PCBs	Aroclor-1260	µg/L	0.00786	BCL	--	--	69	0	0	<0.23	<0.28	--	--	--	--	--	--	--	--	--
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/L	30	MCL	--	--	21	0	0	<0.18	<23	--	--	--	--	--	--	--	--	--
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/L	30	CAL	--	--	21	1	4.8	<0.27	<3.2	0.68 J	0.68 J	0.68	0.68	--	--	M-252	0	--
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/L	300	CAL	--	--	21	18	85.7	<0.54	<1.9	0.84 J	3.3 J	1.5	1.7	0.59	0.36	M-247-100	0	--
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/L	300	CAL	--	--	21	2	9.5	<0.18	<4.1	0.75 J	0.80 J	0.78	0.78	0.035	0.046	M-249-100	0	--
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/L	300	CAL	--	--	21	5	23.8	<0.18	<1.6	0.29 J	2.0 J	1	1.1	0.62	0.59	M-252	0	--
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/L	3,000	CAL	--	--	21	19	90.5	<0.29	<0.49	0.48 J	4.6 J	1.1	1.6	1.3	0.8	M-228R	0	--
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	pg/L	100,000	CAL	--	--	21	21	100	--	--	1.3 J	24 J	4.7	7.7	7.1	0.92	M-241	0	--
	2,3,7,8-Tetrachlorodibenzofuran	pg/L	300	CAL	--	--	21	3	14.3	<0.12	<0.97	5.9 J	29	6.5	14	13	0.95	M-228R	0	--
	1,2,3,7,8-Pentachlorodibenzofuran	pg/L	1,000	CAL	--	--	21	5	23.8	<0.16	<0.97	0.46 J	4.6 J	0.88	2.2	2.1	0.94	M-241	0	--
	2,3,4,7,8-Pentachlorodibenzofuran	pg/L	100	CAL	--	--	21	4	19	<0.17	<1.0	0.82 J	100	14	32	47	1.4	M-228R	1	1
	1,2,3,4,7,8-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	21	6	28.6	<0.18	<1.4	0.72 J	81	7.6	19	31	1.7	M-228R	0	--
	1,2,3,6,7,8-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	21	6	28.6	<0.17	<1.3	0.59 J	17 J	1.9	5	6.5	1.3	M-228R	0	--
	1,2,3,7,8,9-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	21	11	52.4	<0.39	<1.8	0.29 J	1.6 J	0.71	0.77	0.44	0.57	M-247-100	0	--
	2,3,4,6,7,8-Hexachlorodibenzofuran	pg/L	300	CAL	--	--	21	3	14.3	<0.17	<1.7	0.46 J	1.9 J	1.1	1.2	0.72	0.63	M-241	0	--
	1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/L	3,000	CAL	--	--	21	15	71.4	<0.14	<0.72	0.23 J	38 J	1.7	5.2	10	2	M-241	0	--
	1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/L	3,000	CAL	--	--	21	7	33.3	<0.17	<0.84	0.29 J	25 J	2.8	7.4	9.9	1.3	M-228R	0	--
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	pg/L	100,000	CAL	--	--	21	16	76.2	<0.17	<0.60	0.49 J	200	3.8	22	52	2.3	M-228R	0	--

TABLE 7-3b. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, MIDDLE WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
Pesticides - OCPs	Aldrin	µg/L	0.000917	BCL	--	--	3	0	0	<0.0015	<0.0016	--	--	--	--	--	--	--	--	--
	alpha-BHC	µg/L	10	BCL	--	--	19	0	0	<0.0025	<0.023	--	--	--	--	--	--	--	--	--
	beta-BHC	µg/L	2	BCL	--	--	19	0	0	<0.0040	<0.034	--	--	--	--	--	--	--	--	--
	delta-BHC	µg/L	10	BCL	--	--	3	0	0	<0.0035	<0.0038	--	--	--	--	--	--	--	--	--
	gamma-BHC	µg/L	0.2	MCL	--	--	19	0	0	<0.0030	<0.023	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	µg/L	10	RSL	--	--	3	0	0	<0.030	<0.033	--	--	--	--	--	--	--	--	--
	4,4'-DDD	µg/L	0.325	BCL	--	--	3	0	0	<0.0040	<0.0044	--	--	--	--	--	--	--	--	--
	2,4'-DDE	µg/L	--	--	--	--	19	0	0	<0.019	<0.023	--	--	--	--	--	--	--	--	--
	4,4'-DDE	µg/L	0.0462	BCL	--	--	19	0	0	<0.0030	<0.023	--	--	--	--	--	--	--	--	--
	4,4'-DDT	µg/L	0.229	BCL	--	--	19	0	0	<0.0040	0.023 UJ	--	--	--	--	--	--	--	--	--
	Dieldrin	µg/L	0.00487	BCL	--	--	19	0	0	<0.0020	<0.023	--	--	--	--	--	--	--	--	--
	Endosulfan I	µg/L	--	--	--	--	19	0	0	<0.0030	<0.023	--	--	--	--	--	--	--	--	--
	Endosulfan II	µg/L	--	--	--	--	3	0	0	<0.0020	<0.0022	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	µg/L	110	RSL	--	--	19	0	0	<0.0030	<0.023	--	--	--	--	--	--	--	--	--
	Endrin	µg/L	2	MCL	--	--	3	0	0	<0.0020	<0.0022	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	µg/L	--	--	--	--	3	0	0	<0.0020	<0.0022	--	--	--	--	--	--	--	--	--
	Endrin ketone	µg/L	--	--	--	--	19	0	0	<0.0069	<0.045	--	--	--	--	--	--	--	--	--
	Heptachlor	µg/L	0.4	MCL	--	--	3	0	0	<0.0030	<0.0033	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	µg/L	0.2	MCL	--	--	3	0	0	<0.0025	<0.0027	--	--	--	--	--	--	--	--	--
	Methoxychlor	µg/L	40	MCL	--	--	3	0	0	<0.0035	<0.0038	--	--	--	--	--	--	--	--	--
	Toxaphene	µg/L	3	MCL	--	--	3	0	0	<0.25	<0.27	--	--	--	--	--	--	--	--	--
Pesticides - OPPs	Chlorpyrifos	µg/L	33.4	BCL	--	--	16	0	0	<0.133	<0.245	--	--	--	--	--	--	--	--	--
	Coumaphos	µg/L	--	--	--	--	16	0	0	<0.142	<0.277	--	--	--	--	--	--	--	--	--
	Dasanit	µg/L	--	--	--	--	16	0	0	<0.130	<0.332	--	--	--	--	--	--	--	--	--
	Demeton (O + S)	µg/L	1.33	BCL	--	--	16	0	0	<0.0680	<0.341	--	--	--	--	--	--	--	--	--
	Diazinon	µg/L	23.4	BCL	--	--	16	0	0	<0.0950	<0.377	--	--	--	--	--	--	--	--	--
	Dichlorovos	µg/L	0.269	BCL	--	--	16	0	0	<0.0530	<0.212	--	--	--	--	--	--	--	--	--
	Dimethoate	µg/L	73.4	BCL	--	--	16	0	0	<0.105	<0.240	--	--	--	--	--	--	--	--	--
	Disulfoton	µg/L	1.33	BCL	--	--	16	0	0	<0.100	<0.277	--	--	--	--	--	--	--	--	--
	EPN	µg/L	0.334	BCL	--	--	16	0	0	<0.190	<0.261	--	--	--	--	--	--	--	--	--
	Ethoprop	µg/L	--	--	--	--	16	0	0	<0.102	<0.354	--	--	--	--	--	--	--	--	--
	Fenthion	µg/L	--	--	--	--	16	0	0	<0.0750	<0.266	--	--	--	--	--	--	--	--	--
	Guthion	µg/L	100	BCL	--	--	16	0	0	<0.140	<0.348	--	--	--	--	--	--	--	--	--
	Malathion	µg/L	667	BCL	--	--	16	0	0	<0.116	<0.173	--	--	--	--	--	--	--	--	--
	Merphos	µg/L	1	BCL	--	--	16	0	0	<0.145	<0.267	--	--	--	--	--	--	--	--	--
	Methyl parathion	µg/L	8.34	BCL	--	--	16	0	0	<0.149	<0.257	--	--	--	--	--	--	--	--	--
	Mevinphos	µg/L	--	--	--	--	16	0	0	<0.118	<0.128	--	--	--	--	--	--	--	--	--
	Naled	µg/L	66.7	BCL	--	--	16	0	0	<0.145	<0.289	--	--	--	--	--	--	--	--	--
	Parathion	µg/L	200	BCL	--	--	16	0	0	<0.144	<0.292	--	--	--	--	--	--	--	--	--
	Phorate	µg/L	6.67	BCL	--	--	16	0	0	<0.115	<0.282	--	--	--	--	--	--	--	--	--
	Prothiophos	µg/L	--	--	--	--	16	0	0	<0.118	<0.254	--	--	--	--	--	--	--	--	--
	Tetraethyl Pyrophosphate	µg/L	--	--	--	--	16	0	0	<0.487	<9.74	--	--	--	--	--	--	--	--	--
	Ronnel	µg/L	1,670	BCL	--	--	16	0	0	<0.0990	<0.252	--	--	--	--	--	--	--	--	--
	Stirophos	µg/L	3.25	BCL	--	--	16	0	0	<0.117	<0.226	--	--	--	--	--	--	--	--	--
	Sulfotepp	µg/L	16.7	BCL	--	--	16	0	0	<0.0970	<0.202	--	--	--	--	--	--	--	--	--
	Sulprofos	µg/L	--	--	--	--	16	0	0	<0.129	<0.205	--	--	--	--	--	--	--	--	--
	Trichloronate	µg/L	--	--	--	--	16	0	0	<0.119	<0.213	--	--	--	--	--	--	--	--	--
Petroleum Indicators	Gasoline Range Organics	mg/L	--	--	--	--	16	5	31.2	<0.025	<0.025	0.031 J	0.96	0.53	0.45	0.39	0.88	M-251-100	--	--
	Diesel Range Organics	mg/L	--	--	--	--	16	0	0	<0.094	<0.11	--	--	--	--	--	--	--	--	--
	Petroleum Hydrocarbons	mg/L	--	--	--	--	16	0	0	<0.094	<0.11	--	--	--	--	--	--	--	--	--
Other Organics	Acetic acid	µg/L	--	--	--	--	1	0	0	2,900 UJ	2,900 UJ	--	--	--	--	--	--	--	--	--
	Butyric acid	µg/L	--	--	--	--	1	0	0	<2,600	<2,600	--	--	--	--	--	--	--	--	--
	4-Chlorobenzenesulfonic acid	µg/L	3,340	BCL	--	--	3	0	0	<0.097	<0.097	--	--	--	--	--	--	--	--	--
	Formaldehyde	µg/L	0.387	BCL	--	--	16	4	25	<5.0	<5.0	11	2,000	300	660	910	1.4	M-249-100	4	5,200
	Formic acid	µg/L	0.626	BCL	--	--	1	0	0	2,600 UJ	2,600 UJ	--	--	--	--	--	--	--	--	--
	Lactic acid	µg/L	--	--	--	--	1	0	0	3,100 UJ	3,100 UJ	--	--	--	--	--	--	--	--	--

TABLE 7-3b. STATISTICAL SUMMARY OF OU-1 GROUNDWATER RESULTS, MIDDLE WATER BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-6]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
Other Organics	Propionic acid	µg/L	--	--	--	--	1	0	0	3,500 UJ	3,500 UJ	--	--	--	--	--	--	--	--	--
	Pyruvic acid	µg/L	--	--	--	--	1	0	0	19,000 UJ	19,000 UJ	--	--	--	--	--	--	--	--	--

Notes:

1. Groundwater screening levels (GWSLs).
   MCL: Maximum Contaminant Level, USEPA.
   MCLG: Maximum Contaminant Level Goal, USEPA.
   PRG: Preliminary Remediation Goal, USEPA 2008 and USEPA 2009.
   BCL: Residential Water Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for tapwater, USEPA 2023.
   CAL: Primary MCL of 2,3,7,8-tetrachlorodibenzo-p-dioxin divided by Toxic Equivalency Factor (Van den Berg et al. 2006).

	Detected at a rate of 5% or less, fewer than 10 samples exceeded the GWSL, and the maximum concentration less than a factor of 20 above the GWSL.
	Detected at a rate of 5% or less with no applicable GWSL.
	No detections or maximum detected concentration is below groundwater screening level.
	Essential Nutrient, macronutrient or salt.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.

[2] USEPA. 2008. Interim Drinking Water Health Advisory for Perchlorate EPA 822-R-08-025. December.

[3] USEPA. 2009. Memorandum: Revised Assessment Guidance for Perchlorate. January 8.

[4] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.

[5] USEPA. National Primary Drinking Water Regulations. Code of Federal Regulations, 40 CFR Part 141.

[6] Van den Berg M et al. 2006. Review: The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences 93 (2): 223-241.

TABLE 7-4. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - PRIMARY COPCs
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results				
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Chromium (µg/L)	Total VOCs (µg/L)	Chloroform (µg/L)
									Criteria:	*0.015*	*1.0*	*100*	*na*	*70*
SHALLOW WATER-BEARING ZONE WELLS (0 - 90 ft bgs)														
H-28A	12/18/80	26721021.64	825871.29	1731.06	1732.94	28	45	Qal	Qal	**18**	<0.25	<13	1,800	<5.0
M-2A	08/01/83	26718769.87	827984.27	1780.34	1781.29	36	46	Qal	Qal	**230**	**2,300**	**8,600**	610	**590**
M-5A	08/01/95	26719961.19	826178.84	1749.26	1751.84	40	50	UMCf-fg1	UMCf-fg1	**20**	<0.25	<13	3,200	<10
M-5D	02/21/17	26720001.76	826166.57	1744.95	1747.53	60	70	UMCf-fg1	na (1)	<4.8	<0.20	<5.0	750	3.4
M-6A	12/01/86	26721013.81	825984.28	1731.24	1733.28	27	43	Qal/ UMCf-fg1	UMCf-fg1	**7.1**	**1.2**	<5.0	4.2	1.5
M-7B	12/02/98	26720979.77	826105.95	1730.64	1732.93	26	51	Qal/ UMCf-fg1	UMCf-fg1	**15**	**6.0**	<5.0	4.2	1.3
M-10	05/01/83	26716636.94	828536.01	1833.94	1835.10	43	63	UMCf-fg1	UMCf-fg1	**0.86**	**7.5**	31	23	23
M-11	05/01/83	26717608.73	828616.62	1813.70	1815.23	33	53	Qal/ UMCf-fg1	Qal	**18**	**200**	**930**	84	**84**
M-12A	09/01/95	26717575.57	828178.35	1812.87	1812.53	40	50	UMCf-fg1	UMCf-fg1	**140**	**1,600**	**5,600**	310	**310**
M-13	05/01/83	26717477.83	827805.79	1812.98	1812.02	28	48	Qal/ UMCf-fg1	UMCf-fg1	**8.6**	**220**	**130**	27	14
M-14A	12/07/04	26719382.55	827045.20	1758.50	1760.92	20	40	Qal/ UMCf-fg1	UMCf-fg1	**32**	**16**	42	150	**150**
M-14D	03/26/17	26719391.63	827043.47	1758.39	1760.67	70	80	UMCf-fg1	na (1)	**14**	**21**	45 J	110	**110**
M-19	08/01/83	26719350.00	828845.96	1764.51	1766.89	15	35	Qal/ UMCf-fg1	UMCf-fg1	**12**	**71**	**270**	120	**120**
M-21	08/01/83	26718359.25	827792.73	1790.59	1792.18	18	38	Qal/ UMCf-fg1	UMCf-fg1	---	---	---	---	---
M-21D	04/12/17	26718312.55	827818.90	1787.89	1789.79	40	55	UMCf-fg1	UMCf-fg1	**11**	**180**	**450**	31	25
M-22A	09/01/88	26719531.96	828269.84	1758.97	1759.46	16	36	Qal/ UMCf-fg1	UMCf-fg1	**890**	**4,300**	**19,000**	1,400	**1,400**
M-22D	02/11/17	26719521.24	828294.81	1756.90	1758.83	55	65	UMCf-fg1	na (1)	**140**	0.44	**1,400**	140	**140**
M-23	08/01/83	26721391.19	827373.84	1717.27	1720.56	9	37	Qal	Qal	**110**	**42**	**260**	720	**720**
M-25	05/01/84	26719504.15	827677.53	1756.86	1759.99	24	39	Qal/ UMCf-fg1	UMCf-fg1	**230**	**340**	**5,200**	270	**260**
M-29	07/12/84	26717598.00	828999.00	1816.60	1806.60	22	42	Qal/ UMCf-fg1	nm	---	---	---	---	---
M-31A	06/18/03	26718289.84	828368.03	1797.10	1796.73	35	55	Qal/ UMCf-fg1	UMCf-fg1	**320**	**490**	**1,700**	120	**120**
M-32	06/27/85	26718354.04	828592.45	1791.60	1795.56	30	45	Qal/ UMCf-fg1	UMCf-fg1	**0.11**	0.66	11	1.6	1.6
M-33	06/27/85	26718383.18	828783.71	1791.80	1795.67	30	45	Qal/ UMCf-fg1	UMCf-fg1	**78**	**150**	69	45	45
M-35	06/28/85	26718840.20	828509.10	1773.36	1772.85	25	40	Qal/ UMCf-fg1	Qal	**32**	**180**	**990**	140	**140**
M-36	06/26/85	26719556.63	828069.09	1756.89	1759.82	20	35	Qal/ UMCf-fg1	nm	---	---	---	---	---
M-36D	03/26/17	26719581.91	828052.50	1756.41	1758.65	55	65	UMCf-fg1	UMCf-fg1	**1,900**	**4,400**	**23,000 J**	1,000	**1,000**
M-37	06/28/85	26719422.28	827414.06	1757.98	1760.45	20	35	Qal/ UMCf-fg1	UMCf-fg1	**660**	**11**	<5.0	18	16
M-38	06/26/85	26719523.89	827877.68	1758.44	1759.76	20	35	Qal/ UMCf-fg1	UMCf-fg1	**490**	**3,100**	**13,000**	860	**840**
M-39R	12/19/18	26719533.15	828543.36	1757.02	1758.91	25	40	Qal/ UMCf-fg1	nm	**210**	**1,200**	**5,500**	---	---
M-52	08/03/85	26717985.41	828394.11	1799.30	1802.45	35	45	UMCf-fg1	UMCf-fg1	**420**	**610**	**1,400**	110	**110**
M-55	09/29/86	26719819.98	827682.57	1749.26	1751.01	15	45	Qal/ UMCf-fg1	Qal	---	---	---	370	**360**
M-57A	12/06/04	26719716.68	826993.09	1751.32	1753.28	20	40	Qal/ UMCf-fg1	UMCf-fg1	**14**	**16 J-**	59	690	**690**
M-58	09/30/86	26719900.79	828276.43	1748.95	1751.31	15	45	Qal/ UMCf-fg1	Qal	**1,100**	**3,000**	**15,000**	1,300	**1,300**
M-64	12/19/86	26719695.77	827599.59	1752.63	1752.37	13	38	Qal/ UMCf-fg1	UMCf-fg1	**460**	**1,000**	**4,300**	270	**260**
M-65	12/16/87	26719746.61	827899.49	1752.10	1754.01	14	39	Qal/ UMCf-fg1	UMCf-fg1	**810**	**3,400**	**16,000**	810	**810**
M-65D	02/12/17	26719756.15	827909.54	1752.30	1754.50	60	70	UMCf-fg1	na (1)	**490**	**1.5**	**3,200**	110	**110**
M-66	12/15/86	26719787.53	828183.35	1751.68	1754.03	18	43	Qal/ UMCf-fg1	Qal	**1,100**	**3,200**	**14,000**	850	**850**
M-66D	02/10/17	26719797.14	828165.83	1751.72	1754.00	60	70	UMCf-fg1	na (1)	**290**	**650**	**2,400**	170	**170**

TABLE 7-4. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - PRIMARY COPCs
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results				
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Chromium (µg/L)	Total VOCs (µg/L)	Chloroform (µg/L)
									Criteria:	*0.015*	*1.0*	*100*	*na*	*70*
M-67	12/12/86	26719830.00	828508.35	1744.05	1745.97	8	38	Qal/ UMCf-fg1	Qal	**270**	**1,400**	**7,600**	590	**590**
M-68	12/11/86	26719864.83	828750.88	1748.35	1750.37	11	40	Qal/ UMCf-fg1	Qal	**260**	**650**	**2,000**	340	**340**
M-69	12/17/86	26719885.82	827265.44	1747.99	1749.84	20	40	Qal/ UMCf-fg1	UMCf-fg1	**150**	**15**	44	55	47
M-70	12/16/86	26719904.68	827567.16	1746.82	1748.31	15	40	Qal/ UMCf-fg1	UMCf-fg1	**890**	**1,700**	**6,300**	290	**280**
M-71	12/16/86	26719943.70	827859.30	1744.94	1747.11	18	42	Qal/ UMCf-fg1	UMCf-fg1	**1,200**	**1,800**	**5,500**	220	**210**
M-72	12/16/86	26719977.31	828171.94	1745.01	1746.51	10	35	Qal/ UMCf-fg1	UMCf-fg1	**1,200**	**3,300**	**11,000**	740	**740**
M-72D	02/08/17	26719974.69	828139.65	1745.60	1747.79	60	70	UMCf-fg1	na (1)	**160**	**350**	**1,300 J**	93	**92**
M-73	12/15/86	26720018.50	828427.45	1743.62	1743.14	11	36	Qal/ UMCf-fg1	UMCf-fg1	**550**	**1,900**	**7,600**	690	**650**
M-74	12/11/86	26720062.52	828713.43	1742.41	1745.24	9	39	Qal/ UMCf-fg1	UMCf-fg1	**180**	**510**	**1,500**	240	**240**
M-75	08/20/87	26718702.91	827718.66	1782.14	1784.22	35	50	Qal/ UMCf-fg1	Qal	**51**	**610**	**1,900**	140	**140**
M-76	08/21/87	26718660.25	827550.42	1781.73	1785.23	35	50	Qal/ UMCf-fg1	Qal	**89**	**460**	**1,600**	70	54
M-77	08/20/87	26718046.10	828931.86	1798.20	1801.79	29	44	Qal/ UMCf-fg1	Qal	**180 J-**	**140**	**330**	23	23
M-79	08/21/87	26720049.07	827381.95	1743.29	1744.86	11	35	Qal/ UMCf-fg1	UMCf-fg1	**300**	0.027	82	58	52
M-80	08/26/87	26720113.16	827759.54	1744.01	1746.15	12	42	Qal/ UMCf-fg1	UMCf-fg1	**630**	**1,300 J**	**3,400**	240	**230**
M-81A	08/23/95	26720176.88	828139.54	1743.09	1742.49	30	40	Qal/ UMCf-fg1	UMCf-fg1	**510**	**620**	**1,700**	310	**300**
M-81D	03/07/17	26720184.91	828136.93	1743.04	1745.10	60	70	UMCf-fg1	na (1)	**450**	**880**	**2,700**	160	**160**
M-83	08/24/87	26720160.56	827584.72	1739.04	1742.22	11	40	Qal/ UMCf-fg1	Qal	**1,100**	**450**	**1,500**	180	**170**
M-83D	03/01/17	26720169.60	827574.15	1738.86	1741.03	60	70	UMCf-fg1	na (1)	**18**	**5.0**	35	0.66	0.66
M-92	01/04/89	26717532.14	827137.55	1798.28	1800.82	35	45	UMCf-fg1	UMCf-fg1	**2.1**	**16**	29	78	67
M-93	05/05/93	26717686.29	827143.16	1797.70	1797.56	35	45	UMCf-fg1	UMCf-fg1	**5.3**	**26**	43	66	55
M-97	04/08/97	26717795.28	827492.18	1798.56	1800.92	35	45	UMCf-fg1	UMCf-fg1	**170**	**200**	91	150	6.1
M-98	12/03/98	26720914.11	826873.01	1731.43	1731.94	19	29	Qal	nm (dry)	---	---	---	---	---
M-99	12/03/98	26720851.81	827309.23	1728.98	1730.81	16	31	Qal/ UMCf-fg1	nm (dry)	---	---	---	---	---
M-100	12/03/98	26720820.40	827659.68	1728.99	1730.99	19	29	Qal	nm (dry)	---	---	---	---	---
M-101	12/01/98	26720786.96	828060.54	1729.18	1730.87	17	27	Qal	nm (dry)	---	---	---	---	---
M-103	03/01/00	26715622.71	828727.97	1864.39	1866.87	70	90	UMCf-fg1	UMCf-fg1	**0.16**	0.43	7.7	0.34	0.34 J
M-115	12/07/04	26718612.95	827243.41	1781.12	1783.22	35	45	Qal/ UMCf-fg1	UMCf-fg1	**10**	**19**	34	52	46
M-120	03/08/06	26715163.04	828387.52	1875.86	1878.63	80	100	UMCf-cg1	UMCf-cg1	**0.17**	0.14	10	4.9	3.8
M-121	03/11/06	26715011.51	827694.20	1873.08	1875.65	77	97	UMCf-cg1	UMCf-cg1	**1.5**	**7.7**	41	1.2	1.2
M-123	06/28/08	26718415.73	826514.08	1782.50	1785.15	36	51	UMCf-fg1	UMCf-fg1	**0.12**	<0.10	4.6 J	67,000	**15,000**
M-124	06/28/08	26718225.15	827089.92	1785.30	1787.63	34	49	UMCf-fg1	UMCf-fg1	**0.85**	**19**	21	420	**410**
M-125	07/01/08	26718992.85	826529.55	1768.55	1771.41	35	50	UMCf-fg1	UMCf-fg1	**0.65**	<0.25	29	40,000	**16,000**
M-125D	02/25/17	26718988.25	826504.82	1767.60	1769.91	60	70	UMCf-fg1	na (1)	**0.17**	<1.0	<13	52,000	**25,000**
M-126	12/04/07	26719505.96	826569.21	1756.44	1759.12	20	40	Qal/ UMCf-fg1	UMCf-fg1	**0.80**	<0.050	13	30,000	**19,000**
M-128	06/27/08	26718500.44	827169.41	1781.35	1783.86	40	55	UMCf-fg1	UMCf-fg1	**4.8**	**15**	30	62	56
M-129	03/19/08	26720079.71	828806.21	1747.67	1747.40	20	40	Qal/ UMCf-fg1	UMCf-fg1	**110**	**350**	**1,100**	230	**220**
M-132	12/12/07	26720048.87	828714.34	1742.64	1744.60	80	90	UMCf-fg1	UMCf-fg1	**16**	**99**	**330**	50	50
M-133	12/13/07	26720067.45	828698.45	1741.41	1743.76	60	70	UMCf-fg1	UMCf-fg1	**51**	**220**	**1,100**	230	**230**
M-134	12/01/07	26719889.30	827144.11	1749.64	1752.22	60	70	UMCf-fg1	UMCf-fg1	**54**	**31**	**150**	160	**160**

TABLE 7-4. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - PRIMARY COPCs
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results				
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Chromium (µg/L)	Total VOCs (µg/L)	Chloroform (µg/L)
									Criteria:	*0.015*	*1.0*	*100*	*na*	*70*
M-135	11/30/07	26719890.23	827154.22	1749.38	1752.01	29	39	Qal/ UMCf-fg1	UMCf-fg1	**28**	**19**	55	190	**170**
M-136	11/29/07	26719889.88	827165.06	1749.26	1751.96	80	90	UMCf-fg1	na (1)	**59**	**14**	67	11	10
M-137	07/27/09	26716034.31	827665.77	1844.93	1847.73	52	72	UMCf-cg1	UMCf-cg1	**1.0**	**5.0**	42	3.3	0.74
M-138	07/28/09	26716058.52	827816.09	1843.81	1846.53	50	65	UMCf-cg1	UMCf-cg1	**0.74**	**12**	84	3.1	2.8
M-139	08/28/09	26717213.17	829044.40	1813.83	1813.26	45	60	UMCf-fg1	UMCf-fg1	**1.2**	**26**	**120**	2.2	2.2
M-140	06/08/10	26719888.37	827427.02	1745.82	1748.27	24	44	Qal/ UMCf-fg1	Qal	**930**	**250**	**1,200**	57	55
M-140D	02/09/17	26719900.33	827430.94	1744.67	1746.89	60	70	UMCf-fg1	na (1)	**280**	**110**	**240 J**	10	10
M-141	08/01/09	26718195.48	828465.38	1797.47	1796.88	40	50	Qal/ UMCf-fg1	UMCf-fg1	**250**	**840**	**3,900**	320	**320**
M-142	06/25/08	26718711.81	827189.62	1774.00	1773.71	30	45	UMCf-fg1	UMCf-fg1	**4.3**	**22**	35	73	69
M-144	09/08/09	26717026.09	827644.52	1813.26	1813.38	35	45	UMCf-fg1	UMCf-fg1	**7.0**	**2,500**	61	19	1.8
M-145	08/31/09	26717448.93	829203.80	1812.68	1812.42	45	60	UMCf-fg1	UMCf-fg1	**0.19**	0.53	6.2	All ND	<0.25
M-146	09/01/09	26716992.01	827774.94	1812.97	1812.55	40	50	UMCf-fg1	UMCf-fg1	**2.5**	**23**	92	4.6	2.0
M-147	08/20/09	26718858.23	828824.13	1775.06	1777.55	25	40	Qal/ UMCf-fg1	UMCf-fg1	**6.2**	**77**	**230**	32	31
M-148A	06/08/10	26718355.61	829028.31	1797.84	1800.10	40	50	Qal/ UMCf-fg1	Qal	**3.1**	**46**	**110**	6.0	5.7
M-159	05/22/10	26719822.97	826756.03	1752.78	1754.89	65	75	UMCf-fg1	na (1)	**5.1**	**8.9**	67	2,300	**2,300**
M-160	05/23/10	26719825.09	826766.94	1752.26	1754.69	40	50	UMCf-fg1	na (1)	**11**	**2.1**	27	4,400	**4,300**
M-163	05/20/10	26719937.88	827871.62	1745.62	1747.96	80	90	UMCf-fg1	na (1)	**1.8**	**1.9**	27	0.26	0.26 J
M-164	05/20/10	26719948.34	827868.37	1745.16	1747.66	60	70	UMCf-fg1	na (1)	**840**	**880 J**	**4,400**	200	**200**
M-182	06/04/10	26719587.42	828813.66	1759.42	1761.84	80	90	UMCf-fg1	na (1)	**13**	**380**	**1,200**	1,100	**1,100**
M-189	12/02/14	26717101.15	828371.68	1813.21	1812.71	35	50	UMCf-fg1	UMCf-fg1	**7.2**	**28**	48	1.4	1.4
M-190	12/05/14	26717162.21	828816.08	1813.45	1813.06	35	50	UMCf-fg1	UMCf-fg1	**10**	**120**	**420**	11	11
M-191	12/01/14	26717253.90	828087.37	1813.64	1813.11	35	50	UMCf-fg1	UMCf-fg1	**80**	**1,300**	**5,300**	65	64
M-192	12/03/14	26717297.61	828393.70	1813.19	1812.83	35	50	UMCf-fg1	UMCf-fg1	**47**	**110**	**180**	13	13
M-193	12/04/14	26717398.60	828805.62	1813.08	1812.69	35	50	UMCf-fg1	UMCf-fg1	**770**	**260**	**430**	13	13
M-201	02/27/17	26718487.14	826921.55	1782.21	1784.65	62	72	UMCf-fg1	na (1)	**1.7**	**1.1**	<13	32,000	**6,700**
M-202	02/26/17	26719081.31	826856.19	1765.32	1767.88	40	55	UMCf-fg1	UMCf-fg1	**5.7**	<0.050	6.0	10,000	**5,700**
M-203	03/14/17	26720488.82	826279.27	1728.39	1731.08	30	50	UMCf-fg1	UMCf-fg1	**21**	**2.4**	<5.0	50	6.1
M-205	05/10/17	26720961.49	826457.24	1731.95	1731.61	30	50	UMCf-fg1	UMCf-fg1	**590**	**100**	<5.0	5.7	2.3
M-206	05/18/17	26720918.32	826915.80	1731.10	1730.78	30	50	UMCf-fg1	UMCf-fg1	**12**	**12**	54	800	**790**
M-207	05/23/17	26720881.05	827341.58	1729.55	1729.23	25	45	UMCf-fg1	UMCf-fg1	**340**	**280**	**590**	450	**450**
M-208	05/22/17	26720850.39	827657.20	1729.32	1728.82	25	45	Qal/ UMCf-fg1	UMCf-fg1	**430**	**350**	**1,000**	280	**270**
M-209	05/21/17	26720849.46	827667.40	1729.24	1728.88	50	60	UMCf-fg1	na (1)	**560**	**240**	**470**	400	**400**
M-210	05/20/17	26720849.08	827677.41	1729.31	1728.90	70	80	UMCf-fg1	na (1)	**0.99**	0.37	15	2.3	2.3
M-211	05/18/17	26720816.38	828018.47	1730.47	1730.10	25	45	Qal/ UMCf-fg1	UMCf-fg1	**520**	**600**	**2,100**	160	**160**
M-212	05/17/17	26720814.73	828028.20	1730.54	1730.22	60	70	UMCf-fg1	na (1)	**70**	**66**	**170**	23	23
M-214	05/31/17	26720699.96	828348.83	1741.19	1740.77	30	50	UMCf-fg1	UMCf-fg1	**370**	**720**	**2,200**	150	**150**
M-215	03/28/17	26720356.28	827626.89	1732.11	1734.26	25	45	UMCf-fg1	UMCf-fg1	**510**	**410**	**1,200**	130	**120**
M-216	04/12/17	26720336.24	827874.36	1732.15	1734.18	25	45	UMCf-fg1	UMCf-fg1	**230**	**320**	**1,000**	160	**150**
M-217	04/07/17	26720334.99	827888.23	1732.11	1734.14	55	65	UMCf-fg1	na (1)	**190**	**130**	**460**	95	**94**

TABLE 7-4. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - PRIMARY COPCs
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results				
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Chromium (µg/L)	Total VOCs (µg/L)	Chloroform (µg/L)
									Criteria:	*0.015*	*1.0*	*100*	*na*	*70*
M-219	03/29/17	26720311.28	828200.57	1732.50	1734.45	25	45	UMCf-fg1	UMCf-fg1	**300**	**490**	**1,200**	330	**320**
M-220	03/28/17	26720372.16	828714.00	1747.34	1749.42	60	70	UMCf-fg1	na (1)	**0.97**	**3.8**	33	9.1	9.1
M-221	02/13/17	26719758.81	827921.37	1752.32	1754.35	75	85	UMCf-fg1	na (1)	**0.42**	0.40	25	All ND	<0.25
M-223	07/17/17	26718329.67	826881.59	1779.78	1782.39	40	55	UMCf-fg1	na (1)	**3.1**	<0.20	<5.0	8,600	**3,200**
M-224R	01/21/18	26718318.02	826889.38	1780.24	1782.08	60	80	UMCf-fg1	na (1)	**0.30**	<0.025	23 J	210,000	**15,000**
M-226	07/15/17	26718092.20	826918.76	1786.36	1785.92	40	55	UMCf-fg1	na (1)	**0.67**	0.20 J	21	12,000	**5,900**
M-227R	01/24/18	26718103.46	826926.18	1786.32	1785.83	60	80	UMCf-fg1	na (1)	**0.30**	<0.25	<13	38,000	**5,600**
M-229	06/05/17	26718914.25	827086.95	1757.45	1760.14	40	55	UMCf-fg1	na (1)	**4.0**	**14**	47	2,000	**2,000**
M-230	06/29/17	26718917.59	827096.04	1757.50	1759.95	70	90	UMCf-fg1	na (1)	**0.59**	**2.5**	19	220	**220**
M-234	06/30/17	26717762.10	826979.25	1794.51	1797.14	65	85	UMCf-fg1	na (1)	**0.17**	**3.1**	12	2,100	**2,000**
M-237	07/01/17	26717397.48	827336.81	1812.58	1815.00	45	60	UMCf-fg1	UMCf-fg1	**2.6**	**12**	45	47	1.9
M-239	07/25/17	26717451.14	827750.78	1813.46	1813.09	65	85	UMCf-fg1	na (1)	**14**	**190**	**660**	31	28
M-242	05/08/17	26720223.63	826141.84	1736.11	1738.65	38	53	UMCf-fg1	UMCf-fg1	**5.2**	<0.10	<5.0	940	1.5
M-243	05/08/17	26720225.17	826153.06	1736.02	1738.56	60	70	UMCf-fg1	na (1)	**52**	<0.20	<2.5	300	2.0
M-245	05/08/17	26720216.20	826443.78	1736.66	1739.21	35	50	UMCf-fg1	UMCf-fg1	**0.65**	<0.20	<2.5	180	25
M-246	05/06/17	26720216.81	826454.71	1736.63	1739.24	60	70	UMCf-fg1	na (1)	**6.1**	<0.20	<2.5	1,000	36 J-
M-247-60	10/09/17	26717052.79	828321.20	1813.78	1813.22	61	71	UMCf-fg1	na (1)	**0.61**	**5.6**	**130**	2.4	2.4
M-249-60	09/14/17	26717273.63	828067.25	1813.52	1813.17	60	70	UMCf-fg1	na (1)	**14**	**100**	**270**	23	23
M-251-60	09/19/17	26717336.49	828239.84	1808.94	1808.37	53	63	UMCf-fg1	na (1)	**31**	**280**	**1,100**	31	31
M-253-60	10/04/17	26717303.68	828432.15	1812.17	1811.45	61	71	UMCf-fg1	na (1)	**8.4**	**20**	57	9.2	8.2
M-255-60	10/16/17	26717580.62	828228.97	1812.79	1812.79	60	70	UMCf-fg1	na (1)	**90**	**540**	**2,300**	130	**130**
M-256-60	09/22/17	26717598.62	828399.99	1812.27	1811.80	60	70	UMCf-fg1	na (1)	**220**	**230**	**450**	38	38
M-259-60	09/26/17	26717677.28	828661.25	1812.81	1812.27	61	71	UMCf-fg1	na (1)	**16**	**180**	**1,300**	120	**120**
M-260	11/28/18	26720995.70	826068.43	1732.41	1732.04	65	75	UMCf-fg1	na (1)	0.0016 J	<0.0020	<2.5	2.3	1.7
M-261	11/29/18	26720962.44	826445.91	1731.97	1731.86	60	75	UMCf-fg1	na (1)	**160**	**6.1**	5.3	10	8.8
M-262	11/30/18	26720961.98	826451.33	1731.94	1731.77	80	90	UMCf-fg1	na (1)	**0.023**	<0.0020	2.8 J	All ND	<0.25
M-263	11/30/18	26720917.97	826925.32	1731.00	1730.71	60	70	UMCf-fg1	na (1)	**48**	**5.5**	27	420	**420**
M-264	12/03/18	26720917.35	826930.96	1730.95	1730.76	85	95	UMCf-fg1	na (1)	0.0094	<0.0020	19	1.6	1.6
M-265	12/04/18	26720880.76	827346.35	1729.51	1729.02	60	70	UMCf-fg1	na (1)	**12**	**6.5**	20	8.4	8.4
M-267	12/20/18	26720707.77	828348.44	1741.19	1740.75	80	95	UMCf-fg1	na (1)	**42**	**54**	**170**	10	10
M-269	01/25/19	26719342.53	827621.77	1761.02	1763.74	60	70	UMCf-fg1	na (1)	**950**	**2,100**	**6,000**	320	**310**
M-270	01/24/19	26719348.66	827620.00	1760.73	1763.58	90	100	UMCf-fg1	na (1)	**0.60**	**1.8**	27	0.48	0.48 J
MC-29	09/01/82	26721514.56	825566.39	NA	1723.40	38	50	Qal/ UMCf-fg1	Qal	<0.050	0.33	7.2	63,000	<50
MC-45	01/13/83	26722230.35	825400.42	NA	1710.98	30	34	Qal	Qal	<0.0050	<0.10	<2.5	88	2.0
MC-50	05/18/83	26722076.12	825534.54	1712.03	1713.28	24	49	Qal	Qal	**0.63**	0.050 UJ	<5	510	0.61
MC-51	05/18/83	26721899.90	825647.56	1714.93	1716.00	24	49	Qal/ UMCf-fg1	Qal	**0.16**	<0.050	<2.5	1,000	<1.3
MC-53	05/19/83	26721919.75	825942.19	1713.68	1715.32	20	40	Qal/ UMCf-fg1	Qal	**2.5**	**15**	9.0 J	7.4	1.3
MC-93	11/03/83	26721673.10	825948.58	1717.96	1719.32	32	42	Qal/ UMCf-fg1	Qal	**24**	**79**	60	16	8.8
MC-97	11/04/83	26721425.70	825838.31	1723.05	1723.95	31	41	Qal/ UMCf-fg1	Qal	0.015	0.23 J	5.8	8.8	<0.25

TABLE 7-4. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - PRIMARY COPCs
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results				
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Chromium (µg/L)	Total VOCs (µg/L)	Chloroform (µg/L)
									Criteria:	*0.015*	*1.0*	*100*	*na*	*70*
MW-16	12/05/07	26719904.81	826447.19	1752.25	1754.82	25	40	Qal/ UMCf-fg1	UMCf-fg1	**0.65**	<0.050	6.4 J	460	3.2
TR-6	09/24/99	26717608.59	826593.83	1797.74	1800.38	60	80	UMCf-cg1	UMCf-cg1	**0.40**	**22**	38 J	1,400	**1,400**
TR-8	09/30/99	26716512.21	826722.60	1826.74	1829.27	63	93	UMCf-cg1	UMCf-cg1	**0.045**	0.91	18	4.4	4.4
TR-10	10/01/99	26715739.98	827562.01	1851.79	1854.23	80	100	UMCf-cg1	UMCf-cg1	**2.4**	**21**	100	2.2	2.2
MIDDLE WATER-BEARING ZONE WELLS (~90 - 130 ft bgs)														
M-149	09/17/09	26718285.86	828373.07	1797.21	1796.96	100	120	UMCf-fg1	na (1)	**260**	**460**	**1,300**	38	38
M-150	09/17/09	26719569.89	828058.93	1756.45	1759.12	125	145	UMCf-fg1	na (1)	**0.021**	0.077 J	37	All ND	<0.25
M-151	09/24/09	26720826.91	827642.71	1728.39	1731.08	125	145	UMCf-fg1	na (1)	**0.037**	<0.025	35	All ND	<0.25
M-161	05/22/10	26719888.93	827132.17	1749.91	1752.51	100	110	UMCf-fg1	na (1)	0.0067	<0.025	24	All ND	<0.25
M-162	05/21/10	26719944.83	827876.08	1745.69	1747.87	100	110	UMCf-fg1	na (1)	**73**	**110**	35	All ND	<0.25
M-165	05/19/10	26720052.05	828699.53	1741.62	1743.89	110	120	UMCf-fg1	na (1)	0.015	0.026 J	33	All ND	<0.25
M-181	06/04/10	26719578.25	828814.45	1759.36	1761.74	105	115	UMCf-fg1	na (1)	0.00068 J	<0.0050	41	All ND	<0.25
M-186	06/02/10	26718354.57	829020.45	1798.00	1800.65	105	115	UMCf-fg1	na (1)	**480**	**2,300**	**9,100**	1,100	**1,100**
M-195	07/18/17	26717837.42	828628.33	1798.65	1798.28	95	110	UMCf-fg1	na (1)	**340**	**4,300**	**21,000**	1,500	**1,500**
M-196	06/21/17	26717993.21	828400.10	1799.29	1798.79	90	105	UMCf-fg1	na (1)	**2,100**	**2,800**	**9,000**	430	**430**
M-197	07/13/17	26718035.14	828948.18	1798.72	1798.26	100	115	UMCf-fg1	na (1)	**160**	**630**	**2,200**	230	**230**
M-198	06/19/17	26718193.69	828454.23	1797.49	1796.88	100	115	UMCf-fg1	na (1)	**130**	**690**	**450**	49	49
M-199	06/27/17	26718384.56	828562.90	1783.84	1786.02	90	105	UMCf-fg1	na (1)	**520**	**5,000**	**26,000**	4,000	**4,000**
M-200	06/06/17	26718880.05	828830.26	1772.83	1772.50	97	112	UMCf-fg1	na (1)	**250**	**660**	**3,100**	130	**130**
M-204	05/17/17	26720995.04	826060.48	1732.57	1732.06	100	110	UMCf-fg1	na (1)	0.0031 J	<0.10	28	All ND	<0.25
M-213	05/10/17	26720813.88	828038.26	1730.59	1730.29	100	110	UMCf-fg1	na (1)	**1.9 J+**	**1.1**	18	1.0	1.0
M-218	04/04/17	26720333.89	827902.51	1732.04	1734.13	100	110	UMCf-fg1	na (1)	0.0020 J	<0.010	27	All ND	<0.25
M-222	02/14/17	26719761.16	827932.21	1752.57	1754.80	100	110	UMCf-fg1	na (1)	0.0024 J	<0.010	18	All ND	<0.25
M-225R	01/19/18	26718318.23	826902.09	1780.29	1782.22	100	120	UMCf-fg1	na (1)	<0.00095	<0.025	17	230,000	**2,500**
M-228R	01/23/18	26718112.40	826924.83	1786.18	1785.78	96	116	UMCf-fg1	na (1)	0.0082	<0.025	3.9 J	210,000	**3,200**
M-231	06/04/17	26718922.06	827105.43	1757.48	1760.03	100	120	UMCf-fg1	na (1)	0.011	0.020	17	0.76	0.76
M-232	07/15/17	26718258.66	827400.86	1783.36	1786.07	100	120	UMCf-fg1	na (1)	**0.11**	0.22	14	1.6	1.6
M-233	07/24/17	26718454.52	827763.29	1779.40	1781.29	100	120	UMCf-fg1	na (1)	0.0089	0.11	33	0.68	0.68
M-235	07/15/17	26717567.87	827152.10	1797.53	1799.90	85	105	UMCf-fg1	na (1)	**0.27**	**1.6**	16	210	**200**
M-236	07/11/17	26717824.98	827361.64	1797.85	1797.94	85	105	UMCf-fg1	na (1)	**0.52**	**1.8**	18	49	48
M-238	07/14/17	26717394.02	827360.46	1813.08	1816.05	90	110	UMCf-fg1	na (1)	**1.1**	**3.7**	23	13	4.8
M-240	07/26/17	26717455.23	827769.53	1813.53	1813.07	95	115	UMCf-fg1	na (1)	**110**	**1,400**	**4,100**	110	**110**
M-244	05/06/17	26720226.18	826163.98	1736.13	1738.52	90	105	UMCf-fg1	na (1)	<0.00095	<0.10	18	4.4	3.0
M-247-100	10/09/17	26717052.88	828321.69	1813.78	1813.26	101	111	UMCf-fg1	na (1)	**3.8**	**13**	37	0.56	0.56
M-249-100	09/14/17	26717273.79	828067.02	1813.41	1813.14	100	110	UMCf-fg1	na (1)	**4,100**	**26,000**	**91,000**	4,400	**4,400**
M-251-100	09/19/17	26717336.63	828239.52	1808.92	1808.24	93	103	UMCf-fg1	na (1)	**4,600**	**32,000**	**97,000**	8,300	**8,300**
M-253-100	10/04/17	26717304.01	828432.16	1812.16	1811.56	101	111	UMCf-fg1	na (1)	**1,300**	**1,000**	**2,000**	69	69
M-255-100	10/16/17	26717580.83	828229.02	1812.77	1812.50	100	110	UMCf-fg1	na (1)	**350**	**2,100**	**5,700**	420	**420**
M-256-100	09/22/17	26717598.15	828400.16	1812.26	1811.84	100	110	UMCf-fg1	na (1)	**6,600**	**19,000**	**73,000**	5,300	**5,300**

TABLE 7-4. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - PRIMARY COPCs
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results				
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Chromium (µg/L)	Total VOCs (µg/L)	Chloroform (µg/L)
									Criteria:	*0.015*	*1.0*	*100*	*na*	*70*
M-259-100	09/26/17	26717677.14	828661.52	1812.82	1812.26	101	111	UMCf-fg1	na (1)	**57**	**300**	**720**	37	37
M-266	12/05/18	26720879.77	827355.08	1729.44	1729.06	90	100	UMCf-fg1	na (1)	**0.12**	0.029	7.9	0.56	0.56
M-268	12/11/18	26720705.02	828352.04	1741.26	1740.71	100	115	UMCf-fg1	na (1)	**1.8**	**7.2**	47	1.2	1.2
M-271	01/23/19	26719355.55	827618.80	1760.54	1763.43	125	135	UMCf-fg1	na (1)	**1.5**	**3.1**	21	1.2	1.2
TR-4	09/15/99	26718951.73	826342.03	1770.20	1772.65	125	145	UMCf-fg1	na (1)	0.00060 J	<0.0050	21	0.42	<0.25
MIDDLE WATER-BEARING ZONE WELLS (~130 - 300 ft bgs)														
M-117	03/01/06	26715198.67	828916.75	1878.12	1880.49	130	150	UMCf-fg1	na (1)	0.0013	<0.010	20 J	All ND	<0.25
M-118	03/01/06	26715068.38	828036.21	1874.46	1876.84	138	158	UMCf-fg1	na (1)	<0.00050	<0.025	20 J	All ND	<0.25
M-153	09/30/09	26718288.14	828385.56	1797.21	1796.98	150	170	UMCf-fg1	na (1)	0.011	0.018 J	30	0.43	0.43 J
M-154	10/01/09	26719568.47	828047.55	1756.51	1759.05	175	195	UMCf-fg1	na (1)	0.0010	**4.8**	28	All ND	<0.25
M-155	10/04/09	26720827.51	827635.53	1728.14	1727.66	200	220	UMCf-cg2	na (1)	0.00091 J	<0.0050	22	All ND	<0.25
M-161D	12/05/14	26719894.14	827237.32	1747.78	1750.36	130	140	UMCf-fg1	na (1)	0.0015	<0.0050	15	1.1	<0.25
M-162D	12/11/14	26719954.88	827774.06	1745.04	1747.44	130	140	UMCf-fg1	na (1)	0.0084	<0.0050	21	0.0047	<0.25
M-186D	12/10/14	26718347.71	829025.47	1798.16	1800.96	153	173	UMCf-fg1	na (1)	**0.64**	**2.1**	33	All ND	<0.25
M-241	12/06/16	26717579.81	828217.19	1812.88	1812.54	145	150	UMCf-fg1	na (1)	**0.020**	<0.010	13	0.62	<0.25
M-248	09/07/17	26717050.71	828311.09	1813.76	1813.50	140	150	UMCf-fg1	na (1)	0.0086	0.023	31	All ND	<0.25
M-250	09/12/17	26717283.83	828064.54	1813.21	1812.91	139	149	UMCf-fg1	na (1)	**1.3**	**14**	22	0.85	0.85
M-252	08/25/17	26717338.14	828248.52	1808.84	1808.28	132	142	UMCf-fg1	na (1)	**8.8 J**	**17**	41	2.3	2.3
M-254	08/30/17	26717293.50	828434.12	1812.25	1811.86	138	148	UMCf-fg1	na (1)	**0.81**	0.70 J-	32	All ND	<0.25
M-257	08/31/17	26717591.51	828401.51	1812.31	1811.97	140	150	UMCf-fg1	na (1)	**5.7**	**4.0**	42	10	10
M-258	08/22/17	26717678.18	828672.81	1812.86	1812.59	140	150	UMCf-fg1	na (1)	**1.1 J+**	0.94	39	All ND	<0.25
TR-1	09/03/99	26719957.93	826167.60	1749.56	1747.98	282	312	UMCf-cg2	na (1)	<0.00050	0.0050 UJ	**1,700 J**	All ND	<0.25
TR-2	09/09/99	26719954.86	826156.18	1749.48	1751.72	145	175	UMCf-fg1	na (1)	<0.00050	<0.0050	21	All ND	<0.25
TR-3	09/12/99	26718941.43	826342.42	1770.20	1769.21	220	250	UMCf-cg2	na (1)	0.00061 J	<0.0050	**1,800**	All ND	<0.25
TR-5	09/22/99	26717591.92	826595.32	1797.49	1796.45	221	251	UMCf-cg2	na (1)	<0.00050	<0.0050	**320**	All ND	<0.25
TR-7	09/27/99	26716525.88	826724.45	1826.71	1829.13	260	290	UMCf-cg2	na (1)	<0.00050	<0.025	16	All ND	<0.25
TR-9	10/07/99	26715753.16	827559.74	1851.85	1854.41	230	250	UMCf-cg2	na (1)	**0.13**	0.054	14	All ND	<0.25
TR-11	10/11/99	26721918.32	825422.22	1714.37	1713.54	210	230	UMCf-cg2	na (1)	0.00056 J	<0.0050	92	All ND	<0.25

Notes:

µg/L: micrograms per liter (parts per billion)

mg/L: milligrams per liter (parts per million)

GW table: Groundwater table

NA: not available

na (1): not applicable; deeper well screened below the water table.

nm: not measured

"---" means the analyte was not tested.

bold value: Concentrations above the screening criteria, or perchlorate concentrations between 1 and 1,000 mg/L.

bold value: Perchlorate concentrations below 1 mg/L and above the screening criterion.

Data Qualifiers:

J = Estimated value

J- = Estimated value, potential negative bias

J+ = Estimated value, potential positive bias

UJ = The analyte was not detected, and the detection limit is an estimated quantity.

TABLE 7-4. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - PRIMARY COPCs
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results				
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Chromium (µg/L)	Total VOCs (µg/L)	Chloroform (µg/L)
									Criteria:	*0.015*	*1.0*	*100*	*na*	*70*

bold value: Perchlorate concentrations above 1,000 mg/L.

1. If a field duplicate sample was taken on the date sampled, the higher of the two concentrations is shown in this table for each chemical.
2. While not considered a Primary COPC, results for Total VOCs are provided on this table to aid in interpretation of chloroform analytical results.
3. "Total VOCs" is the sum of all positive VOC detections using EPA Methods 8260B and 8260SIM. "Total VOCs" for which all results were non-detects are marked "All ND".

TABLE 7-5. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																	
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Chloro-form (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Methylene Chloride (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
					Criteria:	*na*	*5*	*5*	*100*	*600*	*80.7*	*75*	*0.0775*	*70*	*0.135*	*3.36*	*0.46*	*2.79*	*5*	*7*	*5*	*5*	*5*	*0.000835*
SHALLOW WATER-BEARING ZONE WELLS (0 - 90 ft bgs)																								
H-28A	28	45	Qal	Qal	05/14/18	1,800	**13**	<5.0	**1,700**	18	<5.0	26	<5.0	<5.0	<5.0	<8.0	<10	**24**	**16**	<5.0	<18	<5.0	**13**	<0.050
M-2A	36	46	Qal	Qal	05/17/18	610	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**590**	<1.0	<1.6	**1.9 J**	<1.0	<1.0	<1.0	<3.5	<1.0	**14**	**0.081**
M-5A	40	50	UMCf-fg1	UMCf-fg1	05/14/18	3,200	**22**	<10	**3,000**	37	<10	49	<10	<10	<10	<16	<25	**33**	**28**	<10	<35	<10	**15 J**	<0.13
M-5D	60	70	UMCf-fg1	na (1)	10/20/17	750	**190**	<0.50	**510**	<0.50	<0.50	<0.50	<0.50	3.4	<0.50	<0.80	<0.50	**23**	**25**	<0.50	<1.8	<0.50	<0.50	**0.0075**
M-6A	27	43	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	4.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.5	<0.25	<0.40	<0.50	1.8	0.55	<0.25	<0.88	0.37 J	<0.25	**0.0077**
M-7B	26	51	Qal/ UMCf-fg1	UMCf-fg1	05/11/18	4.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.3	<0.25	<0.40	<0.50	1.9	1.0	<0.25	<0.88	<0.25	<0.25	**0.012**
M-10	43	63	UMCf-fg1	UMCf-fg1	05/17/18	23	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	23	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.051**
M-11	33	53	Qal/ UMCf-fg1	Qal	05/17/18	84	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**84**	<0.50	<0.80	<0.50	<0.50	<0.50	<0.50	<1.8	<0.50	<0.50	**0.0094**
M-12A	40	50	UMCf-fg1	UMCf-fg1	05/17/18	310	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	**310**	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<4.4	<1.3	<1.3	**0.014**
M-13	28	48	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	27	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	14	<0.25	<0.40	**6.3**	0.55	<0.25	<0.25	<0.88	<0.25	**6.4**	**0.017**
M-14A	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	150	<0.63	1.1 J	<0.63	<0.63	<0.63	<0.63	<0.63	**150**	<0.63	<1.0	<0.50	<0.63	<0.63	<0.63	<2.2	<0.63	1.2 J	**0.13**
M-14D	70	80	UMCf-fg1	na (1)	10/18/17	110	<0.25	0.68	<0.25	<0.25	<0.25	<0.25	<0.25	**110**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	0.69	**0.40**
M-19	15	35	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	120	<0.25	0.48 J	<0.25	<0.25	<0.25	<0.25	<0.25	**120**	**0.25 J**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.51	<0.25	**0.028**
M-21	18	38	Qal/ UMCf-fg1	UMCf-fg1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-21D	40	55	UMCf-fg1	UMCf-fg1	11/01/17	31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	25	**0.36 J**	<0.40	**1.3 J**	<0.25	<0.25	0.61	<0.88	<0.25	3.3	**0.062**
M-22A	16	36	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	1,400	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**1,400**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	**0.13**
M-22D	55	65	UMCf-fg1	na (1)	10/17/17	140	<0.25	0.71	<0.25	<0.25	<0.25	<0.25	<0.25	**140**	**0.87**	<0.40	<0.50	<0.25	0.33 J	<0.25	<0.88	<0.25	<0.25	**0.16**
M-23	9	37	Qal	Qal	05/11/18	720	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**720**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	**0.30**
M-25	24	39	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	270	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**260**	<1.0	<1.6	**2.6**	<1.0	<1.0	<1.0	<3.5	<1.0	4.8	**0.13**
M-29	22	42	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-31A	35	55	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	120	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**120**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.018**
M-32	30	45	Qal/ UMCf-fg1	UMCf-fg1	05/17/18	1.6	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.6	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-33	30	45	Qal/ UMCf-fg1	UMCf-fg1	05/17/18	45	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	45	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.014**
M-35	25	40	Qal/ UMCf-fg1	Qal	05/16/18	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**140**	<0.50	<0.80	<0.50	<0.50	<0.50	<0.50	<1.8	<0.50	<0.50	**0.018**
M-36	20	35	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-36D	55	65	UMCf-fg1	UMCf-fg1	10/18/17	1,000	<0.63	<0.63	<0.63	2.6	<0.63	0.63 J	<0.63	**1,000**	**1.3**	2.7	<0.50	<0.63	<0.63	<0.63	<2.2	<0.63	1.2 J	**0.28**
M-37	20	35	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	18	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	16	<0.25	<0.40	**0.90 J**	<0.25	<0.25	0.87	<0.88	<0.25	0.31 J	**0.17**
M-38	20	35	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	860	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**840**	<2.5	<4.0	**1.4 J**	<2.5	<2.5	<2.5	**15 J**	<2.5	**6.3**	**0.085**
M-39R	25	40	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-52	35	45	UMCf-fg1	UMCf-fg1	05/16/18	110	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**110**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	0.96 J	<0.25	<0.25	**0.019**
M-55	15	45	Qal/ UMCf-fg1	Qal	11/07/17	370	<0.25	0.64	<0.25	0.54	<0.25	0.46 J	<0.25	**360**	**0.30 J**	1.5	**2.5**	<0.25	<0.25	<0.25	<0.88	0.33 J	**6.5**	**0.14**
M-57A	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/11/18	690	<2.5	3.5 J	<2.5	<2.5	<2.5	<2.5	<2.5	**690**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	**0.21**
M-58	15	45	Qal/ UMCf-fg1	Qal	11/08/17	1,300	<0.63	0.71 J	<0.63	<0.63	<0.63	<0.63	<0.63	**1,300**	<0.63	<1.0	<0.50	<0.63	<0.63	<0.63	<2.2	<0.63	0.73 J	**0.11**
M-64	13	38	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	270	<1.0	<1.0	<1.0	1.1 J	<1.0	<1.0	<1.0	**260**	<1.0	<1.6	**1.4 J**	<1.0	<1.0	<1.0	**6.6 J**	<1.0	2.5	**0.15**
M-65	14	39	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	810	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**810**	<2.5	<4.0	**0.53 J**	<2.5	<2.5	<2.5	<8.8	<2.5	3.2 J	**0.11**
M-65D	60	70	UMCf-fg1	na (1)	10/17/17	110	<0.25	0.32 J	<0.25	<0.25	<0.25	<0.25	<0.25	**110**	**0.35 J**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.12**
M-66	18	43	Qal/ UMCf-fg1	Qal	05/15/18	850	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	**850**	<0.63	1.4 J	<2.0	<0.63	<0.63	<0.63	<2.2	<0.63	1.1 J	**0.10**
M-66D	60	70	UMCf-fg1	na (1)	10/16/17	170	<0.25	0.60	<0.25	<0.25	<0.25	<0.25	<0.25	**170**	**1.0**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	0.31 J	**0.11**
M-67	8	38	Qal/ UMCf-fg1	Qal	05/16/18	590	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**590**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	**0.049**
M-68	11	40	Qal/ UMCf-fg1	Qal	05/15/18	340	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	**340**	<1.3	<2.0	**0.54 J**	<1.3	<1.3	<1.3	<4.4	<1.3	<1.3	**0.061**
M-69	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	55	<0.25	<0.25	<0.25	3.6	0.43 J	0.98	<0.25	47	<0.25	<0.40	**0.67 J**	<0.25	<0.25	<0.25	<0.88	0.43 J	1.1	**0.32**

TABLE 7-5. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																	
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Chloro-form (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Methylene Chloride (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
					Criteria:	*na*	*5*	*5*	*100*	*600*	*80.7*	*75*	*0.0775*	*70*	*0.135*	*3.36*	*0.46*	*2.79*	*5*	*7*	*5*	*5*	*5*	*0.000835*
M-70	15	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	290	<0.50	3.4	<0.50	1.3	0.92 J	1.1	<0.50	**280**	<0.50	1.9 J	<0.50	<0.50	<0.50	<0.50	<1.8	<0.50	0.63 J	**0.12**
M-71	18	42	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	220	<0.63	0.81 J	<0.63	0.81 J	<0.63	<0.63	<0.63	**210**	<0.63	<1.0	**1.1 J**	<0.63	<0.63	<0.63	<2.2	<0.63	2.3	**0.10**
M-72	10	35	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	740	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**740**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	**0.13**
M-72D	60	70	UMCf-fg1	na (1)	10/18/17	93	<0.25	0.36 J	<0.25	<0.25	<0.25	<0.25	<0.25	**92**	**0.41 J**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.052**
M-73	11	36	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	690	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**650**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	**0.053**
M-74	9	39	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	240	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**240**	<1.0	<1.6	**0.53 J**	<1.0	<1.0	<1.0	<3.5	<1.0	<1.0	**0.058**
M-75	35	50	Qal/ UMCf-fg1	Qal	05/16/18	140	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**140**	<0.25	<0.40	**1.0 J**	<0.25	<0.25	2.7	<0.88	0.34 J	0.56	**0.091**
M-76	35	50	Qal/ UMCf-fg1	Qal	05/16/18	70	<0.25	0.26 J	<0.25	<0.25	<0.25	<0.25	<0.25	54	<0.25	<0.40	**0.56 J**	<0.25	<0.25	**14**	<0.88	<0.25	1.4	**0.17**
M-77	29	44	Qal/ UMCf-fg1	Qal	05/12/17	23	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	23	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.013**
M-79	11	35	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	58	<0.25	<0.25	<0.25	3.6	0.35 J	1.0	<0.25	52	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.41 J	<0.25	**0.34**
M-80	12	42	Qal/ UMCf-fg1	UMCf-fg1	05/15/18	240	<0.63	3.2	<0.63	0.63 J	<0.63	<0.63	<0.63	**230**	<0.63	2.3 J	<0.50	<0.63	<0.63	<0.63	<2.2	<0.63	<0.63	**0.067**
M-81A	30	40	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	310	<1.3	3.1	<1.3	1.4 J	2.2 J	<1.3	<1.3	**300**	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<4.4	3.0	<1.3	**0.12**
M-81D	60	70	UMCf-fg1	na (1)	10/23/17	160	<0.25	<0.25	1.3	<0.25	<0.25	<0.25	<0.25	**160**	**0.43 J**	0.44 J	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.043**
M-83	11	40	Qal/ UMCf-fg1	Qal	05/16/18	180	<0.63	3.6	<0.63	1.0 J	0.77 J	0.84 J	<0.63	**170**	<0.63	1.8 J	<0.50	<0.63	<0.63	<0.63	2.2 J	<0.63	<0.63	**0.16**
M-83D	60	70	UMCf-fg1	na (1)	11/02/17	0.66	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.66	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-92	35	45	UMCf-fg1	UMCf-fg1	05/15/18	78	<0.25	0.81	<0.25	<0.25	<0.25	<0.25	<0.25	67	<0.25	<0.40	**0.89 J**	<0.25	<0.25	1.9	<0.88	<0.25	**7.6**	**0.089**
M-93	35	45	UMCf-fg1	UMCf-fg1	05/15/18	66	<0.25	0.53	<0.25	<0.25	<0.25	<0.25	<0.25	55	<0.25	<0.40	**2.1**	<0.25	<0.25	2.7	<0.88	<0.25	**5.3**	**0.44**
M-97	35	45	UMCf-fg1	UMCf-fg1	05/30/18	150	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	6.1	**0.27 J**	<0.40	**6.3**	0.34 J	<0.25	**110**	<0.88	<0.25	**23**	**0.17**
M-98	19	29	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-99	16	31	Qal/ UMCf-fg1	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-100	19	29	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-101	17	27	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M-103	70	90	UMCf-fg1	UMCf-fg1	05/11/17	0.34	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.34 J	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-115	35	45	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	52	<0.25	0.50	<0.25	<0.25	<0.25	<0.25	<0.25	46	<0.25	<0.40	**0.75 J**	<0.25	<0.25	1.8	<0.88	<0.25	2.9	**0.31**
M-120	80	100	UMCf-cg1	UMCf-cg1	05/16/18	4.9	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	3.8	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	1.1 J	<0.25	<0.25	<0.0025
M-121	77	97	UMCf-cg1	UMCf-cg1	05/16/18	1.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-123	36	51	UMCf-fg1	UMCf-fg1	05/16/18	67,000	**17,000**	**530**	**31,000**	**1,200**	<100	**2,100**	<100	**15,000**	<100	<160	<50	<100	<100	<100	<350	<100	<100	<0.25
M-124	34	49	UMCf-fg1	UMCf-fg1	05/16/18	420	<1.0	**6.7**	<1.0	<1.0	<1.0	<1.0	<1.0	**410**	<1.0	<1.6	<1.0	<1.0	<1.0	<1.0	3.8 J	<1.0	3.5	<0.0050
M-125	35	50	UMCf-fg1	UMCf-fg1	05/14/18	40,000	**4,900**	**52 J**	**19,000**	<50	<50	<50	<50	**16,000**	<50	<80	<25	<50	<50	<50	**390 J**	<50	<50	<0.13
M-125D	60	70	UMCf-fg1	na (1)	10/20/17	52,000	**11,000**	**71**	**16,000**	<25	<25	<25	<25	**25,000**	<25	<40	**1.2 J-**	<25	<25	<25	<88	<25	<25	**0.0060 J-**
M-126	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	30,000	**4,300**	<50	**5,200**	540	**95 J**	**760**	**54 J**	**19,000**	<50	<80	<25	<50	<50	<50	<180	<50	<50	<0.13
M-128	40	55	UMCf-fg1	UMCf-fg1	01/30/15	62	<0.25	0.89	<0.25	<0.25	<0.25	<0.25	<0.25	56	<0.25	<0.40	**0.51 J**	<0.25	<0.25	1.3	<0.88	<0.25	2.7	**0.28**
M-129	20	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	230	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	**220**	<0.63	<1.0	**0.56 J**	<0.63	<0.63	<0.63	4.2 J	0.80 J	<0.63	**0.056**
M-132	80	90	UMCf-fg1	UMCf-fg1	05/16/18	50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	50	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0051**
M-133	60	70	UMCf-fg1	UMCf-fg1	05/16/18	230	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	**230**	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<4.4	<1.3	<1.3	**0.030**
M-134	60	70	UMCf-fg1	UMCf-fg1	05/14/18	160	<0.25	0.71	<0.25	<0.25	<0.25	<0.25	<0.25	**160**	<0.25	<0.40	**0.59 J**	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.044**
M-135	29	39	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	190	**5.5**	0.77 J	10	<0.50	<0.50	<0.50	<0.50	**170**	<0.50	<0.80	<0.50	<0.50	<0.50	<0.50	3.4 J	<0.50	<0.50	**0.32**
M-136	80	90	UMCf-fg1	na (1)	05/14/18	11	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	10	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	1.1 J	<0.25	<0.25	<0.0025
M-137	52	72	UMCf-cg1	UMCf-cg1	05/16/18	3.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.74	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	2.6	<0.0025
M-138	50	65	UMCf-cg1	UMCf-cg1	05/17/18	3.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.8	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.32 J	<0.25	<0.0025
M-139	45	60	UMCf-fg1	UMCf-fg1	05/17/18	2.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-140	24	44	Qal/ UMCf-fg1	Qal	05/17/18	57	<0.25	<0.25	<0.25	0.99	<0.25	0.55	<0.25	55	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.17**

TABLE 7-5. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																	
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Chloro-form (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Methylene Chloride (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
					Criteria:	*na*	*5*	*5*	*100*	*600*	*80.7*	*75*	*0.0775*	*70*	*0.135*	*3.36*	*0.46*	*2.79*	*5*	*7*	*5*	*5*	*5*	*0.000835*
M-140D	60	70	UMCf-fg1	na (1)	10/18/17	10	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	10	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0058**
M-141	40	50	Qal/ UMCf-fg1	UMCf-fg1	05/17/18	320	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	**320**	<0.63	<1.0	**0.58 J**	<0.63	<0.63	<0.63	<2.2	<0.63	<0.63	**0.022**
M-142	30	45	UMCf-fg1	UMCf-fg1	05/16/18	73	<0.25	0.67	<0.25	<0.25	<0.25	<0.25	<0.25	69	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	2.7	**0.19**
M-144	35	45	UMCf-fg1	UMCf-fg1	05/16/18	19	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.8	<0.25	<0.40	**2.8**	<0.25	<0.25	**12**	<0.88	<0.25	2.3	<0.0025
M-145	45	60	UMCf-fg1	UMCf-fg1	05/17/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-146	40	50	UMCf-fg1	UMCf-fg1	01/30/15	4.6	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.0	<0.25	<0.40	<0.50	<0.25	<0.25	0.53	<0.88	<0.25	1.7	<0.0025
M-147	25	40	Qal/ UMCf-fg1	UMCf-fg1	05/16/18	32	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	31	<0.25	<0.40	**0.51 J**	<0.25	<0.25	<0.25	<0.88	0.57	<0.25	**0.018**
M-148A	40	50	Qal/ UMCf-fg1	Qal	05/17/18	6.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	5.7	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.26 J	<0.25	**0.0039 J**
M-159	65	75	UMCf-fg1	na (1)	03/12/19	2,300	<2.5	**20**	<2.5	<2.5	<2.5	<2.5	<2.5	**2,300**	<2.5	<4.0	<13	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	<0.063
M-160	40	50	UMCf-fg1	na (1)	03/12/19	4,400	<5.0	**67**	<5.0	<5.0	<5.0	<5.0	<5.0	**4,300**	<5.0	<8.0	<13	<5.0	<5.0	<5.0	<18	<5.0	<5.0	<0.063
M-163	80	90	UMCf-fg1	na (1)	05/15/18	0.26	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.26 J	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-164	60	70	UMCf-fg1	na (1)	05/15/18	200	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	**200**	<0.63	<1.0	<0.50	<0.63	<0.63	<0.63	<2.2	<0.63	2.3	**0.070**
M-182	80	90	UMCf-fg1	na (1)	05/15/18	1,100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**1,100**	<5.0	<8.0	<0.50	<5.0	<5.0	<5.0	<18	<5.0	<5.0	**0.10**
M-189	35	50	UMCf-fg1	UMCf-fg1	05/16/18	1.4	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.4	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-190	35	50	UMCf-fg1	UMCf-fg1	05/17/18	11	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	11	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0076**
M-191	35	50	UMCf-fg1	UMCf-fg1	05/17/18	65	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	64	**0.31 J**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.40 J	<0.25	<0.0025
M-192	35	50	UMCf-fg1	UMCf-fg1	05/17/18	13	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	13	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0028 J**
M-193	35	50	UMCf-fg1	UMCf-fg1	05/16/18	13	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	13	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0087**
M-201	62	72	UMCf-fg1	na (1)	10/19/17	32,000	**3,700**	**370**	**20,000**	430	23 J	**730**	<13	**6,700**	<13	<20	<0.50	<13	<13	<13	<44	<13	<13	**0.012**
M-202	40	55	UMCf-fg1	UMCf-fg1	10/20/17	10,000	**420**	**170**	**3,700**	16	<5.0	22	<5.0	**5,700**	<5.0	<8.0	<0.50	<5.0	<5.0	<5.0	<18	<5.0	<5.0	**0.0083**
M-203	30	50	UMCf-fg1	UMCf-fg1	10/20/17	50	**5.7**	<0.25	36	<0.25	<0.25	0.49 J	<0.25	6.1	<0.25	<0.40	<0.50	1.3	0.86	<0.25	<0.88	<0.25	<0.25	**0.0051**
M-205	30	50	UMCf-fg1	UMCf-fg1	11/03/17	5.7	<0.25	<0.25	<0.25	<0.25	<0.25	0.39 J	<0.25	2.3	<0.25	<0.40	**0.50 J**	1.3	1.2	<0.25	<0.88	<0.25	<0.25	**0.019**
M-206	30	50	UMCf-fg1	UMCf-fg1	11/03/17	800	<0.50	**9.8**	<0.50	<0.50	<0.50	<0.50	<0.50	**790**	<0.50	<0.80	**1.1 J**	<0.50	<0.50	<0.50	<1.8	0.56 J	0.52 J	**0.16**
M-207	25	45	UMCf-fg1	UMCf-fg1	09/07/17	450	<0.25	2.7	<0.25	<0.25	<0.25	<0.25	<0.25	**450**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	0.33 J	**0.20**
M-208	25	45	Qal/ UMCf-fg1	UMCf-fg1	11/06/17	280	<0.25	**6.4**	<0.25	0.77	0.89	0.49 J	<0.25	**270**	**0.27 J**	0.67 J	<0.50	<0.25	<0.25	<0.25	<0.88	0.35 J	0.26 J	**0.091**
M-209	50	60	UMCf-fg1	na (1)	11/06/17	400	<0.25	4.2	<0.25	<0.25	<0.25	<0.25	<0.25	**400**	**0.43 J**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.069**
M-210	70	80	UMCf-fg1	na (1)	11/06/17	2.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.3	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-211	25	45	Qal/ UMCf-fg1	UMCf-fg1	11/06/17	160	<0.25	2.5	<0.25	<0.25	0.30 J	<0.25	<0.25	**160**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.67	<0.25	**0.086**
M-212	60	70	UMCf-fg1	na (1)	11/06/17	23	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	23	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0062**
M-214	30	50	UMCf-fg1	UMCf-fg1	11/03/17	150	<0.25	1.0	<0.25	<0.25	<0.25	<0.25	<0.25	**150**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.056**
M-215	25	45	UMCf-fg1	UMCf-fg1	10/23/17	130	<0.25	1.9	0.68	0.74	0.56	0.60	<0.25	**120**	**0.32 J**	0.69 J	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.037**
M-216	25	45	UMCf-fg1	UMCf-fg1	11/02/17	160	<0.25	3.9	<0.25	1.3	1.1	0.56	<0.25	**150**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.57	0.39 J	**0.061**
M-217	55	65	UMCf-fg1	na (1)	11/02/17	95	<0.25	0.31 J	<0.25	<0.25	<0.25	<0.25	<0.25	**94**	**0.66**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.049**
M-219	25	45	UMCf-fg1	UMCf-fg1	10/23/17	330	<0.25	**5.1**	0.87	<0.25	<0.25	<0.25	<0.25	**320**	**0.31 J**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	0.32 J	<0.25	**0.069**
M-220	60	70	UMCf-fg1	na (1)	11/02/17	9.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	9.1	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-221	75	85	UMCf-fg1	na (1)	10/17/17	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-223	40	55	UMCf-fg1	na (1)	11/07/17	8,600	**630**	**110**	**3,900**	260	11	**420**	<2.5	**3,200**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	**19 J**	3.2 J	<2.5	<0.0025
M-224R	60	80	UMCf-fg1	na (1)	04/13/18	210,000	**16,000**	**950**	**170,000**	**3,300**	**160 J**	**6,600**	<130	**15,000**	<130	<200	<10	<130	<130	<130	<440	<130	<130	<0.25
M-226	40	55	UMCf-fg1	na (1)	10/23/17	12,000	**660**	**150**	**5,400**	63	<5.0	**170**	<5.0	**5,900**	<5.0	<8.0	<0.50	<5.0	<5.0	<5.0	<18	<5.0	<5.0	**0.0045 J**
M-227R	60	80	UMCf-fg1	na (1)	04/13/18	38,000	**4,800**	**320**	**26,000**	410	20 J	**800**	<13	**5,600**	<13	<20	<25	<13	<13	<13	<44	<13	<13	<0.13
M-229	40	55	UMCf-fg1	na (1)	11/07/17	2,000	<2.5	**16**	<2.5	<2.5	<2.5	<2.5	<2.5	**2,000**	<2.5	<4.0	<0.50	<2.5	<2.5	<2.5	**13 J**	<2.5	<2.5	**0.10**
M-230	70	90	UMCf-fg1	na (1)	11/07/17	220	<0.25	0.33 J	<0.25	<0.25	<0.25	<0.25	<0.25	**220**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	1.3 J	<0.25	<0.25	**0.011**

TABLE 7-5. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																	
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Chloro-form (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Methylene Chloride (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
					Criteria:	*na*	*5*	*5*	*100*	*600*	*80.7*	*75*	*0.0775*	*70*	*0.135*	*3.36*	*0.46*	*2.79*	*5*	*7*	*5*	*5*	*5*	*0.000835*
M-234	65	85	UMCf-fg1	na (1)	11/06/17	2,100	<1.3	**56**	<1.3	<1.3	<1.3	<1.3	<1.3	**2,000**	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<4.4	<1.3	<1.3	**0.0052**
M-237	45	60	UMCf-fg1	UMCf-fg1	11/06/17	47	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.9	<0.25	<0.40	**3.6**	0.64	<0.25	**17**	<0.88	<0.25	**24**	<0.0025
M-239	65	85	UMCf-fg1	na (1)	11/01/17	31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	28	<0.25	<0.40	**0.89 J**	<0.25	<0.25	<0.25	<0.88	<0.25	1.9	**0.0052**
M-242	38	53	UMCf-fg1	UMCf-fg1	10/27/17	940	**32**	<0.25	**860**	15	0.41 J	10	<0.25	1.5	<0.25	<0.40	**0.85 J**	**9.2**	**6.4**	<0.25	<0.88	<0.25	0.57	**0.0046 J**
M-243	60	70	UMCf-fg1	na (1)	10/27/17	300	**82**	<0.25	**190**	<0.25	<0.25	<0.25	<0.25	2.0	<0.25	<0.40	0.50 UJ	**13**	**13**	<0.25	<0.88	<0.25	<0.25	0.0025 UJ
M-245	35	50	UMCf-fg1	UMCf-fg1	10/27/17	180	**80**	<0.25	68	0.64	<0.25	0.76	<0.25	25	<0.25	<0.40	<0.50	0.91	0.69	<0.25	1.7 J	<0.25	<0.25	**0.0051**
M-246	60	70	UMCf-fg1	na (1)	10/27/17	1,000	**540**	<0.25	**420**	<0.25	<0.25	<0.25	<0.25	36 J-	<0.25	<0.40	<0.50	1.7	1.1	<0.25	<0.88	<0.25	<0.25	<0.0025
M-247-60	61	71	UMCf-fg1	na (1)	11/03/17	2.4	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	2.4	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0031 J**
M-249-60	60	70	UMCf-fg1	na (1)	11/13/17	23	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	23	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-251-60	53	63	UMCf-fg1	na (1)	04/18/22	14	0.132 J	<0.128	<0.116	<0.107	<0.110	<0.120	<0.133	13.5	<0.136	<0.129	---	<0.100	<0.0819	<0.188	<0.430	<0.300	<0.190	<0.237
M-253-60	61	71	UMCf-fg1	na (1)	11/07/17	9.2	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	8.2	---	---	<0.50	---	<0.25	<0.25	1.0 J	<0.25	<0.25	**0.0053**
M-255-60	60	70	UMCf-fg1	na (1)	11/09/17	130	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	**130**	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.012**
M-256-60	60	70	UMCf-fg1	na (1)	11/07/17	38	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	38	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.010**
M-259-60	61	71	UMCf-fg1	na (1)	11/13/17	120	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	**120**	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.017**
M-260	65	75	UMCf-fg1	na (1)	03/13/19	2.3	0.64	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.7	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-261	60	75	UMCf-fg1	na (1)	03/13/19	10	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	8.8	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	1.5 J	<0.25	<0.25	<0.0025
M-262	80	90	UMCf-fg1	na (1)	03/14/19	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-263	60	70	UMCf-fg1	na (1)	03/14/19	420	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	**420**	<0.50	<0.80	**1.0 J**	<0.50	<0.50	<0.50	<1.8	<0.50	<0.50	**0.078**
M-264	85	95	UMCf-fg1	na (1)	03/14/19	1.6	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.6	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-265	60	70	UMCf-fg1	na (1)	03/15/19	8.4	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	8.4	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-267	80	95	UMCf-fg1	na (1)	03/14/19	10	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	10	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0042 J**
M-269	60	70	UMCf-fg1	na (1)	03/11/19	320	<0.25	0.27 J	<0.25	<0.25	<0.25	<0.25	<0.25	**310**	**2.2**	**7.4**	<1.0	<0.25	<0.25	<0.25	<0.88	<0.25	0.81	**0.12**
M-270	90	100	UMCf-fg1	na (1)	03/12/19	0.48	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.48 J	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
MC-29	38	50	Qal/ UMCf-fg1	Qal	03/13/19	63,000	**32,000**	<50	**29,000**	**670**	<50	**1,100**	<50	<50	<50	<80	<100	**60 J**	<50	<50	<180	<50	<50	<0.50
MC-45	30	34	Qal	Qal	01/27/15	88	**25**	<0.25	39	4.5	0.36 J	6.6	<0.25	2.0	<0.25	<0.40	**3.3**	1.0	<0.25	<0.25	<0.88	<0.25	0.30 J	<0.0025
MC-50	24	49	Qal	Qal	05/14/18	510	2.5	<0.25	**480**	4.0	0.57	5.9	<0.25	0.61	<0.25	<0.40	**3.5**	0.81	<0.25	<0.25	1.1 J	<0.25	0.75	<0.0025
MC-51	24	49	Qal/ UMCf-fg1	Qal	05/11/18	1,000	**370**	<1.3	**590**	25	1.7 J	41	<1.3	<1.3	<1.3	<2.0	<10	2.4 J	<1.3	<1.3	<4.4	<1.3	1.5 J	<0.050
MC-53	20	40	Qal/ UMCf-fg1	Qal	05/10/18	7.4	<0.25	<0.25	<0.25	<0.25	<0.25	0.31 J	<0.25	1.3	<0.25	<0.40	**2.7**	0.90	0.29 J	<0.25	<0.88	1.9	<0.25	**0.0030 J**
MC-93	32	42	Qal/ UMCf-fg1	Qal	05/11/18	16	<0.25	<0.25	0.41 J	<0.25	<0.25	<0.25	<0.25	8.8	<0.25	<0.40	**1.0 J**	1.8	<0.25	<0.25	<0.88	3.9	0.42 J	**0.0058**
MC-97	31	41	Qal/ UMCf-fg1	Qal	03/13/19	8.8	1.1	<0.25	3.7	<0.25	<0.25	0.50	<0.25	<0.25	<0.25	<0.40	**3.0**	<0.25	<0.25	<0.25	<0.88	<0.25	0.25 J	**0.0060**
MW-16	25	40	Qal/ UMCf-fg1	UMCf-fg1	05/14/18	460	**100**	<0.63	**260**	39	2.4	47	<0.63	3.2	<0.63	<1.0	<0.50	2.5	1.9	<0.63	<2.2	0.97 J	<0.63	**0.0078**
TR-6	60	80	UMCf-cg1	UMCf-cg1	05/14/18	1,400	<5.0	**31**	<5.0	<5.0	<5.0	<5.0	<5.0	**1,400**	<5.0	<8.0	<2.5	<5.0	<5.0	<5.0	<18	**7.6 J**	<5.0	<0.013
TR-8	63	93	UMCf-cg1	UMCf-cg1	05/17/18	4.4	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	4.4	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-10	80	100	UMCf-cg1	UMCf-cg1	05/16/18	2.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
MIDDLE WATER-BEARING ZONE WELLS (~90 - 130 ft bgs)																								
M-149	100	120	UMCf-fg1	na (1)	05/17/18	38	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	38	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0048 J**
M-150	125	145	UMCf-fg1	na (1)	05/14/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-151	125	145	UMCf-fg1	na (1)	05/16/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-161	100	110	UMCf-fg1	na (1)	05/14/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-162	100	110	UMCf-fg1	na (1)	05/15/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-165	110	120	UMCf-fg1	na (1)	05/15/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-181	105	115	UMCf-fg1	na (1)	05/15/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025

TABLE 7-5. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																	
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Chloro-form (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Methylene Chloride (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
					Criteria:	*na*	*5*	*5*	*100*	*600*	*80.7*	*75*	*0.0775*	*70*	*0.135*	*3.36*	*0.46*	*2.79*	*5*	*7*	*5*	*5*	*5*	*0.000835*
M-186	105	115	UMCf-fg1	na (1)	05/17/18	1,100	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**1,100**	<5.0	<8.0	<0.50	<5.0	<5.0	<5.0	<18	<5.0	<5.0	**0.064**
M-195	95	110	UMCf-fg1	na (1)	10/31/17	1,500	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	**1,500**	<1.3	<2.0	<0.50	<1.3	<1.3	<1.3	<4.4	<1.3	<1.3	**0.15**
M-196	90	105	UMCf-fg1	na (1)	10/31/17	430	<0.25	<0.25	0.25 J	<0.25	<0.25	<0.25	<0.25	**430**	**0.32 J**	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.037**
M-197	100	115	UMCf-fg1	na (1)	10/31/17	230	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**230**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.018**
M-198	100	115	UMCf-fg1	na (1)	10/31/17	49	<0.25	<0.25	<0.25	<0.25	<0.25	0.25 J	<0.25	49	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0061**
M-199	90	105	UMCf-fg1	na (1)	10/31/17	4,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**4,000**	<2.5	**7.4 J**	<0.50	<2.5	<2.5	<2.5	<8.8	<2.5	<2.5	**0.098**
M-200	97	112	UMCf-fg1	na (1)	11/01/17	130	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**130**	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.023**
M-204	100	110	UMCf-fg1	na (1)	11/02/17	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-213	100	110	UMCf-fg1	na (1)	11/07/17	1.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.0	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-218	100	110	UMCf-fg1	na (1)	11/02/17	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-222	100	110	UMCf-fg1	na (1)	10/17/17	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-225R	100	120	UMCf-fg1	na (1)	04/13/18	230,000	**18,000**	**1,700**	**190,000**	**4,900**	**220**	**8,900**	<25	**2,500**	<25	<40	<50	<25	<25	<25	<88	<25	<25	<0.25
M-228R	96	116	UMCf-fg1	na (1)	04/13/18	210,000	**19,000**	**1,800**	**170,000**	**6,900**	**320**	**13,000**	<25	**3,200**	<25	<40	<50	<25	<25	<25	<88	<25	<25	<0.25
M-231	100	120	UMCf-fg1	na (1)	11/07/17	0.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.76	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-232	100	120	UMCf-fg1	na (1)	11/06/17	1.6	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.6	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-233	100	120	UMCf-fg1	na (1)	11/01/17	0.68	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.68	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-235	85	105	UMCf-fg1	na (1)	11/06/17	210	<0.25	2.6	<0.25	<0.25	<0.25	<0.25	<0.25	**200**	**0.26 J**	<0.40	<0.50	0.31 J	0.66	1.3	<0.88	<0.25	0.77	**0.92**
M-236	85	105	UMCf-fg1	na (1)	11/07/17	49	<0.25	0.49 J	<0.25	<0.25	<0.25	<0.25	<0.25	48	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.20**
M-238	90	110	UMCf-fg1	na (1)	11/06/17	13	<0.25	0.28 J	<0.25	<0.25	<0.25	<0.25	<0.25	4.8	<0.25	<0.40	**0.91 J**	<0.25	<0.25	5.2	<0.88	<0.25	2.0	<0.0025
M-240	95	115	UMCf-fg1	na (1)	11/01/17	110	<0.25	0.43 J	<0.25	<0.25	<0.25	<0.25	<0.25	**110**	<0.25	<0.40	**0.69 J**	<0.25	<0.25	<0.25	<0.88	<0.25	1.6	**0.012**
M-244	90	105	UMCf-fg1	na (1)	10/27/17	4.4	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	3.0	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	1.4 J	<0.25	<0.25	<0.0025
M-247-100	101	111	UMCf-fg1	na (1)	11/03/17	0.56	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	0.56	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-249-100	100	110	UMCf-fg1	na (1)	11/10/17	4,400	<2.5	4.0 J	<2.5	<2.5	---	<2.5	---	**4,400**	---	---	<0.50	---	<2.5	<2.5	<8.8	<2.5	<2.5	**0.11**
M-251-100	93	103	UMCf-fg1	na (1)	11/02/22	2,400	<0.941	<1.28	<1.16	<1.07	<1.10	<1.20	<1.33	**2,420**	**5.61 J**	<1.29	---	<1.00	<0.819	<1.88	<4.30	<3.00	<1.90	<2.37
M-253-100	101	111	UMCf-fg1	na (1)	11/08/17	69	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	69	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0085**
M-255-100	100	110	UMCf-fg1	na (1)	11/09/17	420	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	**420**	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.014**
M-256-100	100	110	UMCf-fg1	na (1)	11/07/17	5,300	<5.0	<5.0	<5.0	<5.0	---	<5.0	---	**5,300**	---	---	<0.50	---	<5.0	<5.0	<18	<5.0	<5.0	**0.38**
M-259-100	101	111	UMCf-fg1	na (1)	11/06/17	37	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	37	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0058**
M-266	90	100	UMCf-fg1	na (1)	03/15/19	0.56	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.56	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-268	100	115	UMCf-fg1	na (1)	03/14/19	1.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-271	125	135	UMCf-fg1	na (1)	03/12/19	1.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	1.2	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-4	125	145	UMCf-fg1	na (1)	05/14/18	0.42	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	0.42 J	<0.0025
MIDDLE WATER-BEARING ZONE WELLS (~130 - 300 ft bgs)																								
M-117	130	150	UMCf-fg1	na (1)	05/16/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-118	138	158	UMCf-fg1	na (1)	05/16/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-153	150	170	UMCf-fg1	na (1)	05/16/18	0.43	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.43 J	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-154	175	195	UMCf-fg1	na (1)	05/15/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-155	200	220	UMCf-cg2	na (1)	05/15/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-161D	130	140	UMCf-fg1	na (1)	05/14/18	1.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	1.1 J	<0.25	<0.25	<0.0025
M-162D	130	140	UMCf-fg1	na (1)	05/14/18	0.0047	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	**0.0047 J**
M-186D	153	173	UMCf-fg1	na (1)	05/16/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-241	145	150	UMCf-fg1	na (1)	11/10/17	0.62	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	<0.25	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	0.26 J	<0.0025

TABLE 7-5. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																	
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Total VOCs (µg/L)	Benzene (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)	1,4-Dichloro-benzene (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Chloro-form (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	1,4-Dioxane (µg/L)	1,1-DCA (µg/L)	1,2-DCA (µg/L)	1,1-DCE (µg/L)	Methylene Chloride (µg/L)	PCE (µg/L)	TCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
					Criteria:	*na*	*5*	*5*	*100*	*600*	*80.7*	*75*	*0.0775*	*70*	*0.135*	*3.36*	*0.46*	*2.79*	*5*	*7*	*5*	*5*	*5*	*0.000835*
M-248	140	150	UMCf-fg1	na (1)	11/17/17	All ND	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	<0.25	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-250	139	149	UMCf-fg1	na (1)	11/17/17	0.85	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	0.85	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-252	132	142	UMCf-fg1	na (1)	04/21/22	8.1	<0.0941	<0.128	<0.116	<0.107	<0.110	<0.120	<0.133	0.192 J	<0.136	<0.129	---	<0.100	<0.0819	<0.188	<0.430	<0.300	<0.190	<0.237
M-254	138	148	UMCf-fg1	na (1)	11/15/17	All ND	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	<0.25	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
M-257	140	150	UMCf-fg1	na (1)	11/14/17	10	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	10	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	**0.026**
M-258	140	150	UMCf-fg1	na (1)	11/06/17	All ND	<0.25	<0.25	<0.25	<0.25	---	<0.25	---	<0.25	---	---	<0.50	---	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-1	282	312	UMCf-cg2	na (1)	05/11/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-2	145	175	UMCf-fg1	na (1)	05/11/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-3	220	250	UMCf-cg2	na (1)	05/10/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-5	221	251	UMCf-cg2	na (1)	05/14/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-7	260	290	UMCf-cg2	na (1)	05/17/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-9	230	250	UMCf-cg2	na (1)	05/16/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025
TR-11	210	230	UMCf-cg2	na (1)	05/15/18	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.40	<0.50	<0.25	<0.25	<0.25	<0.88	<0.25	<0.25	<0.0025

Notes:

µg/L: micrograms per liter (parts per billion)

GW table: Groundwater table

na (1): not applicable; deeper well screened below the water table.

nm: not measured

"---" means the analyte was not tested.

PCE = Tetrachloroethene

TCE = Trichloroethene

1,1-DCA = 1,1-Dichloroethane; 1,2-DCA = 1,2-Dichloroethane

1,1-DCE = 1,1-Dichloroethene

bold value: Concentrations above the screening criteria.

1. "Total VOCs" is the sum of all positive VOC detections using EPA Methods 8260B and 8260SIM.
"Total VOCs" for which all results were non-detects are marked "All ND".

2. While considered a Primary COPC and not an Other COPC, results for chloroform are also provided on this table to aid in interpretation of overall VOC analytical results.

3. If a field duplicate sample was taken on the date sampled, the higher of the two concentrations is shown in this table for each chemical.

Data Qualifiers:

J = Estimated value

J- = Estimated value, potential negative bias

J+ = Estimated value, potential positive bias

UJ = The analyte was not detected, and the detection limit is an estimated quantity.

TABLE 7-6. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (non-VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results													
		Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Bromide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Strontium (mg/L)	Uranium (total) (mg/L)	Thorium-228 (pCi/L)	Thorium-230 (pCi/L)	4-Chlorobenzenes ulfonic acid (µg/L)	Formaldehyde (µg/L)
					Criteria:	*13.3*	*na*	*1*	*0.01*	*6.67*	*189*	*0.801*	*20*	*0.03*	*0.14*	*0.05*	*3,340*	*0.387*
SHALLOW WATER-BEARING ZONE WELLS (0 - 90 ft bgs)																			
H-28A	12/18/80	28	45	Qal	Qal	<1.3	<12	<0.35	**0.19**	2.2	**740**	**2.4**	**26**	**0.069**	0.0550 U	**0.739 J**	---	---
M-2A	08/01/83	36	46	Qal	Qal	2.7 J	49	<0.70	**0.084**	3.5	**250**	<0.010	13	0.022	0.540 U	**1.11**	---	---
M-5A	08/01/95	40	50	UMCf-fg1	UMCf-fg1	<5.0	<12	1.4 UJ	**0.37**	2.3	**900**	**1.3**	**26**	**0.042**	0.408 U	**0.857 J**	**23,000 J+**	---
M-5D	02/21/17	60	70	UMCf-fg1	na (1)	**42**	<5.0	<1.4	**0.031**	1.7	**560**	0.77	**21**	0.016	---	---	---	---
M-6A	12/01/86	27	43	Qal/ UMCf-fg1	UMCf-fg1	<5.0	<12	<1.4	**0.074**	4.3	**360**	<0.030	17	**0.077**	0.360 U	**0.632 J**	---	---
M-7B	12/02/98	26	51	Qal/ UMCf-fg1	UMCf-fg1	2.8 J	4.9 J	<0.70	**0.084**	4.3	**460**	<0.030	**21**	**0.046**	0.425 U	**0.928 J**	---	---
M-10	05/01/83	43	63	UMCf-fg1	UMCf-fg1	3.1	25	<0.14	**0.011**	2.5	79	**1.7**	3.9	0.0025 J	0.406 U	**0.711 J**	---	---
M-11	05/01/83	33	53	Qal/ UMCf-fg1	Qal	<1.3	9.7	<0.35	**0.15**	6.1	38	<0.010	1.2	0.010	0.358 U	**0.911 J**	---	---
M-12A	09/01/95	40	50	UMCf-fg1	UMCf-fg1	<5.0	28	<1.4	**0.46**	3.0	11	<0.010	1.3	0.018	0.0559 U	**0.647**	---	---
M-13	05/01/83	28	48	Qal/ UMCf-fg1	UMCf-fg1	2.5	16	<0.14	**0.024**	3.1	110	0.43	5.5	0.023 J+	**0.970**	**0.685**	---	---
M-14A	12/07/04	20	40	Qal/ UMCf-fg1	UMCf-fg1	6.2	42	<0.14	**0.11**	2.6 J+	130	<0.010	7.1	**0.039**	0.257 U	**0.641 J**	---	---
M-14D	03/26/17	70	80	UMCf-fg1	na (1)	1.1	29	<0.14	**0.035**	2.3 J	110	0.015 UJ	4.9	0.012	---	---	---	---
M-19	08/01/83	15	35	Qal/ UMCf-fg1	UMCf-fg1	---	49	---	---	3.0	---	---	---	---	---	---	---	---
M-21	08/01/83	18	38	Qal/ UMCf-fg1	UMCf-fg1	---	---	---	---	---	---	---	---	---	---	---	---	---
M-21D	04/12/17	40	55	UMCf-fg1	UMCf-fg1	0.62 J	17	<0.14	**0.096**	1.5	98	<0.015	4.4	0.012	---	---	---	---
M-22A	09/01/88	16	36	Qal/ UMCf-fg1	UMCf-fg1	5.0 J+	210	<35	**0.10**	4.2	**250**	0.046	14	**0.047 J+**	0.955 U	0.491 U	---	---
M-22D	02/11/17	55	65	UMCf-fg1	na (1)	1.3 J	41	<0.35	**0.014**	1.7	140	<0.015	7.5	0.0046	---	---	---	---
M-23	08/01/83	9	37	Qal	Qal	1.8 J	97	<0.35	**0.12**	4.1	120	0.023	7.0	**0.044**	0.349 U	0.648 U	---	---
M-25	05/01/84	24	39	Qal/ UMCf-fg1	UMCf-fg1	6.6	130	<0.70	**0.11**	**9.7**	**190**	<0.010	9.9	**0.061 J+**	0.543 U	0.426 U	---	---
M-29	07/12/84	22	42	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---
M-31A	06/18/03	35	55	Qal/ UMCf-fg1	UMCf-fg1	3.4 J	23	<0.70	**0.10**	6.4	160	<0.010	11	**0.036**	-0.175 U	0.409 U	---	---
M-32	06/27/85	30	45	Qal/ UMCf-fg1	UMCf-fg1	2.3 J	2.3	<0.35	**0.033**	**8.9**	130	0.25	5.9	**0.037**	**1.45**	**1.14**	---	---
M-33	06/27/85	30	45	Qal/ UMCf-fg1	UMCf-fg1	2.8	17	<0.35	**0.071**	5.5	**270**	0.54	9.4	**0.066**	0.174 U	**0.905 J**	---	---
M-35	06/28/85	25	40	Qal/ UMCf-fg1	Qal	<2.5	8.9	<0.70	**0.086**	**12**	170	<0.010	8.0	**0.070**	0.314 U	**0.515 J**	---	---
M-36	06/26/85	20	35	Qal/ UMCf-fg1	nm	---	---	---	---	---	---	---	---	---	---	---	---	---
M-36D	03/26/17	55	65	UMCf-fg1	UMCf-fg1	3.7 J	140	**1.2 J**	**0.025**	5.8 J	**520**	0.075 UJ	**25**	0.021 J	---	---	---	---
M-37	06/28/85	20	35	Qal/ UMCf-fg1	UMCf-fg1	<2.5	440	**4.4**	**0.18**	3.3	110	0.16	5.4	**0.055**	0.309 U	**0.613 J**	---	---
M-38	06/26/85	20	35	Qal/ UMCf-fg1	UMCf-fg1	5.0 UJ	490	<1.4	**0.11**	4.4	**250**	<0.020	14	**0.034**	-0.0280 U	**0.993 J**	---	---
M-39R	12/19/18	25	40	Qal/ UMCf-fg1	nm	<2.5	26	<0.25	---	**11**	180	0.029	8.3	---	---	---	---	---
M-52	08/03/85	35	45	UMCf-fg1	UMCf-fg1	<2.5	18	<0.70	**0.15**	6.0	91	<0.010	5.8	0.014	0.156 U	**0.920 J**	---	---
M-55	09/29/86	15	45	Qal/ UMCf-fg1	Qal	---	---	---	---	---	---	---	---	---	---	---	---	---
M-57A	12/06/04	20	40	Qal/ UMCf-fg1	UMCf-fg1	5.9	31	<0.35	**0.21**	2.3	150	<0.010	6.4	0.017	-0.00406 U	**1.02**	---	---
M-58	09/30/86	15	45	Qal/ UMCf-fg1	Qal	5.8 J	100	<1.4	**0.12**	4.9	**210**	0.14	13	**0.039**	**0.985 J**	0.311 U	---	---
M-64	12/19/86	13	38	Qal/ UMCf-fg1	UMCf-fg1	<1.3	250 J+	<0.35	**0.22**	3.2	79	<0.010	3.8	0.016 J+	**0.879**	**0.859**	---	---
M-65	12/16/87	14	39	Qal/ UMCf-fg1	UMCf-fg1	6.9 J	260	<1.4	**0.096**	4.5	**320**	<0.020	19	**0.052 J+**	**0.737**	**0.554 J**	---	---
M-65D	02/12/17	60	70	UMCf-fg1	na (1)	<2.5	59	<0.70	**0.012**	1.1	180	<0.015	10	0.0061	---	---	---	---
M-66	12/15/86	18	43	Qal/ UMCf-fg1	Qal	<5.0	580	**7.8**	**0.10**	4.7	**350**	<0.020	**21**	**0.048 J+**	**0.758**	**0.821 J**	---	---
M-66D	02/10/17	60	70	UMCf-fg1	na (1)	1.2	39	<0.14	**0.014**	1.6	140	<0.015	8.0	0.0064	---	---	---	---

TABLE 7-6. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (non-VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results													
		Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Bromide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Strontium (mg/L)	Uranium (total) (mg/L)	Thorium-228 (pCi/L)	Thorium-230 (pCi/L)	4-Chlorobenzenes ulfonic acid (µg/L)	Formaldehyde (µg/L)
					Criteria:	*13.3*	*na*	*1*	*0.01*	*6.67*	*189*	*0.801*	*20*	*0.03*	*0.14*	*0.05*	*3,340*	*0.387*
M-67	12/12/86	8	38	Qal/ UMCf-fg1	Qal	<2.5	31	<0.70	**0.12**	**9.7 J+**	**220**	<0.010	9.3	**0.079**	0.169 U	**0.471 J**	---	---
M-68	12/11/86	11	40	Qal/ UMCf-fg1	Qal	4.8 J	49	<0.70	**0.13**	5.0	**270**	0.047	12	**0.031**	0.462 U	**0.449 J**	---	---
M-69	12/17/86	20	40	Qal/ UMCf-fg1	UMCf-fg1	2.2 J	120 J+	<0.35	**0.13**	3.1	140	<0.010	7.5	**0.034**	**1.12**	0.399 U	---	---
M-70	12/16/86	15	40	Qal/ UMCf-fg1	UMCf-fg1	7.9	200 J+	<0.70	**0.064**	**6.8**	**250**	0.013 J	13	0.024	**0.635 J**	**0.826 J**	---	---
M-71	12/16/86	18	42	Qal/ UMCf-fg1	UMCf-fg1	6.3	240 J+	<0.70	**0.080**	6.1	**240**	<0.010	14	0.026	**0.747 J**	**0.705 J**	---	---
M-72	12/16/86	10	35	Qal/ UMCf-fg1	UMCf-fg1	5.2	240	<0.70	**0.098**	**12**	**450**	0.028 J	**26**	**0.031**	**0.844 J**	**0.698 J**	---	---
M-72D	02/08/17	60	70	UMCf-fg1	na (1)	0.80	24	<0.070	**0.016**	1.1 J	78	0.015 UJ	4.5	0.0093	---	---	---	---
M-73	12/15/86	11	36	Qal/ UMCf-fg1	UMCf-fg1	4.1 J	34 J	<0.70	**0.065**	**14 J+**	**410**	<0.010	20	**0.033**	0.121 U	**1.20**	---	---
M-74	12/11/86	9	39	Qal/ UMCf-fg1	UMCf-fg1	4.7 J	62	<0.70	**0.19**	4.6 J+	**240**	<0.010	9.8	0.027	0.544 U	**0.792 J**	---	---
M-75	08/20/87	35	50	Qal/ UMCf-fg1	Qal	5.5	34	<0.35	**0.10**	4.3	99	<0.010	3.7	0.011	**1.17**	**0.691 J**	---	---
M-76	08/21/87	35	50	Qal/ UMCf-fg1	Qal	<2.5	44	<0.70	**0.099**	4.0	110	<0.010	4.9	0.012 J+	**0.751**	**1.49**	---	---
M-77	08/20/87	29	44	Qal/ UMCf-fg1	Qal	1.8 J	26	<0.35	**0.11**	3.4	150	**1.3 J+**	5.4	0.027	0.146 U	**0.879 J**	---	---
M-79	08/21/87	11	35	Qal/ UMCf-fg1	UMCf-fg1	2.0 J	140	<0.35	**0.14**	3.6	130	<0.010	7.8	0.026	**0.505 J**	**0.515 J**	---	---
M-80	08/26/87	12	42	Qal/ UMCf-fg1	UMCf-fg1	3.2	290	**2.5**	**0.032**	2.9	150	0.031	8.5	0.023	-0.0403 U	**0.732 J**	---	---
M-81A	08/23/95	30	40	Qal/ UMCf-fg1	UMCf-fg1	2.4 J	170	0.35 UJ	**0.10**	3.9	160	<0.010	9.6	**0.035**	0.453 U	**0.917 J**	---	---
M-81D	03/07/17	60	70	UMCf-fg1	na (1)	0.63 J	38	<0.14	**0.019**	1.3	120	<0.015	7.3	0.0098	---	---	---	---
M-83	08/24/87	11	40	Qal/ UMCf-fg1	Qal	7.0	440	**6.4 J**	**0.042**	3.3	140	<0.010	11	**0.031**	0.192 U	**0.478 J**	---	---
M-83D	03/01/17	60	70	UMCf-fg1	na (1)	0.32 J	5.1	<0.070	**0.042**	0.93	22	<0.015	1.2	0.0059	---	---	---	---
M-92	01/04/89	35	45	UMCf-fg1	UMCf-fg1	1.9	23	<0.070	**0.086**	1.5 J+	77	<0.010	3.6	0.0047	0.387 U	**0.871 J**	---	---
M-93	05/05/93	35	45	UMCf-fg1	UMCf-fg1	0.78 J	36	<0.14	**0.11**	1.7	93	<0.015	4.7	0.0082	---	---	---	---
M-97	04/08/97	35	45	UMCf-fg1	UMCf-fg1	8.4 J	58	<0.35	**0.20**	5.9 J+	**210**	<0.010	10	**0.036**	0.208 U	**0.910 J**	---	---
M-98	12/03/98	19	29	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---
M-99	12/03/98	16	31	Qal/ UMCf-fg1	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---
M-100	12/03/98	19	29	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---
M-101	12/01/98	17	27	Qal	nm (dry)	---	---	---	---	---	---	---	---	---	---	---	---	---
M-103	03/01/00	70	90	UMCf-fg1	UMCf-fg1	---	12	---	---	---	---	---	---	---	---	---	---	---
M-115	12/07/04	35	45	Qal/ UMCf-fg1	UMCf-fg1	5.2	38	<0.14	**0.10**	2.1	96	<0.010	4.5	0.011 J+	**0.936**	**1.40**	---	---
M-120	03/08/06	80	100	UMCf-cg1	UMCf-cg1	<0.50	10	<0.14	**0.17**	0.80	110	<0.010	4.4	0.028	0.0852 U	**0.230**	---	---
M-121	03/11/06	77	97	UMCf-cg1	UMCf-cg1	1.6 J	97	<0.35	**0.10**	3.7	93	<0.010	4.9 J-	0.0068	0.0896 U	**0.202 J**	---	---
M-123	06/28/08	36	51	UMCf-fg1	UMCf-fg1	<13	23 J	<3.5	**0.054**	3.4	**300**	0.036	14	**0.075**	0.108 U	**0.475**	---	---
M-124	06/28/08	34	49	UMCf-fg1	UMCf-fg1	2.3	23	<0.14	**0.068**	2.0 J+	140	<0.010	7.9	0.0055	0.211 U	**0.830 J**	---	---
M-125	07/01/08	35	50	UMCf-fg1	UMCf-fg1	**29**	25	<1.4	**0.060**	2.2	**460**	<0.050	**24**	0.027	0.506 U	**1.06**	130	---
M-125D	02/25/17	60	70	UMCf-fg1	na (1)	<13	15 J	<3.5	**0.037**	2.0	**540**	0.094 J	**25**	0.017	---	---	---	---
M-126	12/04/07	20	40	Qal/ UMCf-fg1	UMCf-fg1	<5.0	<12	<1.4	**0.034**	1.9	**830**	**1.3**	**36**	**0.052**	**0.591**	**0.944 J**	2,400 J+	---
M-128	06/27/08	40	55	UMCf-fg1	UMCf-fg1	3.5	39	<0.35	**0.074**	1.8	120	<0.010	5.3	0.015	0.117 U	**1.04**	---	---
M-129	03/19/08	20	40	Qal/ UMCf-fg1	UMCf-fg1	0.65 J-	53	0.14 UJ	**0.20**	3.8	**220**	<0.080	9.6	0.017	---	---	---	---
M-132	12/12/07	80	90	UMCf-fg1	UMCf-fg1	3.8	18	<0.14	**0.020**	2.9	81	<0.010	4.3	0.010	**1.01**	**0.527 J**	---	---
M-133	12/13/07	60	70	UMCf-fg1	UMCf-fg1	<2.5	35	<0.70	**0.024**	2.1 J+	**260**	<0.010	13	0.0071	0.436 U	**0.434 J**	---	---
M-134	12/01/07	60	70	UMCf-fg1	UMCf-fg1	1.2	16	<0.14	**0.035**	1.8	140	<0.010	6.5	0.010	**0.580 J**	**0.595 J**	---	---

TABLE 7-6. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (non-VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results												
		Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Bromide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Strontium (mg/L)	Uranium (total) (mg/L)	Thorium-228 (pCi/L)	Thorium-230 (pCi/L)	4-Chlorobenzenesulfonic acid (µg/L)	Formaldehyde (µg/L)
					Criteria:	*13.3*	*na*	*1*	*0.01*	*6.67*	*189*	*0.801*	*20*	*0.03*	*0.14*	*0.05*	*3,340*	*0.387*
M-135	11/30/07	29	39	Qal/ UMCf-fg1	UMCf-fg1	2.7	42	<0.35	**0.12**	2.8	120	<0.010	5.9	0.014	0.264 U	**0.739 J**	---	---
M-136	11/29/07	80	90	UMCf-fg1	na (1)	3.3	9.3	<0.070	**0.042**	1.1	52	<0.010	2.6	0.0041	**0.531**	**0.534 J**	---	---
M-137	07/27/09	52	72	UMCf-cg1	UMCf-cg1	0.86 J	49	<0.14	**0.16**	3.0	76	<0.010	2.9	**0.036 J+**	**1.31**	0.512 U	---	---
M-138	07/28/09	50	65	UMCf-cg1	UMCf-cg1	0.82 J	16	<0.14	**0.25**	2.8	75	<0.010	2.2	0.029 J+	0.646 U	0.211 U	---	---
M-139	08/28/09	45	60	UMCf-fg1	UMCf-fg1	0.85 J	14	<0.14	**0.19**	1.6	100	<0.010	4.7	0.0096	**0.988 J**	**0.837 J**	---	---
M-140	06/08/10	24	44	Qal/ UMCf-fg1	Qal	3.3 J	490	**16 J**	**0.11**	4.8	**220**	0.017 J	11	**0.033**	0.479 U	**0.686 J**	---	---
M-140D	02/09/17	60	70	UMCf-fg1	na (1)	0.91	56	<0.070	**0.019**	1.1 J	83	0.015 UJ	4.1	0.0074	---	---	---	---
M-141	08/01/09	40	50	Qal/ UMCf-fg1	UMCf-fg1	2.9 J	37	<0.70	**0.14**	**9.8**	81	0.42 J+	5.4	**0.049**	0.0205 U	**1.30**	---	---
M-142	06/25/08	30	45	UMCf-fg1	UMCf-fg1	1.5	41	<0.14	**0.053**	2.0	120	<0.010	5.4	0.0058	0.705 U	**0.732**	---	---
M-144	09/08/09	35	45	UMCf-fg1	UMCf-fg1	1.3 J+	21	<0.35	**0.14**	3.0	150	<0.010	8.3	0.023 J+	**0.995**	0.511 U	---	---
M-145	08/31/09	45	60	UMCf-fg1	UMCf-fg1	---	2.6	---	---	3.6	---	---	---	---	---	---	---	---
M-146	09/01/09	40	50	UMCf-fg1	UMCf-fg1	2.5 J	24	<0.70	**0.21**	5.9	160	<0.010	7.1	0.027	**0.735**	**0.766 J**	---	---
M-147	08/20/09	25	40	Qal/ UMCf-fg1	UMCf-fg1	4.4	42	<0.35	**0.15**	3.1	**200**	<0.010	11	**0.062**	**1.14**	**0.881 J**	---	---
M-148A	06/08/10	40	50	Qal/ UMCf-fg1	Qal	<2.5	39	<0.70	**0.12**	2.7	**360**	<0.010	14	**0.16**	0.0211 U	**0.726**	---	---
M-159	05/22/10	65	75	UMCf-fg1	na (1)	<2.5	14	<0.25	**0.024**	1.9	120	<0.015	5.8	0.0067	---	---	---	---
M-160	05/23/10	40	50	UMCf-fg1	na (1)	<2.5	21	<0.25	**0.12**	2.1	170	<0.015	8.0	0.0095	---	---	---	---
M-163	05/20/10	80	90	UMCf-fg1	na (1)	0.93	8	<0.070	**0.039**	0.84	13	<0.010	0.85	0.011	0.195 U	**0.634**	---	---
M-164	05/20/10	60	70	UMCf-fg1	na (1)	8.1	120	<0.70	**0.028**	2.1	**200**	<0.010	12	0.020	0.443 U	**0.889**	---	---
M-182	06/04/10	80	90	UMCf-fg1	na (1)	<5.0	93	<1.4	**0.020**	2.1	**510**	<0.050	**26**	0.018	-0.0153 U	**0.860**	---	---
M-189	12/02/14	35	50	UMCf-fg1	UMCf-fg1	1.5 J-	16	<0.070	**0.17**	2.7	77	<0.010	4.4	0.0077 J	0.254 U	**0.474 J**	<0.097	---
M-190	12/05/14	35	50	UMCf-fg1	UMCf-fg1	1.9 J-	13	<0.070	**0.11**	1.8	75	<0.010	3.8	0.0059 J	0.413 U	**1.08**	<0.097	---
M-191	12/01/14	35	50	UMCf-fg1	UMCf-fg1	1.3 UJ	38	<0.35	**0.074**	2.5	64	<0.010	5.9	0.0097 J	0.228 U	**0.696 J**	<0.097	---
M-192	12/03/14	35	50	UMCf-fg1	UMCf-fg1	1.3	7.5	<0.070	**0.072**	1.9	56	0.010 J	3.8	0.0089 J	0.491 U	**0.967 J**	<0.097	---
M-193	12/04/14	35	50	UMCf-fg1	UMCf-fg1	2.0	16	<0.070	**0.19**	2.5	77	<0.010	5.4	0.012	0.226 U	**0.740 J**	<0.097	---
M-201	02/27/17	62	72	UMCf-fg1	na (1)	<2.5	17	<0.70	**0.027**	1.9	**280**	<0.075	13	0.0061	---	---	---	---
M-202	02/26/17	40	55	UMCf-fg1	UMCf-fg1	<2.5	20	<0.70	**0.062**	2.5	**240**	<0.015	11	0.020	---	---	---	---
M-203	03/14/17	30	50	UMCf-fg1	UMCf-fg1	<5.0	5.3 J	<1.4	**0.031**	3.5	**350**	0.36	14	**0.057**	---	---	---	---
M-205	05/10/17	30	50	UMCf-fg1	UMCf-fg1	**39**	31	<1.4	**0.014**	**27**	**610**	0.60	**23**	**0.075**	---	---	---	---
M-206	05/18/17	30	50	UMCf-fg1	UMCf-fg1	<2.5	11	<0.70	**0.10**	2.9	150	<0.030	6.7	0.014	---	---	---	---
M-207	05/23/17	25	45	UMCf-fg1	UMCf-fg1	5.9	110	<0.35	**0.044**	3.8	160	<0.015	8.1	0.012	---	---	---	---
M-208	05/22/17	25	45	Qal/ UMCf-fg1	UMCf-fg1	<2.5	220	<0.70	**0.053**	3.5	140	0.023	8.4	**0.048**	---	---	---	---
M-209	05/21/17	50	60	UMCf-fg1	na (1)	<2.5	46	<0.70	**0.016**	1.4	**190**	0.015 J	10	0.013	---	---	---	---
M-210	05/20/17	70	80	UMCf-fg1	na (1)	0.27 J	3.0	<0.070	**0.049**	1.1	20	<0.015	1.0	0.011	---	---	---	---
M-211	05/18/17	25	45	Qal/ UMCf-fg1	UMCf-fg1	<1.3	110	<0.35	**0.068**	2.5	110	<0.015	7.2	**0.047**	---	---	---	---
M-212	05/17/17	60	70	UMCf-fg1	na (1)	0.34 J	19	<0.070	**0.036**	1.0	39	<0.015	2.1	0.0069	---	---	---	---
M-214	05/31/17	30	50	UMCf-fg1	UMCf-fg1	<1.3	160	<0.35	**0.039**	4.5	150	<0.015	8.0	**0.036**	---	---	---	---
M-215	03/28/17	25	45	UMCf-fg1	UMCf-fg1	<1.3	270	<0.35	**0.039**	2.7	120	<0.015	7.6	0.013	---	---	---	---
M-216	04/12/17	25	45	UMCf-fg1	UMCf-fg1	0.52 J	95	<0.14	**0.039**	2.3	85	0.017 J	5.2	0.018	---	---	---	---
M-217	04/07/17	55	65	UMCf-fg1	na (1)	0.65 J	21	<0.14	**0.016**	0.96	77	<0.015	4.2	0.0051	---	---	---	---

TABLE 7-6. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (non-VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results												
		Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Bromide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Strontium (mg/L)	Uranium (total) (mg/L)	Thorium-228 (pCi/L)	Thorium-230 (pCi/L)	4-Chlorobenzenesulfonic acid (µg/L)	Formaldehyde (µg/L)
					Criteria:	*13.3*	*na*	*1*	*0.01*	*6.67*	*189*	*0.801*	*20*	*0.03*	*0.14*	*0.05*	*3,340*	*0.387*
M-219	03/29/17	25	45	UMCf-fg1	UMCf-fg1	<1.3	140	<0.35	**0.019**	2.9	120	<0.015	7.0	0.014	---	---	---	---
M-220	03/28/17	60	70	UMCf-fg1	na (1)	0.27 J	17	<0.070	**0.036**	0.97	28	<0.015	1.4	0.0066	---	---	---	---
M-221	02/13/17	75	85	UMCf-fg1	na (1)	0.28 J	9.3	<0.070	**0.025**	0.85	15	<0.015	0.78	0.0075	---	---	---	---
M-223	07/17/17	40	55	UMCf-fg1	na (1)	<13	25	<3.5	**0.049**	2.4	**490**	<0.030	**25**	0.0069	---	---	---	---
M-224R	01/21/18	60	80	UMCf-fg1	na (1)	<2.5	3.5 J	<0.70	**0.014**	1.5	**420**	<0.075	**22**	0.0053	---	---	---	---
M-226	07/15/17	40	55	UMCf-fg1	na (1)	<2.5	5.7	<0.70	**0.046**	2.3	**290**	0.045	14	0.010	---	---	---	---
M-227R	01/24/18	60	80	UMCf-fg1	na (1)	<5.0	13	<1.4	**0.018**	2.2	**950**	<0.075	**49**	0.015	---	---	---	---
M-229	06/05/17	40	55	UMCf-fg1	na (1)	0.90 J	33	<0.14	**0.042**	1.9	140	<0.015	5.9	0.0036	---	---	---	---
M-230	06/29/17	70	90	UMCf-fg1	na (1)	0.32 J	6.7	<0.070	**0.031**	0.90	29	<0.015	1.6	0.0044	---	---	---	---
M-234	06/30/17	65	85	UMCf-fg1	na (1)	<2.5	11	<0.70	**0.024**	1.7	**310**	0.035 J	15	0.0091	---	---	---	---
M-237	07/01/17	45	60	UMCf-fg1	UMCf-fg1	2.1	29	<0.14	**0.19**	2.8	85	<0.015	4.4	0.0035	---	---	---	---
M-239	07/25/17	65	85	UMCf-fg1	na (1)	<1.3	18	<0.35	**0.065**	2.8	130	0.020	5.7	0.013	---	---	---	---
M-242	05/08/17	38	53	UMCf-fg1	UMCf-fg1	<5.0	<5.0	<1.4	**0.12**	2.5	**740**	**3.0**	**26**	**0.041**	---	---	---	---
M-243	05/08/17	60	70	UMCf-fg1	na (1)	<2.5	<2.5	<0.70	**0.042**	2.2	**350**	0.38	17	0.0066	---	---	---	---
M-245	05/08/17	35	50	UMCf-fg1	UMCf-fg1	<2.5	3.7 J	<0.70	**0.042**	2.3	**350**	0.71	16	0.022	---	---	---	---
M-246	05/06/17	60	70	UMCf-fg1	na (1)	<2.5	3.8 J	<0.70	**0.026**	2.3	**270**	0.12	12	0.0059	---	---	---	---
M-247-60	10/09/17	61	71	UMCf-fg1	na (1)	0.53 J	2.5	0.18 J	<0.010	0.36	0.11	<0.015	3.5	0.0000870 J	**0.274 J**	**0.297 J**	---	<5.0
M-249-60	09/14/17	60	70	UMCf-fg1	na (1)	0.51 J	8.4	0.16 J	<0.020	0.93	4.4	<0.015	2.3	0.000363 J	0.152	**0.146 J**	---	<5.0
M-251-60	09/19/17	53	63	UMCf-fg1	na (1)	<1.3	10.4	<0.35	**0.045 J**	1.0	0.091	<0.015	0.67	0.000614 J	0.0679	**0.349 J+**	---	<5.0
M-253-60	10/04/17	61	71	UMCf-fg1	na (1)	0.84	1.4	<0.070	**0.030**	0.87	12	<0.015	1.9	0.00144	0.181	**0.184 J**	---	<5.0
M-255-60	10/16/17	60	70	UMCf-fg1	na (1)	<1.3	12	0.52 J	**0.13**	1.6	1.4	<0.015	0.50	0.00447 J	0.0762	**0.325 J**	---	<5.0
M-256-60	09/22/17	60	70	UMCf-fg1	na (1)	<0.50	5.3	<0.14	**0.062**	1.3	4.1	<0.015	1.1	0.00147	**0.397 J**	**0.169 J**	---	<5.0
M-259-60	09/26/17	61	71	UMCf-fg1	na (1)	<1.3	8	<0.35	**0.072**	2.6	0.16	0.031	2.5	0.00237	0.117	**0.127 J**	---	<5.0
M-260	11/28/18	65	75	UMCf-fg1	na (1)	0.31 J+	0.27 J+	<0.025	**0.032**	0.94	37	0.052	1.8	0.0058	---	---	---	---
M-261	11/29/18	60	75	UMCf-fg1	na (1)	<2.5	<2.5	<0.25	**0.013**	1.2	140	0.019 J	7.4	0.0056	---	---	---	---
M-262	11/30/18	80	90	UMCf-fg1	na (1)	0.25 J+	0.44 J	<0.025	**0.027**	0.97	24	0.027	1.3	0.0067	---	---	---	---
M-263	11/30/18	60	70	UMCf-fg1	na (1)	<5.0	5.6 J	<0.50	**0.017**	3.2	**230**	0.021	10	0.014	---	---	---	---
M-264	12/03/18	85	95	UMCf-fg1	na (1)	0.31 J	4.6	<0.025	**0.031**	0.92	19	<0.015	1.1	0.0097	---	---	---	---
M-265	12/04/18	60	70	UMCf-fg1	na (1)	0.47 J	4.0	<0.025	**0.028**	1.1	34	<0.015	1.5	0.0096	---	---	---	---
M-267	12/20/18	80	95	UMCf-fg1	na (1)	0.37 J	9.8	<0.025	**0.032**	0.95	27	<0.015	1.5	0.0057	---	---	---	---
M-269	01/25/19	60	70	UMCf-fg1	na (1)	**23 J**	69	<1.3	**0.011**	**11**	**370**	0.050	20	0.010	---	---	---	---
M-270	01/24/19	90	100	UMCf-fg1	na (1)	<0.25	8.2	<0.025	**0.038**	0.81	15	<0.015	0.80	0.0051	---	---	---	---
MC-29	09/01/82	38	50	Qal/ UMCf-fg1	Qal	<13	13 UJ	<3.5	**0.083**	1.8	**630**	0.72	19	0.022	-0.00540 U	0.252 U	---	---
MC-45	01/13/83	30	34	Qal	Qal	<13	<13	<3.5	**0.093**	1.9	**430**	**1.0**	14	0.024	-0.0202 U	**1.20**	---	---
MC-50	05/18/83	24	49	Qal	Qal	<13	<12	<3.5	**0.089**	2.0	**510**	**0.81 J+**	18	0.018	0.146 U	0.169 U	---	---
MC-51	05/18/83	24	49	Qal/ UMCf-fg1	Qal	<13	<1.2	<3.5	**0.12**	2.0	**520**	0.28	19	**0.038**	0.493 U	0.434 U	---	---
MC-53	05/19/83	20	40	Qal/ UMCf-fg1	Qal	<13	<12	<3.5	**0.10**	2.2	**400**	0.14	18	**0.042**	0.123 U	**1.23**	---	---
MC-93	11/03/83	32	42	Qal/ UMCf-fg1	Qal	2.6 J	<12	<0.70	**0.069**	3.4	**370**	0.027	18	**0.062**	**0.563 J**	0.388 U	---	---
MC-97	11/04/83	31	41	Qal/ UMCf-fg1	Qal	<5.0	<12	<1.4	**0.097**	2.1	**450**	0.097	15	**0.034**	0.440 U	**1.18**	---	---

TABLE 7-6. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (non-VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results												
		Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Bromide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Strontium (mg/L)	Uranium (total) (mg/L)	Thorium-228 (pCi/L)	Thorium-230 (pCi/L)	4-Chlorobenzenes ulfonic acid (µg/L)	Formaldehyde (µg/L)
					Criteria:	*13.3*	*na*	*1*	*0.01*	*6.67*	*189*	*0.801*	*20*	*0.03*	*0.14*	*0.05*	*3,340*	*0.387*
MW-16	12/05/07	25	40	Qal/ UMCf-fg1	UMCf-fg1	2.6 J	<12	0.70 UJ	**0.039**	2.1	**640**	0.71	**26**	**0.045**	0.191 U	**0.770 J**	---	---
TR-6	09/24/99	60	80	UMCf-cg1	UMCf-cg1	<5.0	25 J+	<1.4	**0.038**	2.1	**960**	<0.050	**53**	0.027	0.0213 U	0.172 U	---	---
TR-8	09/30/99	63	93	UMCf-cg1	UMCf-cg1	0.86	9.3	<0.070	**0.068**	1.1	36	<0.010	1.9	0.0043	0.170 U	**0.746**	---	---
TR-10	10/01/99	80	100	UMCf-cg1	UMCf-cg1	0.59 J	34	<0.14	**0.061**	2.1	73	<0.010	4.4	0.0043 J	0.0514 U	**0.165**	---	---
MIDDLE WATER-BEARING ZONE WELLS (~90 - 130 ft bgs)																		
M-149	09/17/09	100	120	UMCf-fg1	na (1)	0.44 J	13	<0.070	**0.028**	0.98	79	0.14	4.5	0.0045	-0.0308 U	**0.749 J**	---	---
M-150	09/17/09	125	145	UMCf-fg1	na (1)	0.76	9.3	<0.070	**0.038**	0.68	13	0.033	0.92	0.0041	**0.245**	**0.158 J**	---	---
M-151	09/24/09	125	145	UMCf-fg1	na (1)	0.27 J	10	<0.070	**0.025**	0.73	13	<0.010	0.70	0.0066	-0.0667 U	**0.783 J**	---	---
M-161	05/22/10	100	110	UMCf-fg1	na (1)	0.26 J	6.6 J+	<0.070	**0.030**	0.92	18	<0.010	1.0	0.0048	0.109 U	**0.0771 J**	---	---
M-162	05/21/10	100	110	UMCf-fg1	na (1)	0.36 J	27	<0.070	**0.027**	0.83	15	<0.010	1.9	0.0067	0.137 U	0.129 U	---	---
M-165	05/19/10	110	120	UMCf-fg1	na (1)	0.26 J	13	0.40	**0.045**	0.74	13	<0.010	0.73	0.011	0.171 U	**0.640 J**	---	---
M-181	06/04/10	105	115	UMCf-fg1	na (1)	0.71 J+	15	<0.070	**0.044**	0.72	13	<0.010	0.83	0.010	0.0825 U	**0.890 J**	---	---
M-186	06/02/10	105	115	UMCf-fg1	na (1)	**14**	35	<0.70	**0.025**	3.7	**300**	<0.010	13	0.0080 J+	0.0481 U	**1.06 J**	---	---
M-195	07/18/17	95	110	UMCf-fg1	na (1)	<5.0	67	<1.4	0.010	3.7	**230**	0.030 J	14	0.010	---	---	---	---
M-196	06/21/17	90	105	UMCf-fg1	na (1)	<5.0	41	<1.4	0.010	0.96	**240**	0.044	15	0.0030	---	---	---	---
M-197	07/13/17	100	115	UMCf-fg1	na (1)	<0.50	13	<0.14	**0.016**	2.8	74	<0.015	4.2	0.0035	---	---	---	---
M-198	06/19/17	100	115	UMCf-fg1	na (1)	0.57 J	18	<0.14	0.0092	1.0	85	0.028	5.3	0.0041	---	---	---	---
M-199	06/27/17	90	105	UMCf-fg1	na (1)	<13	55	<3.5	0.0090 J	**6.7**	**770**	0.10	**42**	0.012	---	---	---	---
M-200	06/06/17	97	112	UMCf-fg1	na (1)	<0.50	14	<0.14	**0.017**	1.5	76	<0.015	5.1	0.0033	---	---	---	---
M-204	05/17/17	100	110	UMCf-fg1	na (1)	0.27 J	5.6	<0.070	**0.015**	0.92	23	<0.015	1.5	0.0053	---	---	---	---
M-213	05/10/17	100	110	UMCf-fg1	na (1)	0.26 J	5.2 J-	<0.070	**0.039**	0.88	15	<0.015	0.82	0.0065	---	---	---	---
M-218	04/04/17	100	110	UMCf-fg1	na (1)	<0.25	11	<0.070	**0.036**	0.72	11	<0.015	0.65	0.0066	---	---	---	---
M-222	02/14/17	100	110	UMCf-fg1	na (1)	0.27 J	4.9	<0.070	**0.033**	0.76	14	<0.015	0.82	0.0070	---	---	---	---
M-225R	01/19/18	100	120	UMCf-fg1	na (1)	<0.25	7.3	<0.070	**0.021**	0.85	16	<0.015	0.98	0.0060	---	---	---	---
M-228R	01/23/18	96	116	UMCf-fg1	na (1)	0.25 J+	3.8	0.12 J+	**0.017**	0.91	30	0.024	1.6	0.0067	---	---	---	---
M-231	06/04/17	100	120	UMCf-fg1	na (1)	<0.25	5.7	<0.070	**0.038**	0.83	16	<0.015	1.1	0.0028	---	---	---	---
M-232	07/15/17	100	120	UMCf-fg1	na (1)	0.29 J	4.1	<0.070	**0.039**	0.97	20	0.021	1.2	0.0053	---	---	---	---
M-233	07/24/17	100	120	UMCf-fg1	na (1)	0.28 J	6.6	<0.070	**0.029**	0.81	16	<0.015	1.1	0.0040	---	---	---	---
M-235	07/15/17	85	105	UMCf-fg1	na (1)	0.37 J	8.1	<0.070	**0.029**	1.2	59	<0.015	3.3	0.0050	---	---	---	---
M-236	07/11/17	85	105	UMCf-fg1	na (1)	0.31 J	7.0 J-	<0.070	**0.026**	1.1	39	<0.015	2.0	0.0049	---	---	---	---
M-238	07/14/17	90	110	UMCf-fg1	na (1)	0.51 J	9.9	<0.14	**0.022**	1.3	62	<0.015	3.3	0.0047	---	---	---	---
M-240	07/26/17	95	115	UMCf-fg1	na (1)	<1.3	18	<0.35	**0.020**	1.7	150	<0.015	8.1	0.0059	---	---	---	---
M-244	05/06/17	90	105	UMCf-fg1	na (1)	0.28 J	6.2	<0.070	**0.028**	0.91	28	<0.015	1.9	0.0030	---	---	---	---
M-247-100	10/09/17	101	111	UMCf-fg1	na (1)	<0.25	7.1	<0.070	**0.019**	0.83	23	<0.015	0.90	0.00267	**0.257 J**	**0.167 J**	---	<5.0
M-249-100	09/14/17	100	110	UMCf-fg1	na (1)	<25	230	<7.0	<0.20	1.8	**1,100**	<0.075	**72**	0.00263	**1.11**	**1.49**	---	**2,000**
M-251-100	09/19/17	93	103	UMCf-fg1	na (1)	<13	95.2	<3.5	<0.20	1.9	**610**	<0.075	**55**	0.000471 J	**1.49**	0.594	---	**280**
M-253-100	10/04/17	101	111	UMCf-fg1	na (1)	<1.3	13	<0.35	<0.010	0.98	110	0.019 J	6.3	0.00131	0.183	**0.403 J**	---	**11**
M-255-100	10/16/17	100	110	UMCf-fg1	na (1)	<1.3	31	<0.35	<0.020	0.89	75	<0.015	4.8	0.00342	**1.05**	**1.84**	---	<5.0
M-256-100	09/22/17	100	110	UMCf-fg1	na (1)	<25	240	<7.0	<0.20	1.3	**930**	<0.075	**70**	0.00194	**1.37**	**1.06**	---	**330**

TABLE 7-6. SUMMARY OF ANALYTICAL RESULTS FOR WELLS IN OU-1 - OTHER COPCs (non-VOCs)
Nevada Environmental Response Trust Site
Henderson, Nevada

On-Site Monitoring Well ID	Date Installed	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results												
		Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Bromide (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Strontium (mg/L)	Uranium (total) (mg/L)	Thorium-228 (pCi/L)	Thorium-230 (pCi/L)	4-Chlorobenzenes ulfonic acid (µg/L)	Formaldehyde (µg/L)
					Criteria:	*13.3*	*na*	*1*	*0.01*	*6.67*	*189*	*0.801*	*20*	*0.03*	*0.14*	*0.05*	*3,340*	*0.387*
M-259-100	09/26/17	101	111	UMCf-fg1	na (1)	0.32 J	9.7 J-	0.070 UJ	**0.020**	0.83	32	<0.015	1.7	0.00234 J	0.174	**0.201 J**	---	<5.0
M-266	12/05/18	90	100	UMCf-fg1	na (1)	0.29 J	1.6	<0.025	**0.024**	0.81	14	<0.015	0.67	0.0078	---	---	---	---
M-268	12/11/18	100	115	UMCf-fg1	na (1)	0.27 J	7.6	<0.025	**0.035**	0.88	15	<0.015	0.79	0.0072	---	---	---	---
M-271	01/23/19	125	135	UMCf-fg1	na (1)	<0.25	5.5	<0.025	**0.025**	0.88	16	<0.015	0.93	0.0038 J	---	---	---	---
TR-4	09/15/99	125	145	UMCf-fg1	na (1)	1.4	6.2 J+	<0.070	**0.024**	0.79	16	<0.010	1.3	0.0031	0.0530 U	0.0387 U	---	---
MIDDLE WATER-BEARING ZONE WELLS (~130 - 300 ft bgs)																		
M-117	03/01/06	130	150	UMCf-fg1	na (1)	1.3	8	<0.070	**0.014**	0.83	19	<0.010	1.0 J-	0.0023	0.00756 U	**0.151 J**	---	---
M-118	03/01/06	138	158	UMCf-fg1	na (1)	0.39 J	6.6	<0.070	**0.053**	0.77	21	<0.010	1.2	0.0020 J	0.0177 U	0.167 U	---	---
M-153	09/30/09	150	170	UMCf-fg1	na (1)	1.0	6.6	<0.070	**0.012**	0.79 J-	17	<0.010	1.2	0.0043 J+	-0.0736 U	**0.522 J**	---	---
M-154	10/01/09	175	195	UMCf-fg1	na (1)	1.1	5.3	<0.070	**0.015**	0.78	15	0.022	1.1	0.0029	0.0351 U	**0.119 J**	---	---
M-155	10/04/09	200	220	UMCf-cg2	na (1)	0.28 J	3.1	<0.070	**0.016**	0.80	14	<0.010	0.90	0.0039	-0.00500 U	**0.736 J**	---	---
M-161D	12/05/14	130	140	UMCf-fg1	na (1)	0.37 J	4.4	<0.070	**0.022**	0.90 J+	18	<0.010	1.1	0.0039 J	0.131 U	**0.529 J**	<0.097	---
M-162D	12/11/14	130	140	UMCf-fg1	na (1)	0.29 J	8.4 J+	<0.070	**0.026**	0.80 J+	14	<0.010	0.82	0.0045 J	0.200 U	0.170 U	<0.097	---
M-186D	12/10/14	153	173	UMCf-fg1	na (1)	<0.25	9.3	<0.070	**0.025**	0.72	15	<0.015	0.98	0.0046	0.116 U	**0.310 J**	0.097 UJ	---
M-241	12/06/16	145	150	UMCf-fg1	na (1)	<0.25	1.9	<0.070	**0.019**	0.77	15	0.027	1.0	0.00233	0.188	**0.352 J**	---	<5.0
M-248	09/07/17	140	150	UMCf-fg1	na (1)	<0.25	6.2	<0.070	**0.016 J**	0.96	17	<0.015	1.1	0.00244	**0.159 J+**	**0.182 J+**	---	<5.0
M-250	09/12/17	139	149	UMCf-fg1	na (1)	0.64	6.2	<0.070	0.010	0.90	21	<0.015	1.1	0.00212	0.0514	**0.257 J+**	---	<5.0
M-252	08/25/17	132	142	UMCf-fg1	na (1)	<0.25	10.8	<0.070	**0.019 J**	0.93	19	<0.015	1.3	0.00229	0.0728	**0.179 J+**	---	<5.0
M-254	08/30/17	138	148	UMCf-fg1	na (1)	<0.25	7.5	<0.070	**0.017**	0.93	18 J-	<0.015	1.2	0.00203	0.151	0.0951	---	<5.0
M-257	08/31/17	140	150	UMCf-fg1	na (1)	<0.25	7.1	<0.070	**0.021 J**	0.73	15	<0.015	1.2	0.00218	0.0259	**0.169 J+**	---	<5.0
M-258	08/22/17	140	150	UMCf-fg1	na (1)	0.33 J	7.5	<0.070	**0.017**	0.68	13	<0.015	0.94	0.00203	0.150	**0.320 J**	---	<5.0
TR-1	09/03/99	282	312	UMCf-cg2	na (1)	1.6	4.4	<0.070	**0.022**	0.85	22	<0.010	1.5	0.0026	-0.0101 U	**0.212 J**	---	---
TR-2	09/09/99	145	175	UMCf-fg1	na (1)	1.1	5.8	<0.070	**0.024**	0.80	18	<0.010	1.2	0.0031	**0.188**	0.0626 U	---	---
TR-3	09/12/99	220	250	UMCf-cg2	na (1)	0.42 J	4	<0.070	**0.023**	0.83	19	<0.010	1.4	0.0019	0.115 U	0.169 U	---	---
TR-5	09/22/99	221	251	UMCf-cg2	na (1)	1.6	4.4 J+	<0.070	**0.022**	0.77	22	<0.010	1.4	0.0024	0.00123 U	0.0690 U	---	---
TR-7	09/27/99	260	290	UMCf-cg2	na (1)	0.39 J	4.4	<0.070	**0.040**	0.57	22	<0.010	1.1	0.0025	-0.0277 U	**0.169 J**	---	---
TR-9	10/07/99	230	250	UMCf-cg2	na (1)	0.32 J	5.3	<0.070	**0.045**	0.49	21	<0.010	1.2	0.0024 J+	0.117 U	0.134 U	---	---
TR-11	10/11/99	210	230	UMCf-cg2	na (1)	0.38 J	4.4	<0.070	**0.032**	0.70	24	<0.010	2.0	0.003	0.0717 U	**0.244 J**	---	---

Notes:

µg/L: micrograms per liter (parts per billion)

mg/L: milligrams per liter (parts per million)

GW table: Groundwater table

NA: not available

na (1): not applicable; deeper well screened below the water table.

nm: not measured

"---" means the analyte was not tested.

bold value: Concentrations above the screening criteria.

1. If a field duplicate sample was taken on the date sampled, the higher of the two concentrations is shown in this table for each chemical.

Data Qualifiers:

J = Estimated value

J- = Estimated value, potential negative bias

J+ = Estimated value, potential positive bias

UJ = The analyte was not detected, and the detection limit is an estimated quantity.

U = Detected radionuclide concentration below minimum detectable concentration

TABLE 7-7a. OU-1 SOIL GAS RESULTS, 5 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-10		RISG-11		RISG-12		RISG-13		RISG-14		RISG-15		RISG-20		RISG-21		RISG-22		RISG-23		RISG-24		RISG-25	
			5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs	
			3/08/2019	11/05/2019	3/06/2019	11/05/2019	3/07/2019	11/07/2019	3/22/2019	11/07/2019	3/11/2019	11/06/2019	3/11/2019	11/06/2019	3/14/2019	1/21/2020	3/11/2019	11/07/2019	3/22/2019	11/07/2019	3/08/2019	11/07/2019	3/07/2019	11/05/2019	3/08/2019	11/04/2019
Acetone	512,000,000	µg/m³	<230	<26	<16	<26	**130 J-**	<22	**12 J**	<11	74 UJ	<31	**18 J**	<33	**22 J**	<7.4	**23 J**	<6.9	<10	<13	**42**	<3.5	**79**	**10 J**	**34**	**17 J**
Acrolein	321	µg/m³	--	ND	--	ND	--	ND	--	<19	--	ND	--	<11	--	ND	--	<20	--	<4.4	--	<10	--	<10	--	<9.6
Acrylonitrile	651	µg/m³	--	<82	--	<81	--	<71	--	<1.0	--	<99	--	<7.2	--	<20	--	<19	--	<2.8	--	<9.5	--	<0.52	--	<0.50
Benzene	7,120	µg/m³	<140	<3.8	<9.6	<3.8	17 UJ	<3.3	<5.2	**0.52 J**	44 UJ	**7.4 J**	<6.5	<3.2	<2.8	<1.7	<1.3	<1.6	<6.2	<1.2	<1.3	<0.83	<1.3	**0.39 J**	<1.3	**0.27 J**
Benzyl chloride	1,560	µg/m³	<470	<9.3	<32	<9.2	56 UJ	<8.1	<17	4.2 UJ	150 UJ	<11	<22	<4.0	<9.2	<1.9	<4.2	<1.8	<21	<1.6	<4.2	<0.90	<4.2	2.1 UJ	<4.2	2.0 UJ
Bromodichloromethane	2,320	µg/m³	<240	<6.3	<17	<6.3	29 UJ	<5.5	<9.2	<4.2	78 UJ	**24 J**	<11	**9.4 J**	<4.8	<4.5	<2.2	<4.2	<11	<2.0	<2.2	<2.1	<2.2	<2.2	<2.2	<2.1
Bromoform	120,000	µg/m³	<400	<7.4	**31 J**	<7.3	48 UJ	<6.4	<15	<7.5	130 UJ	<9.0	<19	**44 J**	<7.9	<4.5	<3.6	<4.2	<18	<1.7	<3.6	<2.1	<3.6	<3.8	<3.6	<3.7
2-Butanone	95,400,000	µg/m³	<320	<27	<22	<27	39 UJ	<23	<12	<2.8	100 UJ	<33	<15	<9.6	<6.4	<5.5	**3.0 J**	<5.2	<14	<3.7	<2.9	<2.6	<2.9	<1.4	**3.5 J**	<1.4
Carbon disulfide	11,800,000	µg/m³	<130	<17	<9.2	<17	16 UJ	<15	<5.0	<6.1	43 UJ	<21	**29 J**	<52	**8.5 J**	<4.9	**48**	<4.6	**10 J**	<20	**9.9 J**	<2.4	**24**	<3.2	**5.1 J**	<3.0
Carbon tetrachloride	14,100	µg/m³	<220	**12 J**	**450**	**380**	**3,600 J-**	**1,800**	**12 J**	**5.6**	71 UJ	<7.5	<10	<5.1	<4.4	**2.6**	**3.3 J**	**1.1 J**	**23 J**	**15 J**	**2.5 J**	**3.2**	**8.2 J**	**5.5**	**8.7 J**	**8.9**
Chlorobenzene	1,210,000	µg/m³	<160	<5.3	**52**	<5.2	20 UJ	<4.6	<6.1	<2.1	52 UJ	<6.4	<7.6	<2.1	<3.2	<2.2	<1.5	<2.1	<7.2	<0.81	<1.5	<1.0	<1.5	<1.1	<1.5	<1.0
Chloroethane	173,000,000	µg/m³	<450	<23	<31	<23	54 UJ	<20	<17	<0.17	140 UJ	<28	<21	<14	<8.9	<0.36	<4.1	<0.34	<20	<5.5	<4.1	<0.17	<4.1	<0.087	**63**	**89**
Chloroform	2,780	µg/m³	**75,000**	**18,000**	**18,000**	**18,000**	**25,000 J-**	**17,000**	**3,500**	**2,200**	**35,000 J-**	**33,000**	**8,600**	**7,200**	**2,800**	**3,000**	**1,400**	**1,200**	**4,800**	**3,700**	**240**	**700**	**680**	**550**	**410**	**510**
Chloromethane	1,330,000	µg/m³	<230	<14	<15	<14	27 UJ	<12	<8.4	<0.37	71 UJ	<17	<10	12 UJ	<4.5	<0.45	<2.0	<0.42	<10	4.8 UJ	<2.0	<0.22	<2.0	**0.23 J**	<2.0	<0.18
Cyclohexane	132,000,000	µg/m³	--	<3.8	--	<3.7	--	<3.3	--	<2.1	--	<4.6	--	<4.3	--	<1.7	--	<1.6	--	<1.7	--	<0.82	--	<1.1	--	**1.3 J**
1,2-Dibromo-3-chloropropane	24	µg/m³	--	<360	--	<360	--	<320	--	<82	--	<440	--	14 UJ	--	<89	--	<83	--	5.4 UJ	--	<42	--	<42	--	<40
Dibromochloromethane	--	µg/m³	<370	<6.3	<26	<6.3	45 UJ	<5.5	<14	<4.2	120 UJ	**13 J**	<17	**14 J**	<7.4	<4.8	<3.4	<4.4	<17	<1.7	<3.4	<2.3	<3.4	<2.2	<3.4	<2.1
1,2-Dibromoethane	184	µg/m³	<320	<7.7	<22	<7.6	38 UJ	<6.7	<12	<1.2	100 UJ	<9.3	<15	<4.1	<6.3	<0.44	<2.9	<0.42	<14	<1.6	<2.9	<0.21	<2.9	<0.64	<2.9	<0.61
1,2-Dichlorobenzene	6,140,000	µg/m³	<430	<6.2	**36 J**	<6.2	52 UJ	<5.4	<16	6.9 UJ	140 UJ	<7.6	<20	<4.1	<8.6	<2.0	<3.9	<1.9	<19	<1.6	<3.9	<0.97	<3.9	3.6 UJ	<3.9	3.4 UJ
1,3-Dichlorobenzene	5,060,000	µg/m³	<370	<7.4	**49 J**	**7.6 J**	44 UJ	<6.4	<14	5.9 UJ	120 UJ	<8.9	<17	<2.1	<7.2	<3.8	**6.2 J**	<3.6	<16	<0.80	<3.3	<1.8	**9.7 J**	3.0 UJ	<3.3	2.9 UJ
1,4-Dichlorobenzene	7,970	µg/m³	<500	<6.7	**34 J**	<6.6	60 UJ	<5.8	<19	1.4 UJ	160 UJ	<8.1	<23	<4.2	<9.8	<1.2	<4.5	<1.2	<22	<1.6	<4.5	<0.60	<4.5	0.71 UJ	<4.5	0.68 UJ
Dichlorodifluoromethane	2,310,000	µg/m³	<400	<5.4	<27	<5.4	48 UJ	<4.7	<15	**1.8**	130 UJ	<6.6	<18	<3.8	<7.9	**2.6**	**4.3 J**	**2.6**	<18	**2.6 J**	**3.8 J**	**2.3**	<3.6	**1.6**	**4.6 J**	**2.0**
1,1-Dichloroethane	37,000	µg/m³	<160	**14 J**	<11	<6.7	19 UJ	<5.9	<6.0	**0.67 J**	51 UJ	<8.2	<7.5	<5.5	<3.2	<0.50	<1.5	<0.46	<7.2	<2.1	<1.5	<0.24	<1.5	**0.13 J**	**290**	**360**
1,2-Dichloroethane	2,220	µg/m³	<200	<7.0	<14	<7.0	24 UJ	<6.1	<7.4	<0.27	63 UJ	<8.5	<9.2	<3.0	<3.9	<0.27	<1.8	<0.25	<8.8	<1.2	<1.8	<0.13	<1.8	<0.14	**7.1 J**	**9.3**
1,1-Dichloroethene	4,100,000	µg/m³	<160	<5.9	<11	<5.8	19 UJ	<5.1	**570**	**310**	50 UJ	**16 J**	<7.4	<7.2	<3.1	**0.66 J**	<1.4	<0.54	**25 J**	**7.4 J**	<1.4	<0.28	<1.4	<0.10	<1.4	**0.42**
cis-1,2-Dichloroethene	802,000	µg/m³	<200	<7.7	<13	<7.6	23 UJ	<6.7	<7.3	<0.23	62 UJ	<9.4	<9.1	<4.9	<3.9	<0.51	<1.8	<0.48	<8.7	<1.9	<1.8	<0.24	<1.8	<0.12	<1.8	<0.11
trans-1,2-Dichloroethene	809,000	µg/m³	<220	<8.2	<15	<8.1	26 UJ	<7.1	<8.2	<0.21	70 UJ	<9.9	<10	<6.7	<4.3	<0.56	<2.0	<0.52	<9.8	<2.6	<2.0	<0.27	<2.0	<0.11	<2.0	**0.55 J**
1,2-Dichloropropane	18,100	µg/m³	<610	<7.8	<42	<7.7	74 UJ	<6.7	<23	<1.8	190 UJ	<9.4	<29	<7.0	<12	<2.0	<5.5	<1.9	<27	<2.7	<5.5	<0.98	<5.5	<0.90	<5.5	**0.88 J**
1,4-Dioxane	8,970	µg/m³	--	<38	--	<37	--	<33	--	<1.0	--	<46	--	<5.9	--	<3.5	--	<3.3	--	<2.3	--	<1.7	--	<0.52	--	<0.50
Ethanol	1,280,000,000	µg/m³	--	45 UJ	--	44 UJ	--	39 UJ	--	<3.4	--	54 UJ	--	12 UJ	--	<3.6	--	3.4 UJ	--	4.7 UJ	--	1.7 UJ	--	<1.8	--	<1.7
Ethyl acetate	1,490,000	µg/m³	--	<140	--	<130	--	<120	--	<31	--	<160	--	<6.1	--	<33	--	<31	--	<2.4	--	<16	--	<16	--	<15
Ethyl benzene	28,500	µg/m³	<150	<4.7	**25 J**	<4.6	18 UJ	<4.0	<5.7	<0.20	48 UJ	<5.7	<7.1	<4.1	**6.2 J**	<1.0	**1.7 J**	<0.98	<6.7	<1.6	<1.4	<0.50	<1.4	<0.10	<1.4	<0.097
4-Ethyltoluene	9,360,000	µg/m³	<510	<14	<35	<14	61 UJ	<12	<19	<2.2	160 UJ	<17	<24	<3.0	<10	<2.1	<4.6	<2.0	<23	<1.2	<4.6	<1.0	<4.6	<1.2	<4.6	<1.1
Freon 113	226,000,000	µg/m³	<690	<13	<48	<13	83 UJ	<11	<26	<8.7	220 UJ	<16	<32	<9.7	<14	<2.8	<6.2	<2.6	<31	<3.8	<6.2	<1.3	<6.2	<4.4	<6.2	<4.3
n-Heptane	11,300,000	µg/m³	--	<11	--	<11	--	<9.7	--	<3.2	--	<14	--	<4.3	--	<2.6	--	<2.4	--	<1.6	--	<1.2	--	<1.6	--	<1.6
Hexachlorobutadiene	8,010	µg/m³	<2,500	<90	<180	<89	310 UJ	<78	<95	14 UJ	810 UJ	<110	<120	<13	<50	<33	<23	<31	<110	<5.2	<23	<16	<23	7.0 UJ	<23	6.8 UJ
n-Hexane	16,800,000	µg/m³	--	<7.8	--	<7.7	--	<6.8	--	<3.8	--	<9.4	--	<7.6	--	<3.6	--	<3.4	--	<3.0	--	<1.7	--	<1.9	--	<1.9
2-Hexanone	735,000	µg/m³	<200	<53	<14	<52	24 UJ	<46	<7.4	3.0 UJ	63 UJ	<64	<9.2	<3.1	<3.9	<9.5	<1.8	<8.9	<8.8	<1.2	<1.8	<4.6	<1.8	1.5 UJ	<1.8	1.5 UJ
Methylene Chloride	5,020,000	µg/m³	<140	<23	<9.5	<23	17 UJ	<20	**6.6 J**	<5.5	44 UJ	<28	<6.5	<4.2	<2.7	**4.2 J**	**2.2 J**	<1.7	**6.4 J**	<1.6	<1.3	<0.88	**1.3 J**	<2.8	**12**	**14**
Methylmethacrylate	16,300,000	µg/m³	--	<150	--	<150	--	<130	--	<35	--	<190	--	<7.7	--	<38	--	<35	--	<3.0	--	<18	--	<18	--	<17
Naphthalene	2,350	µg/m³	--	<14	--	<14	--	<12	--	<0.54	--	<16	--	5.8 UJ	--	<0.82	--	<0.76	--	2.2 UJ	--	<0.39	--	<0.28	--	<0.27
4-Methyl-2-pentanone	74,400,000	µg/m³	<310	<8.7	<21	<8.6	37 UJ	<7.6	<11	<2.1	97 UJ	<11	<14	<15	<6.1	<1.8	<2.8	<1.7	<14	<5.8	<2.8	<0.89	<2.8	<1.1	<2.8	<1.0
Styrene	24,600,000	µg/m³	<140	<5.0	**20 J**	<4.9	17 UJ	<4.3	<5.2	<1.0	44 UJ	<6.0	<6.5	<2.3	<2.8	<0.84	<1.3	<0.79	<6.2	<0.89	<1.3	<0.40	<1.3	<0.52	<1.3	<0.50
1,1,1,2-Tetrachloroethane	13,500	µg/m³	--	<260	--	<260	--	<220	--	<1.7	--	<310	--	<4.2	--	<63	--	<59	--	<1.6	--	<30	--	<0.86	--	<0.82
1,1,2,2-Tetrachloroethane	1,680	µg/m³	<260	<9.2	**32 J**	<9.1	32 UJ	<8.0	<9.8	<0.37	83 UJ	<11	<12	<3.6	<5.2	<0.84	<2.4	<0.78	<12	<1.4	<2.4	<0.40	<2.4	<0.19	<2.4	<0.18
Tetrachloroethene	367,000	µg/m³	<190	**15 J**	**110**	**59 J**	**240 J-**	**110**	**8.9 J**	**7.5**	**160 J-**	**140**	**30 J**	**43 J**	**50**	**65**	**11 J**	**7.1**	**14 J**	**14 J**	<1.7	**1.8**	**59**	**31**	**130**	**220**
Tetrahydrofuran	35,500,000	µg/m³	--	<5.8	--	<5.7	--	<5.0	--	<3.3	--	<7.0	--	<1.9	--	<11	--	<10	--	<0.75	--	<5.2	--	<1.7	--	<1.6
Toluene	113,000,000	µg/m³	<110	<5.1	**12 J**	<5.1	13 UJ	<4.4	**4.2 J**	<0.41	34 UJ	<6.2	<5.0	<3.2	**5.8 J**	<1.0	**6.6 J**	<0.98	<4.7	<1.2	<0.96	**0.84 J**	<0.96	**0.35 J**	<0.96	**0.31 J**
1,2,4-Trichlorobenzene	85,800	µg/m³	<1,800	<96	<120	<95	210 UJ	<83	<67	11 UJ	570 UJ	<120	<83	<8.0	<35	<25	<16	23 UJ	<79	<3.1	<16	12 UJ	<16	5.8 UJ	<16	5.6 UJ
1,1,2-Trichloroethane	4,550	µg/m³	<200	<11	<14	<11	24 UJ	<9.4	<7.6	<0.35	64 UJ	<13	<9.4	<4.6	<4.0	<0.61	<1.8	<0.57	<9.0	<1.8	<1.8	<0.29	<1.8	<0.18	<1.8	<0.17
Trichloroethene	17,400	µg/m³	<310	<5.7	<21	<5.6	38 UJ	<4.9	**14 J**	**10**	99 UJ	**26 J**	<15	<5.4	**53**	**67**	<2.8	<1.2	**210**	**170**	<2.8	**6.1**	<2.8	**0.58 J**	**5.9 J**	**6.8**
Trichlorofluoromethane	--	µg/m³	**1,100 J**	**220**	**820**	**480**	**1,100 J-**	**580**	<23	<1.7	190 UJ	<9.9	<28	<7.3	<12	<2.1	<5.5	<2.0	<27	<2.8	<5.5	**1.0 J**	<5.5	**1.1 J**	<5.5	**2.2 J**
1,2,4-Trimethylbenzene	1,710,000	µg/m³	<440	<23	<30	<22	53 UJ	<20	<16	<2.4	140 UJ	<27	<21	<6.3	<8.7	<2.0	<4.0	<1.8	<20	<2.4	<4.0	<0.94	<4.0	<1.2	<4.0	<1.2
1,3,5-Trimethylbenzene	1,730,000	µg/m³	<340	<39	<23	<39	41 UJ	<34	<13	<2.1	110 UJ	<48	<16	<5.0	<6.7	<1.8	**3.2 J**	<1.7	<15	<1.9	<3.1	<0.86	<3.1	<1.1	<3.1	<1.0
Vinyl acetate	4,160,000	µg/m³	<280	<43	<19	<43	34 UJ	<38	<11	<2.8	90 UJ	<52	<13	<18	<5.6	<15	<2.6	<14	<13	<6.9	<2.6	<7.3	<2.6	<1.4	<2.6	<1.4
Vinyl chloride	10,700	µg/m³	<170	<10	<12	<9.9	20 UJ	<8.7	<6.3	<0.11	54 UJ	<12	<7.9	<3.4	<3.4	<0.36	<1.5	<0.34	<7.5	<1.3	<1.5	<0.17	<1.5	<0.058	<1.5	**0.086 J**
m,p-Xylene	2,550,000	µg/m³	<240	<5.0	**56 J**	<4.9	29 UJ	<4.3	<9.0	<0.15	76 UJ	<6.0	<11	<4.0	**32 J**	<1.9	**7.0 J**	<1.8	<11	<1.6	<2.2	<0.90	<2.2	**0.23 J**	<2.2	**0.30 J**
o-Xylene	2,550,000	µg/m³	<130	<8.7	**27 J**	<8.6	16 UJ	<7.5	<4.9	<0.15	41 UJ	<10	<6.0	<2.6	**11 J**	<0.36	**2.7 J**	<0.33	<5.8	<0.99	<1.2	<0.17	<1.2	<0.078	<1.2	**0.17 J**

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.

TABLE 7-7a. OU-1 SOIL GAS RESULTS, 5 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-26		RISG-31		RISG-32		RISG-33			RISG-34		RISG-79	RISG-80	RISG-81	RISG-82	RISG-83	RISG-84	RISG-85	RISG-86	RISG-87	RISG-88	RISG-89	RISG-90
			5 ft bgs		5 ft bgs		5 ft bgs		5 ft bgs			5 ft bgs		5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs
			3/07/2019	11/05/2019	3/13/2019	11/14/2019	3/13/2019	11/14/2019	3/13/2019	3/13/2019 (FD)	11/14/2019	3/13/2019	11/14/2019	12/17/2019	11/15/2019	11/18/2019	11/18/2019	11/15/2019	11/15/2019	11/19/2019	12/02/2019	11/19/2019	12/18/2019	1/21/2020	12/17/2019
Acetone	512,000,000	µg/m³	**58 J**	<19	**19 J**	**5.8**	**12 J**	**5.0**	**16 J**	**8.7 J**	**4.0 J**	**5.9 J**	**3.1 J**	**18 J**	**58 J**	**17 J**	**25 J**	**130 J**	<60	**31 J**	<29	**16**	**15**	**15 J**	**30**
Acrolein	321	µg/m³	--	<6.4	--	ND	--	ND	--	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	651	µg/m³	--	<4.1	--	<1.9	--	<1.7	--	--	<9.4	--	<2.0	<0.91	<81	<19	<34	<85	<140	<18	<75	<2.2	<0.18	<18	<0.24
Benzene	7,120	µg/m³	<5.4	<1.8	<1.3	**0.23 J**	<1.3	**0.039 J**	<1.3	<1.3	**0.91 J**	<1.3	**0.055 J**	**1.2 J**	<4.2	**2.6 J**	<2.2	<5.6	<9.0	**2.1 J**	<8.8	**2.0**	**0.74**	<1.6	**1.3**
Benzyl chloride	1,560	µg/m³	<18	<2.3	<4.2	<0.16	<4.2	<0.14	<4.2	<4.2	<0.79	<4.2	<0.16	<3.7	<11	<1.6	<1.2	<3.0	<4.9	<1.5	<15	<0.18	<0.74	<1.7	<0.96
Bromodichloromethane	2,320	µg/m³	<9.4	<2.9	<2.2	<0.19	<2.2	<0.17	<2.2	<2.2	<0.95	<2.2	<0.20	<3.8	<6.3	**2.5 J**	<3.1	<7.9	<13	**5.5 J**	**41 J**	**3.2**	<0.75	**4.5 J**	<0.97
Bromoform	120,000	µg/m³	<15	<2.5	<3.6	<0.26	<3.6	<0.24	<3.6	<3.6	<1.3	<3.6	<0.27	<6.7	<13	<2.7	<4.8	<12	<20	<2.6	<30	<0.30	<1.3	<4.0	<1.7
2-Butanone	95,400,000	µg/m³	<12	<5.4	<2.9	**0.72 J**	<2.9	**0.48 J**	<2.9	<2.9	<1.7	<2.9	**0.55 J**	<2.5	<27	<3.6	<11	<27	<44	<3.4	<21	**5.1**	**1.6 J**	<5.0	**2.3 J**
Carbon disulfide	11,800,000	µg/m³	**11 J**	<30	**12 J**	**1.5 J**	**14**	<0.44	**11 J**	**5.9 J**	<2.4	**4.9 J**	<0.49	<5.5	<18	**17 J**	**15 J**	<18	<29	**14 J**	<16	**20**	**8.5**	<4.4	**15**
Carbon tetrachloride	14,100	µg/m³	**1,100**	**520**	<2.0	**0.42**	<2.0	**0.51**	<2.0	<2.0	**0.43 J**	<2.0	**0.48**	**200**	<14	**1.6 J**	**38**	<8.6	**2,200**	**3.2**	**34 J**	**1.6**	**2.1**	**4.5**	**0.99**
Chlorobenzene	1,210,000	µg/m³	**13 J**	<1.2	<1.5	**0.56 J**	<1.5	<0.062	<1.5	<1.5	**2.5 J**	<1.5	**0.20 J**	<1.9	<12	**1.3 J**	**2.0 J**	<4.5	<7.2	<0.66	<13	**0.55 J**	<0.37	<2.0	<0.48
Chloroethane	173,000,000	µg/m³	<17	<8.0	**16**	**17**	<4.1	**0.98**	**57**	**56**	**49**	**15**	**11**	<0.15	**42 J**	**0.21 J**	<4.9	**39 J**	<20	**0.27 J**	**35 J**	**0.064 J**	**0.22 J**	<0.32	<0.039
Chloroform	2,780	µg/m³	**7,700**	**5,600**	<2.3	**1.8**	**24**	**15**	**980**	**1,000**	**530**	**36**	**30**	**1,100**	**21,000**	**110**	**4,400**	**14,000**	**23,000**	**1,700**	**11,000**	**18**	**17**	**1,600**	**3.1**
Chloromethane	1,330,000	µg/m³	<8.6	7.0 UJ	<2.0	**0.19 J**	<2.0	<0.12	<2.0	<2.0	<0.68	<2.0	<0.14	<0.33	<16	1.4 UJ	<5.1	<13	<21	1.3 UJ	<40	**0.19 J-**	**0.065 J**	<0.41	**0.14 J**
Cyclohexane	132,000,000	µg/m³	--	<2.4	--	**0.41 J**	--	**0.088 J**	--	--	**9.0**	--	**0.26 J**	<1.9	<7.1	<0.98	**2.4 J**	<5.4	<8.7	<0.93	<12	**1.4**	<0.38	<1.5	<0.49
1,2-Dibromo-3-chloropropane	24	µg/m³	--	8.0 UJ	--	<8.4	--	<7.7	--	--	<42	--	<8.7	<73	<360	<86	<19	<48	<76	<82	<330	<9.7	<14	<80	<19
Dibromochloromethane	--	µg/m³	<14	<2.4	<3.4	<0.14	<3.4	<0.13	<3.4	<3.4	<0.73	<3.4	<0.15	<3.8	<16	<1.5	<6.6	<17	<27	**1.5 J**	<28	**0.64 J**	<0.76	<4.3	<0.98
1,2-Dibromoethane	184	µg/m³	<12	<2.3	<2.9	<0.026	<2.9	<0.024	<2.9	<2.9	<0.13	<2.9	<0.027	<1.1	<13	<0.27	<3.6	<9.0	<14	<0.25	<26	<0.030	<0.22	<0.40	<0.28
1,2-Dichlorobenzene	6,140,000	µg/m³	<17	<2.3	<3.9	<0.16	<3.9	<0.14	<3.9	**4.8 J**	**4.9 J**	<3.9	<0.16	6.2 UJ	<14	<1.6	<2.8	<7.1	<11	<1.5	<23	**0.20 J**	1.2 UJ	<1.8	1.6 UJ
1,3-Dichlorobenzene	5,060,000	µg/m³	<14	<1.2	<3.3	**0.25 J**	<3.3	<0.20	<3.3	**8.1 J**	**12**	<3.3	<0.23	<5.2	<8.6	**3.9 J**	<2.8	<7.0	<11	<2.2	<21	<0.26	**2.6**	<3.4	**6.4**
1,4-Dichlorobenzene	7,970	µg/m³	<19	<2.4	<4.5	<0.11	<4.5	<0.10	<4.5	<4.5	**2.0**	<4.5	<0.12	1.2 UJ	<9.6	<1.2	<2.8	<7.1	<11	<1.1	<22	**0.19 J**	0.24 UJ	<1.1	0.32 UJ
Dichlorodifluoromethane	2,310,000	µg/m³	<15	<2.2	**3.8 J**	**1.8 J-**	**3.7 J**	**1.9 J-**	**4.1 J**	**4.2 J**	**1.9 J-**	**4.1 J**	**1.8 J-**	**2.3**	<10	**1.8 J-**	<2.7	<6.8	<11	**1.8 J-**	<16	**1.7 J-**	**2.0**	**2.6**	**2.2**
1,1-Dichloroethane	37,000	µg/m³	<6.2	<3.1	<1.5	**0.40**	**6.3**	**4.2**	**150**	**160**	**170**	<1.5	**0.46**	**0.27 J**	**140**	**0.14 J**	<3.4	**71**	<14	**0.81 J**	<13	**0.23**	**6.2**	<0.44	**0.47**
1,2-Dichloroethane	2,220	µg/m³	<7.6	<1.7	<1.8	**1.0**	<1.8	**0.015 J**	**17**	**17**	**17**	<1.8	**0.63**	<0.24	**71**	**0.21 J**	<5.6	**20 J**	<23	<0.085	<18	**0.063 J**	<0.048	<0.24	**0.063 J**
1,1-Dichloroethene	4,100,000	µg/m³	<6.1	<4.1	<1.4	**0.31**	<1.4	<0.014	**1.8 J**	**1.7 J**	**1.3**	<1.4	**0.036 J**	**2.9**	<5.0	**0.53 J**	**15 J**	<12	<19	**58**	**4,700**	**38**	**35**	<0.52	**250**
cis-1,2-Dichloroethene	802,000	µg/m³	<7.5	<2.8	<1.8	**2.2**	<1.8	<0.0072	<1.8	<1.8	<0.039	<1.8	<0.0081	<0.20	<11	<0.081	<3.1	<7.8	<12	<0.077	<9.6	<0.0090	<0.040	<0.46	<0.052
trans-1,2-Dichloroethene	809,000	µg/m³	<8.4	<3.8	<2.0	**0.12 J**	<2.0	<0.0079	<2.0	<2.0	**0.44 J**	<2.0	<0.0088	<0.19	<14	<0.088	<5.8	<15	<24	<0.084	<10	<0.0098	<0.038	<0.50	<0.049
1,2-Dichloropropane	18,100	µg/m³	<24	<4.0	<5.5	<0.14	<5.5	<0.14	<5.5	<5.5	<0.73	<5.5	<0.15	<1.6	<11	<1.5	<4.7	<12	<19	<1.4	<24	<0.17	<0.31	<1.8	<0.40
1,4-Dioxane	8,970	µg/m³	--	<3.4	--	<0.12	--	<0.11	--	--	<0.59	--	<0.12	<0.91	<37	<1.2	<8.1	<20	<33	<1.2	<66	**0.23 J**	<0.18	<3.2	<0.23
Ethanol	1,280,000,000	µg/m³	--	7.0 UJ	--	**0.71 J**	--	**0.52 J**	--	--	<1.8	--	**0.52 J**	**10 J+**	**96**	**5.0 J-**	<8.0	<20	<32	**8.7 J-**	<44	**2.1 J-**	**7.6 J+**	**9.2 J**	**4.2 J+**
Ethyl acetate	1,490,000	µg/m³	--	<3.5	--	<3.1	--	<2.9	--	--	<16	--	<3.2	<27	<130	<32	<56	<140	<230	<31	<120	<3.6	<5.4	<30	<7.1
Ethyl benzene	28,500	µg/m³	<5.8	<2.3	<1.4	**0.014 J**	<1.4	<0.0080	<1.4	<1.4	<0.044	<1.4	**0.025 J**	**0.51 J**	<8.1	**5.2**	<3.4	<8.5	<14	**0.74 J**	<15	**0.67**	**0.25 J**	<0.94	**0.46**
4-Ethyltoluene	9,360,000	µg/m³	<20	<1.7	<4.6	<0.094	<4.6	<0.086	<4.6	<4.6	<0.47	<4.6	<0.097	2.0 UJ	<14	**290**	<3.0	<7.7	<12	<0.92	<11	**2.3**	**0.46 J**	<1.9	**0.78 J**
Freon 113	226,000,000	µg/m³	<27	<5.5	<6.2	**0.51 J**	<6.2	**0.53 J**	<6.2	<6.2	<1.1	<6.2	**0.56 J**	<7.7	<13	<2.2	<4.2	<10	<17	<2.1	<32	**0.55 J**	<1.5	<2.5	<2.0
n-Heptane	11,300,000	µg/m³	--	<2.4	--	<0.30	--	<0.28	--	--	<1.5	--	<0.31	<2.8	<13	<3.1	<4.1	<10	<17	<2.9	<11	<0.34	<0.56	<2.3	<0.73
Hexachlorobutadiene	8,010	µg/m³	<98	<7.6	<23	<1.3	<23	<1.2	<23	<23	**12 J**	<23	<1.4	**16 J**	250 UJ	<14	<31	<77	<120	<13	<46	<1.5	<2.4	<30	<3.2
n-Hexane	16,800,000	µg/m³	--	<4.4	--	<0.60	--	<0.55	--	--	<3.0	--	<0.62	<3.4	<8.1	<6.2	<1.4	<3.4	<5.6	<5.8	<12	**0.92 J**	<0.67	<3.3	<0.87
2-Hexanone	735,000	µg/m³	<7.6	<1.8	<1.8	<0.27	<1.8	<0.25	<1.8	<1.8	<1.3	<1.8	<0.28	2.6 UJ	<57	<2.8	<7.0	<18	<28	<2.6	<34	<0.31	0.53 UJ	<8.6	0.68 UJ
Methylene Chloride	5,020,000	µg/m³	<5.3	<2.4	**23**	**35**	<1.3	<0.93	**8.3**	**7.7**	**7.2**	**5.5 J**	**4.2**	<4.9	**50 J**	<10	<9.2	<23	<37	<9.9	**30 J**	<1.2	<0.98	<1.7	<1.3
Methylmethacrylate	16,300,000	µg/m³	--	<4.4	--	<3.5	--	<3.3	--	--	<18	--	<3.7	<31	<150	<37	<160	<400	<640	<35	<350	<4.1	<6.2	<34	<8.0
Naphthalene	2,350	µg/m³	--	3.3 UJ	--	<0.14	--	<0.13	--	--	<0.69	--	<0.14	<0.49	<15	**26**	<1.6	<4.1	<6.6	<1.4	<4.5	**0.47 J**	**0.15 J**	**2.4 J+**	**0.21 J**
4-Methyl-2-pentanone	74,400,000	µg/m³	<12	<8.5	<2.8	<0.050	<2.8	<0.046	<2.8	<2.8	<0.25	<2.8	<0.052	<1.9	<19	<0.52	<6.4	<16	<26	<0.49	<13	<0.058	<0.38	<1.7	<0.49
Styrene	24,600,000	µg/m³	<5.3	<1.3	<1.3	<0.11	<1.3	<0.10	<1.3	<1.3	<0.56	<1.3	<0.11	<0.91	<7.6	<1.1	<3.0	<7.5	<12	<1.1	<10	<0.13	<0.18	<0.76	**0.46 J**
1,1,1,2-Tetrachloroethane	13,500	µg/m³	--	<2.4	--	<5.9	--	<5.5	--	--	<30	--	<6.2	<1.5	<260	<61	<110	<270	<430	<58	<240	<6.9	<0.30	<57	<0.38
1,1,2,2-Tetrachloroethane	1,680	µg/m³	<10	<2.0	<2.4	<0.054	<2.4	<0.050	<2.4	<2.4	<0.27	<2.4	<0.056	<0.33	<10	<0.56	<4.3	<11	<17	<0.53	<26	<0.062	<0.066	<0.75	<0.086
Tetrachloroethene	367,000	µg/m³	**28 J**	**11 J**	<1.7	**0.55**	**31**	**25**	**170**	**200**	**110**	**16**	**14**	**190**	**66**	**19**	**40**	**62 J**	**220**	**16**	**370**	**14**	**270**	**15**	**6.9**
Tetrahydrofuran	35,500,000	µg/m³	--	<1.1	--	**0.40 J**	--	<0.34	--	--	<1.8	--	<0.38	<2.9	<9.8	<3.8	**6.8 J**	<10	<17	<3.6	<14	**1.5 J**	<0.58	<9.7	<0.75
Toluene	113,000,000	µg/m³	<4.1	<1.8	<0.96	**0.088 J**	<0.96	**0.036 J**	<0.96	**1.1 J**	**0.097 J**	**1.9 J**	**0.044 J**	**1.3 J**	<6.3	**12**	**10 J**	**14 J**	<5.9	**6.3**	<10	**16**	**1.3**	**1.6 J**	**4.1**
1,2,4-Trichlorobenzene	85,800	µg/m³	<68	<4.6	<16	<1.3	<16	<1.2	<16	<16	**21 J**	<16	<1.3	<10	<110	<13	<18	<45	<72	<12	<49	<1.5	<2.0	<22	<2.6
1,1,2-Trichloroethane	4,550	µg/m³	<7.8	<2.6	<1.8	**0.032 J**	<1.8	<0.015	**3.3 J**	**3.5 J**	<0.084	<1.8	**0.53**	<0.31	<18	<0.17	<4.2	<11	<17	<0.16	<21	<0.019	<0.061	<0.55	<0.080
Trichloroethene	17,400	µg/m³	<12	<3.1	**11**	**22**	<2.8	**0.71**	**65**	**71**	**55**	**8.5 J**	**0.18 J**	**13**	<15	**1.5 J**	**260**	<5.3	<8.5	**5.5**	**270**	**21**	**5.6**	<1.2	**23**
Trichlorofluoromethane	--	µg/m³	<23	<4.2	<5.5	**1.2**	<5.5	**1.3**	<5.5	<5.5	**1.3 J**	<5.5	**1.2**	<1.5	<7.8	**1.3 J**	**2.1 J**	<4.4	**130**	**1.3 J**	<16	**1.4**	**2.8**	<1.9	**1.8 J**
1,2,4-Trimethylbenzene	1,710,000	µg/m³	<17	<3.6	<4.0	<0.062	<4.0	<0.057	<4.0	<4.0	<0.31	<4.0	<0.064	<2.2	<8.7	**570**	<2.3	<5.8	<9.3	**0.63 J**	<14	<0.072	**0.47 J**	<1.8	**0.88 J**
1,3,5-Trimethylbenzene	1,730,000	µg/m³	<13	<2.8	<3.1	<0.088	<3.1	<0.081	<3.1	<3.1	<0.44	<3.1	<0.091	<1.9	<7.6	**170**	<2.3	<5.8	<9.3	<0.86	<19	**3.1**	<0.38	<1.6	<0.49
Vinyl acetate	4,160,000	µg/m³	<11	<10	<2.6	<0.60	<2.6	<0.55	<2.6	<2.6	<3.0	<2.6	<0.62	<2.5	<34	<6.2	<12	<32	<51	<5.9	<33	<0.69	<0.49	<14	<0.64
Vinyl chloride	10,700	µg/m³	<6.5	<1.9	<1.5	**0.19**	<1.5	<0.0060	<1.5	<1.5	**0.086 J**	<1.5	<0.0067	<0.10	<8.3	<0.067	<2.0	<5.0	<8.0	<0.063	<8.8	**0.0098 J**	<0.020	<0.32	<0.026
m,p-Xylene	2,550,000	µg/m³	<9.2	<2.3	<2.2	**0.032 J**	<2.2	**0.029 J**	<2.2	**3.3 J**	**0.21 J**	**3.6 J**	**0.048 J**	**2.3 J**	<7.6	**110**	**4.8 J**	**7.6 J**	<8.2	**1.3 J**	<9.8	**1.2**	**0.92**	<1.7	**1.2**
o-Xylene	2,550,000	µg/m³	<5.0	<1.5	<1.2	**0.018 J**	<1.2	**0.012 J**	<1.2	**1.8 J**	**0.17 J**	**1.5 J**	**0.018 J**	**0.95 J**	<11	**61**	<3.7	<9.4	<15	**1.1 J**	<12	**1.1**	**0.52**	**0.63 J**	**1.0**

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.

TABLE 7-7b. OU-1 SOIL GAS RESULTS, 10 - 15 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-10		RISG-11		RISG-12		RISG-13		RISG-14			RISG-15		RISG-16		RISG-17		RISG-18		RISG-19		RISG-20	
			15 ft bgs		15 ft bgs		15 ft bgs		15 ft bgs		15 ft bgs			15 ft bgs		13 ft bgs*		13 ft bgs*		13 ft bgs*		13 ft bgs*		15 ft bgs	
			3/08/2019	11/05/2019	3/07/2019	11/05/2019	3/07/2019	11/07/2019	3/22/2019	11/07/2019	3/11/2019	3/11/2019 (FD)	11/06/2019	3/11/2019	11/06/2019	3/14/2019	11/06/2019	3/14/2019	11/06/2019	3/14/2019	11/06/2019	3/14/2019	11/06/2019	3/14/2019	3/14/2019 (FD)
Acetone	1,580,000,000	µg/m³	<2,100	<85	**90 J**	<24	**170 J**	<33	<27	<38	**260 J-**	**270 J-**	**150 J**	67 UJ	<48	<100	<30	<480	**110 J**	<58	<64	<170	<58	**18 J**	**15 J**
Acrolein	993	µg/m³	--	ND	--	ND	--	ND	--	<13	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	--
Acrylonitrile	2,010	µg/m³	--	<270	--	<77	--	<110	--	<8.2	--	--	<250	--	<150	--	<94	--	<340	--	<200	--	<180	--	--
Benzene	22,300	µg/m³	<1,200	<12	<17	<3.6	<19	<4.9	<16	<3.7	61 UJ	56 UJ	<11	40 UJ	<7.1	<62	<4.4	<280	<17	<35	<9.4	<100	<8.5	<4.7	<6.3
Benzyl chloride	4,960	µg/m³	<4,200	<31	<57	<8.8	<63	<12	<54	<4.6	200 UJ	190 UJ	<28	130 UJ	<17	<210	<11	<950	<47	<120	<23	<340	<21	<16	<21
Bromodichloromethane	7,410	µg/m³	<2,200	<21	<30	<6.0	<33	<8.2	<28	**12 J**	110 UJ	97 UJ	**59 J**	**72 J-**	**96 J**	<110	**22 J**	<500	**250 J**	<61	**39 J**	<180	**62 J**	<8.2	<11
Bromoform	388,000	µg/m³	<3,600	<24	<49	<7.0	<54	<9.6	<46	<5.1	180 UJ	160 UJ	**55 J**	110 UJ	**38 J**	<180	**18 J**	<810	**67 J**	<99	<18	<290	**25 J**	<13	<18
2-Butanone	298,000,000	µg/m³	<2,900	<89	<40	<25	<44	<35	<37	<11	140 UJ	130 UJ	<81	92 UJ	<50	<150	<31	<660	<110	<81	<66	<240	<60	<11	<15
Carbon disulfide	36,700,000	µg/m³	<1,200	<57	<16	<16	<18	<22	<15	<60	59 UJ	**71 J-**	<52	**78 J-**	<32	<60	<20	<270	<73	<33	<42	<98	<38	<4.5	<6.1
Carbon tetrachloride	45,000	µg/m³	<2,000	**29 J**	**580**	**620**	**5,700**	**5,500**	<26	**23 J**	97 UJ	89 UJ	<19	63 UJ	<12	<100	<7.1	<450	<58	<55	<15	<160	<14	<7.5	<10
Chlorobenzene	3,840,000	µg/m³	<1,500	<17	<20	<5.0	<22	<6.9	<19	<2.4	71 UJ	65 UJ	<16	46 UJ	<9.9	<73	<6.1	**2,000**	<48	<41	<13	<120	<12	<5.5	<7.4
Chloroethane	538,000,000	µg/m³	<4,000	<77	<55	<22	<61	<30	<52	<16	200 UJ	180 UJ	<71	130 UJ	<44	<200	<27	<910	<120	<110	<58	<330	<52	<15	<20
Chloroform	8,770	µg/m³	**850,000**	**92,000**	**25,000**	**32,000**	**46,000 J-**	**51,000**	**7,000**	**10,000**	**56,000 J-**	**60,000 J-**	**89,000**	**33,000 J-**	**45,000**	**43,000**	**35,000**	**220,000**	**230,000**	**12,000**	**72,000**	**100,000**	**78,000**	**5,200**	**5,900**
Chloromethane	4,070,000	µg/m³	<2,000	<47	<27	<13	<31	<18	<26	14 UJ	98 UJ	89 UJ	<43	64 UJ	<27	<100	<16	<460	<67	<56	<35	<160	<32	<7.6	<10
Cyclohexane	416,000,000	µg/m³	--	<12	--	**18 J**	--	<4.9	--	<4.9	--	--	<11	--	<7.0	--	<4.3	--	<30	--	<9.3	--	<8.4	--	--
1,2-Dibromo-3-chloropropane	77.7	µg/m³	--	<1,200	--	<340	--	<470	--	16 UJ	--	--	<1,100	--	<680	--	<420	--	<1,500	--	<900	--	<820	--	--
Dibromochloromethane	--	µg/m³	<3,300	<21	<45	<6.0	<50	<8.2	<43	**11 J**	160 UJ	150 UJ	**69 J**	110 UJ	**70 J**	<170	**16 J**	<760	**96 J**	<93	<16	<270	**30 J**	<13	<17
1,2-Dibromoethane	593	µg/m³	<2,900	<25	<39	<7.2	<43	<10	<37	<4.7	140 UJ	130 UJ	<23	91 UJ	<14	<140	<8.8	<650	<52	<79	<19	<230	<17	<11	<14
1,2-Dichlorobenzene	19,600,000	µg/m³	<3,900	<21	<53	<5.9	<59	<8.1	<50	<4.7	190 UJ	170 UJ	<19	120 UJ	<12	<190	<7.2	<880	<56	<110	<15	<310	<14	<15	<20
1,3-Dichlorobenzene	16,000,000	µg/m³	<3,300	<24	<45	**9.2 J**	<50	<9.6	<42	<2.4	160 UJ	150 UJ	<22	100 UJ	<14	<160	<8.5	<740	<36	<91	<18	<270	<16	<12	<17
1,4-Dichlorobenzene	25,500	µg/m³	<4,400	<22	<60	<6.3	<67	<8.7	<57	<4.8	220 UJ	200 UJ	<20	140 UJ	<12	<220	<7.7	<1,000	<40	<120	<16	<360	<15	<17	<22
Dichlorodifluoromethane	7,290,000	µg/m³	<3,500	<18	<48	<5.1	<54	<7.0	<46	<4.3	170 UJ	160 UJ	<16	110 UJ	<10	<180	<6.2	<810	<42	<99	<13	<290	<12	<13	<18
1,1-Dichloroethane	116,000	µg/m³	**1,600 J**	**100 J**	<20	<6.4	<22	<8.8	<19	<6.3	71 UJ	64 UJ	<20	46 UJ	<13	<72	<7.8	<330	<44	<40	<17	<120	<15	<5.4	<7.3
1,2-Dichloroethane	6,970	µg/m³	<1,800	**38 J**	<24	**7.6 J**	<27	<9.1	<23	<3.4	86 UJ	78 UJ	<21	56 UJ	<13	<88	<8.1	<400	<30	<49	<17	<140	<16	<6.6	<8.9
1,1-Dichloroethene	12,900,000	µg/m³	<1,400	<20	<19	<5.6	<21	<7.7	**1,300**	**1,300**	69 UJ	63 UJ	<18	45 UJ	<11	<71	**17 J**	**330 J**	**180**	<39	**26 J**	<110	**14 J**	<5.3	<7.1
cis-1,2-Dichloroethene	2,520,000	µg/m³	<1,700	<25	<24	<7.3	<26	<10	<22	<5.6	85 UJ	78 UJ	<23	56 UJ	<14	<87	<8.9	<400	<47	<49	<19	<140	<17	<6.6	<8.8
trans-1,2-Dichloroethene	2,540,000	µg/m³	<2,000	<27	<27	<7.7	<30	<10	<25	<7.7	96 UJ	87 UJ	<25	62 UJ	<15	<98	<9.4	<450	<59	<55	<20	<160	<18	<7.4	<9.9
1,2-Dichloropropane	57,100	µg/m³	<5,500	<26	<75	<7.3	<83	<10	<70	<8.0	270 UJ	240 UJ	<23	170 UJ	<14	<270	<8.9	<1,200	<48	<150	<19	<450	<17	<21	<28
1,4-Dioxane	27,700	µg/m³	--	<120	--	<36	--	<49	--	<6.8	--	--	<110	--	<70	--	<43	--	<150	--	<93	--	<84	--	--
Ethanol	3,890,000,000	µg/m³	--	150 UJ	--	42 UJ	--	58 UJ	--	14 UJ	--	--	130 UJ	--	83 UJ	--	51 UJ	--	<64	--	110 UJ	--	100 UJ	--	--
Ethyl acetate	4,680,000	µg/m³	--	<450	--	<130	--	<180	--	<7.0	--	--	<410	--	<250	--	<160	--	<560	--	<340	--	<300	--	--
Ethyl benzene	90,500	µg/m³	<1,400	<15	<18	<4.4	<21	<6.1	<17	<4.7	66 UJ	60 UJ	<14	43 UJ	<8.7	<68	<5.4	<310	<34	<38	<12	<110	<10	<5.1	<6.8
4-Ethyltoluene	29,600,000	µg/m³	<4,600	<46	<62	<13	<69	<18	<58	<3.4	220 UJ	200 UJ	<42	140 UJ	<26	<230	<16	<1,000	<57	<130	<34	<370	<31	<17	<23
Freon 113	730,000,000	µg/m³	<6,200	<43	<84	<12	<94	<17	<79	<11	300 UJ	270 UJ	<39	200 UJ	<24	<310	<15	<1,400	<53	<170	<32	<500	<29	<23	<31
n-Heptane	35,900,000	µg/m³	--	<37	--	<10	--	<14	--	<4.9	--	--	<34	--	<21	--	<13	--	<54	--	<28	--	<25	--	--
Hexachlorobutadiene	26,000	µg/m³	<23,000	<300	<310	<84	<350	<120	<290	<15	1,100 UJ	1,000 UJ	<270	730 UJ	<170	<1,100	<100	<5,200	1,000 UJ	<630	<220	<1,900	<200	<86	<120
n-Hexane	53,000,000	µg/m³	--	<26	--	<7.3	--	<10	--	<8.8	--	--	<24	--	<14	--	<8.9	--	<34	--	<19	--	<17	--	--
2-Hexanone	2,330,000	µg/m³	<1,800	<170	<24	<50	<27	<68	<23	<3.6	86 UJ	78 UJ	<160	56 UJ	<99	<88	<61	<400	<240	<49	<130	<140	<120	<6.6	<8.9
Methylene Chloride	15,600,000	µg/m³	<1,200	<77	<17	<22	<19	<30	**19 J**	<4.8	61 UJ	55 UJ	<70	39 UJ	<44	<62	<27	<280	**110 J**	**37 J**	<58	<100	<52	**13 J**	<6.3
Methylmethacrylate	51,500,000	µg/m³	--	<510	--	<140	--	<200	--	<8.8	--	--	<470	--	<290	--	<180	--	<630	--	<380	--	<350	--	--
Naphthalene	7,480	µg/m³	--	<45	--	<13	--	<18	--	6.6 UJ	--	--	<41	--	<26	--	<16	--	62 UJ	--	<34	--	<30	--	--
4-Methyl-2-pentanone	236,000,000	µg/m³	<2,700	<29	<37	<8.2	<41	<11	<35	<17	130 UJ	120 UJ	<26	87 UJ	<16	<140	<10	<620	<77	<76	<22	<220	<20	<10	<14
Styrene	77,800,000	µg/m³	<1,200	<16	<17	<4.7	<19	<6.5	<16	<2.6	61 UJ	55 UJ	<15	40 UJ	<9.3	<62	<5.7	<280	<31	<35	<12	<100	<11	<4.7	<6.3
1,1,1,2-Tetrachloroethane	43,200	µg/m³	--	<860	--	<240	--	<340	--	<4.9	--	--	<780	--	<480	--	<300	--	1,100 UJ	--	<640	--	<580	--	--
1,1,2,2-Tetrachloroethane	5,400	µg/m³	<2,300	<30	<32	<8.7	<36	<12	<30	<4.1	110 UJ	100 UJ	<28	75 UJ	<17	<120	<10	<530	<42	<65	<23	<190	<21	<8.8	<12
Tetrachloroethene	1,170,000	µg/m³	<1,700	**110 J**	**98 J**	**84**	**350**	**420**	**23 J**	**45 J**	**290 J-**	**280 J-**	**380**	**130 J-**	**170**	**160 J**	**180**	**1,600 J**	**1,000**	**250 J**	**940**	**270 J**	**240**	**91**	**90**
Tetrahydrofuran	110,000,000	µg/m³	--	<19	--	<5.4	--	<7.5	--	<2.2	--	--	<17	--	<11	--	<6.6	--	<40	--	<14	--	<13	--	--
Toluene	356,000,000	µg/m³	<950	<17	<13	<4.8	<14	<6.6	<12	<3.7	47 UJ	42 UJ	<15	30 UJ	<9.6	<48	<5.9	<220	<26	<26	<13	<77	<11	**4.4 J**	<4.8
1,2,4-Trichlorobenzene	277,000	µg/m³	<16,000	<320	<220	<90	<240	<120	<200	<9.2	780 UJ	710 UJ	<290	510 UJ	<180	<800	<110	<3,600	<460	<440	<240	<1,300	<210	<60	<81
1,1,2-Trichloroethane	14,400	µg/m³	<1,800	<36	<25	<10	<27	<14	<23	<5.3	88 UJ	80 UJ	<33	58 UJ	<20	<90	<12	<410	<76	<50	<27	<150	<24	<6.8	<9.1
Trichloroethene	55,000	µg/m³	<2,800	<19	<38	<5.4	<42	<7.4	**36 J**	**54**	140 UJ	120 UJ	**67 J**	89 UJ	<11	<140	**8.1 J**	<630	**92 J**	<78	**36 J**	<230	<13	**95**	**100**
Trichlorofluoromethane	--	µg/m³	**9,800 J**	**880**	**1,100**	**850**	**1,700**	**1,500**	<70	<8.3	270 UJ	240 UJ	<25	170 UJ	<15	<270	<9.4	<1,200	<32	<150	<20	<440	<18	<20	<28
1,2,4-Trimethylbenzene	5,460,000	µg/m³	<3,900	<75	<54	<21	<60	<29	<51	<7.2	190 UJ	180 UJ	<68	130 UJ	<42	<200	<26	<900	**37 J**	<110	<56	<320	<51	<15	<20
1,3,5-Trimethylbenzene	5,500,000	µg/m³	<3,000	<130	<41	<37	<46	<51	<39	<5.7	150 UJ	140 UJ	<120	97 UJ	<74	<150	<45	<690	**53 J**	<84	<97	<250	<88	<11	<15
Vinyl acetate	13,100,000	µg/m³	<2,500	<140	<34	<41	<38	<56	<32	<20	120 UJ	110 UJ	<130	80 UJ	<81	<130	<50	<570	<140	<70	<110	<210	<97	<9.5	<13
Vinyl chloride	33,200	µg/m³	<1,500	<33	<21	<9.4	<23	<13	<19	<3.9	74 UJ	67 UJ	<30	48 UJ	<19	<76	<11	<350	<34	<42	<25	<120	<22	<5.7	<7.7
m,p-Xylene	8,070,000	µg/m³	<2,100	<16	<29	<4.7	<33	<6.4	<28	<4.6	110 UJ	96 UJ	<15	68 UJ	<9.3	<110	<5.7	<490	**99 J**	<60	<12	<170	<11	<8.1	<11
o-Xylene	8,070,000	µg/m³	<1,200	<29	<16	<8.2	<18	<11	<15	<2.9	57 UJ	52 UJ	<26	37 UJ	<16	<58	<10	<260	**53 J**	<32	<21	<94	<19	<4.4	<5.9

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.
* RISG-16, RISG-17, RISG-18, and RISG-19 were sampled at 5 feet below the Unit 4 building basement floor, or approximately 13 ft below the natural ground surface.

TABLE 7-7b. OU-1 SOIL GAS RESULTS, 10 - 15 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-20	RISG-21		RISG-22		RISG-23		RISG-24		RISG-25		RISG-26			RISG-32		RISG-33		RISG-34		RISG-79	RISG-80	RISG-81
			15 ft bgs	15 ft bgs		12.4 ft bgs	15 ft bgs	15 ft bgs		15 ft bgs		15 ft bgs		15 ft bgs			15 ft bgs		15 ft bgs		15 ft bgs		15 ft bgs	15 ft bgs	14 ft bgs
			1/21/2020	3/11/2019	11/07/2019	11/07/2019	3/22/2019	3/08/2019	11/07/2019	3/07/2019	11/05/2019	3/08/2019	11/04/2019	3/07/2019	3/07/2019 (FD)	11/05/2019	3/13/2019	11/14/2019	3/13/2019	11/14/2019	3/13/2019	11/14/2019	12/17/2019	11/15/2019	11/18/2019
Acetone	1,580,000,000	µg/m³	<14	**7.2 J**	<15	<24	**31 J**	**52 J-**	<31	**96**	<11	**17 J**	**7.6**	**170 J**	**97 J**	<22	**6.3 J**	**12**	**7.4 J**	**6.2 J**	**20 J**	**4.0 J**	**13**	**240**	**36**
Acrolein	993	µg/m³	ND	--	<5.1	ND	--	--	<11	--	<19	--	<2.1	--	--	ND	--	ND	--	ND	--	ND	ND	ND	ND
Acrylonitrile	2,010	µg/m³	<37	--	<3.2	<76	--	--	<6.7	--	<0.98	--	<0.11	--	--	<68	--	<1.8	--	<19	--	<1.9	<0.20	<30	<6.4
Benzene	22,300	µg/m³	<4.4	<2.4	<1.5	<3.5	<17	6.5 UJ	<3.0	<1.3	**0.42 J**	<1.3	**0.15 J**	<15	<15	<3.2	<1.3	**0.13 J**	**4.7 J**	**17**	<1.3	**2.3**	**1.2**	**2.1 J**	**1.1**
Benzyl chloride	4,960	µg/m³	<7.5	**20 J**	<1.8	<8.6	<58	22 UJ	<3.8	<4.2	4.0 UJ	<4.2	0.44 UJ	<49	<49	<7.8	<4.2	<0.15	<13	<1.6	<4.2	<0.16	<0.84	<1.1	<0.53
Bromodichloromethane	7,410	µg/m³	<8.6	<4.2	<2.3	<5.9	<31	11 UJ	<4.8	<2.2	<4.0	<2.2	<0.45	<26	<26	<5.3	<2.2	**0.27 J**	<6.6	<1.9	<2.2	**0.48 J**	<0.85	**3.8 J**	**0.83 J**
Bromoform	388,000	µg/m³	<15	<6.9	<2.0	<6.9	<50	19 UJ	<4.1	<3.6	<7.2	<3.6	<0.79	<42	<42	<6.2	<3.6	<0.26	<11	<2.7	<3.6	<0.26	<1.5	<4.3	<0.89
2-Butanone	298,000,000	µg/m³	<10	<5.6	<4.3	<25	<40	15 UJ	<9.0	**4.3 J**	<2.7	<2.9	**0.97 J**	<34	<34	<22	<2.9	**2.0 J**	<8.7	<3.5	<2.9	**0.80 J**	**1.2 J**	**33 J**	**9.0**
Carbon disulfide	36,700,000	µg/m³	<7.7	**8.1 J**	<24	<16	<17	6.3 UJ	<49	<1.2	<5.9	**3.6 J**	<0.65	<14	**32 J**	<14	**3.3 J**	<0.46	**7.2 J**	<4.8	**7.0 J**	**0.73 J**	**16**	**10 J**	**3.9 J**
Carbon tetrachloride	45,000	µg/m³	**7.7 J**	**4.9 J**	**3.7 J**	**48 J**	**32 J**	**19 J-**	**25 J**	**20 J**	**20**	<2.0	**0.78**	**2,600**	**2,600**	**2,700**	<2.0	**0.52**	<6.0	<0.66	<2.0	**0.55**	**70**	<3.1	**3.2**
Chlorobenzene	3,840,000	µg/m³	<6.3	<2.8	<0.95	<4.9	<20	7.6 UJ	<2.0	<1.5	<2.0	<1.5	**0.32 J**	**470**	**530**	**110**	<1.5	<0.066	**10 J**	**32**	<1.5	**3.2**	<0.42	<1.6	**1.0 J**
Chloroethane	538,000,000	µg/m³	<7.0	<7.8	<6.4	<22	<56	21 UJ	<13	<4.1	<0.16	<4.1	**0.72**	<47	<47	<20	**8.9 J**	**9.4**	**170**	**200**	**56**	**64**	**0.12 J**	**14 J**	**0.14 J**
Chloroform	8,770	µg/m³	**5,900**	**2,800**	**3,600**	**10,000**	**7,400**	**3,700 J-**	**8,000**	**1,800**	**2,200**	**92**	**93**	**20,000**	**20,000**	**29,000**	**58**	**57**	**2,900**	**1,900**	**39**	**110**	**300**	**4,400**	**310**
Chloromethane	4,070,000	µg/m³	<20	<3.9	5.6 UJ	<13	<28	11 UJ	12 UJ	<2.0	<0.35	<2.0	**0.12 J**	<24	<24	<12	<2.0	<0.13	<6.0	<1.4	<2.0	**0.29 J**	**0.14 J**	<4.6	0.46 UJ
Cyclohexane	416,000,000	µg/m³	<6.2	--	<1.9	<3.5	--	--	<4.0	--	<2.0	--	<0.23	--	--	<3.2	--	**0.12 J**	--	**38**	--	**0.26 J**	**0.90 J**	<1.9	<0.32
1,2-Dibromo-3-chloropropane	77.7	µg/m³	<160	--	6.4 UJ	<340	--	--	13 UJ	--	<79	--	<8.7	--	--	<300	--	<8.2	--	<86	--	<8.3	<16	<17	<28
Dibromochloromethane	--	µg/m³	<14	<6.5	<2.0	<5.8	<46	17 UJ	<4.0	<3.4	<4.1	<3.4	<0.45	<39	<39	<5.3	<3.4	<0.14	<10	<1.5	<3.4	<0.14	<0.86	<6.0	<0.49
1,2-Dibromoethane	593	µg/m³	<13	<5.5	<1.9	<7.1	<40	15 UJ	<3.8	<2.9	<1.2	<2.9	<0.13	<33	<33	<6.4	<2.9	<0.025	<8.6	<0.26	<2.9	<0.026	<0.25	<3.2	<0.088
1,2-Dichlorobenzene	19,600,000	µg/m³	<11	<7.5	<1.8	<5.8	<54	20 UJ	<3.8	<3.9	6.6 UJ	<3.9	0.73 UJ	<45	**57 J**	<5.2	<3.9	<0.15	**19 J**	**27**	<3.9	**1.7**	1.4 UJ	<2.5	**1.0 J**
1,3-Dichlorobenzene	16,000,000	µg/m³	<10	<6.3	<0.94	<6.8	<46	**34 J-**	<1.9	**13**	5.6 UJ	<3.3	**2.0 J-**	<38	<38	<6.2	<3.3	<0.22	**57**	**130**	<3.3	**1.8**	**2.4**	**20 J**	**5.4**
1,4-Dichlorobenzene	25,500	µg/m³	<11	<8.6	<1.9	<6.2	<62	23 UJ	<3.9	<4.5	1.3 UJ	<4.5	**1.2 J-**	<52	<52	<5.6	<4.5	<0.11	**16 J**	**28**	<4.5	**0.80**	0.28 UJ	<2.5	**0.60 J**
Dichlorodifluoromethane	7,290,000	µg/m³	<8.0	<6.9	**3.0 J**	<5.0	<49	19 UJ	<3.6	<3.6	**1.6**	**3.8 J**	**1.6**	<42	<42	<4.5	**3.6 J**	**1.8 J-**	<11	**2.0 J-**	**4.1 J**	**1.8 J-**	**2.1**	<2.4	**1.6 J-**
1,1-Dichloroethane	116,000	µg/m³	<6.6	<2.8	<2.5	<6.3	<20	7.5 UJ	<5.2	<1.5	<0.22	**24**	**22**	<17	<17	<5.7	**19**	**19**	**480**	**660**	<1.5	**1.9**	**0.11 J**	**32**	**0.42 J**
1,2-Dichloroethane	6,970	µg/m³	<9.0	<3.4	<1.4	<6.5	<25	9.2 UJ	<2.8	<1.8	<0.26	<1.8	**0.046 J**	<21	<21	<5.9	<1.8	**0.32**	**70**	**98**	<1.8	**7.2**	**0.091 J**	**15**	**0.21 J**
1,1-Dichloroethene	12,900,000	µg/m³	<7.4	<2.7	<3.3	**21 J**	**37 J**	7.4 UJ	<6.7	<1.4	**0.55 J**	<1.4	<0.020	<17	<17	<4.9	<1.4	<0.015	<4.2	**5.6**	<1.4	**0.21**	**0.42**	<4.2	**1.8**
cis-1,2-Dichloroethene	2,520,000	µg/m³	<4.7	<3.4	<2.2	<7.1	<24	9.1 UJ	<4.6	<1.8	<0.22	<1.8	<0.024	<20	<20	<6.4	<1.8	<0.0076	<5.2	**0.19 J**	<1.8	<0.0078	<0.046	<2.8	<0.026
trans-1,2-Dichloroethene	2,540,000	µg/m³	<5.1	<3.8	<3.0	<7.6	<27	10 UJ	<6.3	<2.0	<0.20	<2.0	**0.029 J**	<23	<23	<6.8	<2.0	**0.054 J**	<5.9	**1.7 J**	<2.0	**0.080 J**	**0.064 J**	<5.3	<0.029
1,2-Dichloropropane	57,100	µg/m³	<12	<11	<3.2	<7.2	<77	29 UJ	<6.6	<5.5	<1.7	<5.5	<0.18	<64	<64	<6.5	<5.5	<0.14	<16	**1.9 J**	<5.5	<0.14	<0.35	<4.2	<0.50
1,4-Dioxane	27,700	µg/m³	<32	--	<2.7	<35	--	--	<5.6	--	<0.97	--	<0.11	--	--	<32	--	<0.11	--	<1.2	--	<0.12	<0.20	<7.3	<0.40
Ethanol	3,890,000,000	µg/m³	<22	--	5.5 UJ	41 UJ	--	--	11 UJ	--	<3.3	--	**0.84 J**	--	--	37 UJ	--	**1.5 J**	--	<3.7	--	**0.81 J**	**6.6 J+**	**67**	**8.7 J-**
Ethyl acetate	4,680,000	µg/m³	<61	--	<2.8	<130	--	--	<5.7	--	<29	--	<3.2	--	--	<110	--	<3.0	--	<32	--	<3.1	<6.2	<50	<10
Ethyl benzene	90,500	µg/m³	<7.4	<2.6	<1.8	<4.3	<19	7.1 UJ	<3.8	<1.4	<0.19	<1.4	**0.072 J**	<16	<16	<3.9	<1.4	**0.013 J**	<4.1	<0.089	<1.4	**0.084 J**	**0.50**	<3.0	**0.26 J**
4-Ethyltoluene	29,600,000	µg/m³	<5.4	<8.8	<1.4	<13	<63	24 UJ	<2.8	<4.6	<2.1	<4.6	<0.24	<53	<53	<12	<4.6	<0.091	<14	<0.96	<4.6	<0.093	**0.97 J**	<2.7	**0.41 J**
Freon 113	730,000,000	µg/m³	<16	<12	<4.4	<12	<86	32 UJ	<9.1	<6.2	<8.3	<6.2	<0.92	<72	<72	<11	<6.2	**0.49 J**	<19	<2.2	<6.2	**0.52 J**	<1.7	<3.8	<0.73
n-Heptane	35,900,000	µg/m³	<5.6	--	<1.9	<10	--	--	<4.0	--	<3.0	--	<0.34	--	--	<9.4	--	<0.29	--	<3.0	--	<0.30	<0.64	<3.7	<1.0
Hexachlorobutadiene	26,000	µg/m³	**48 J**	<44	<6.0	<83	<320	120 UJ	**24 J**	<23	13 UJ	<23	1.4 UJ	<270	<270	<75	<23	<1.3	<68	**54 J**	<23	**6.8 J**	**6.2 J**	<28	**14 J**
n-Hexane	53,000,000	µg/m³	<5.7	--	<3.5	<7.2	--	--	<7.2	--	<3.6	--	<0.40	--	--	<6.5	--	<0.58	--	<6.1	--	<0.59	<0.76	<1.2	<2.0
2-Hexanone	2,330,000	µg/m³	<17	<3.4	<1.4	<49	<25	9.2 UJ	<2.9	<1.8	2.8 UJ	<1.8	0.31 UJ	<21	<21	<44	<1.8	<0.26	<5.3	<2.7	<1.8	<0.26	0.60 UJ	**16 J**	<0.90
Methylene Chloride	15,600,000	µg/m³	<13	<2.4	<1.9	<22	<17	6.5 UJ	<3.9	**1.8 J**	<5.3	<1.3	**0.68 J**	<15	<15	<20	**3.0 J**	**2.8**	**20 J**	**24**	**13**	**18**	<1.1	**14 J**	<3.4
Methylmethacrylate	51,500,000	µg/m³	<170	--	<3.5	<140	--	--	<7.2	--	<33	--	<3.7	--	--	<130	--	<3.5	--	<36	--	<3.5	<7.0	<140	<12
Naphthalene	7,480	µg/m³	<2.2	--	2.6 UJ	<13	--	--	5.4 UJ	--	<0.52	--	<0.058	--	--	<11	--	<0.13	--	<1.4	--	<0.14	**0.26 J**	<1.5	**0.84 J**
4-Methyl-2-pentanone	236,000,000	µg/m³	<6.6	<5.3	<6.8	<8.1	<38	14 UJ	<14	<2.8	<2.0	<2.8	<0.23	<32	<32	<7.3	<2.8	<0.049	<8.2	<0.51	<2.8	<0.050	<0.43	**8.6 J**	**0.20 J**
Styrene	77,800,000	µg/m³	<5.1	<2.4	<1.0	<4.6	<17	6.5 UJ	<2.1	<1.3	<0.98	<1.3	<0.11	<15	<15	<4.2	<1.3	<0.11	<3.7	<1.1	<1.3	<0.11	<0.20	<2.7	<0.37
1,1,1,2-Tetrachloroethane	43,200	µg/m³	<120	--	<1.9	<240	--	--	<4.0	--	<1.6	--	<0.18	--	--	<220	--	<5.8	--	<61	--	<5.9	<0.34	<96	<20
1,1,2,2-Tetrachloroethane	5,400	µg/m³	<13	<4.5	<1.6	<8.5	<33	12 UJ	<3.4	<2.4	<0.36	<2.4	<0.039	<27	<27	<7.7	<2.4	<0.052	<7.0	<0.55	<2.4	<0.053	<0.075	<3.8	<0.18
Tetrachloroethene	1,170,000	µg/m³	**120**	**22 J**	**24 J**	**35 J**	**31 J**	**15 J-**	**16 J**	**99**	**110**	**30**	**33**	**61 J**	**62 J**	**58**	**110**	**100**	**530**	**440**	<1.7	**62**	**47**	**18 J**	**44**
Tetrahydrofuran	110,000,000	µg/m³	<6.8	--	<0.87	<5.4	--	--	<1.8	--	<3.1	--	<0.35	--	--	<4.8	--	<0.36	--	<3.8	--	**0.65 J**	<0.66	**12**	**1.9 J**
Toluene	356,000,000	µg/m³	<5.1	<1.8	<1.4	<4.7	<13	5.0 UJ	<3.0	**1.7 J**	**0.40 J**	**1.3 J**	**0.30 J**	<11	<11	<4.3	<0.96	**0.053 J**	<2.9	**0.26 J**	<0.96	**1.0**	**1.7**	**11 J**	**1.6**
1,2,4-Trichlorobenzene	277,000	µg/m³	<24	<31	<3.6	<88	<220	83 UJ	<7.5	<16	11 UJ	<16	1.2 UJ	<190	<190	<80	<16	<1.2	<48	**130**	<16	**11**	<2.3	<16	**6.9 J**
1,1,2-Trichloroethane	14,400	µg/m³	<10	<3.5	<2.1	<10	<25	9.5 UJ	<4.3	<1.8	<0.33	<1.8	<0.037	<21	<21	<9.0	<1.8	<0.016	<5.4	<0.17	<1.8	**2.5**	<0.070	<3.8	<0.056
Trichloroethene	55,000	µg/m³	**110**	<5.4	<2.5	**410**	**350**	**38 J-**	**72**	<2.8	**2.2**	<2.8	**1.3**	<33	<33	<4.8	**3.4 J**	**4.0**	**180**	**240**	<2.8	**0.70**	**3.2**	<1.9	**3.7**
Trichlorofluoromethane	--	µg/m³	<7.6	<11	<3.3	<7.6	<76	28 UJ	<6.8	<5.5	<1.6	<5.5	**1.2**	<64	<64	**20 J**	<5.5	**1.3**	<16	**1.2 J**	<5.5	**1.2**	**1.4 J**	<1.6	**1.2 J**
1,2,4-Trimethylbenzene	5,460,000	µg/m³	<7.1	<7.6	<2.8	<21	<55	21 UJ	<5.9	<4.0	<2.3	<4.0	<0.26	<46	<46	<19	<4.0	<0.060	<12	<0.63	<4.0	**0.14 J**	**1.0 J**	**4.5 J**	**0.79 J**
1,3,5-Trimethylbenzene	5,500,000	µg/m³	<9.2	<5.9	<2.2	<36	<42	16 UJ	<4.6	<3.1	<2.0	<3.1	<0.22	<36	<36	<33	<3.1	<0.086	<9.1	<0.90	<3.1	<0.087	<0.42	<2.1	<0.30
Vinyl acetate	13,100,000	µg/m³	<16	<4.9	<8.1	<40	<35	13 UJ	<17	<2.6	<2.6	<2.6	<0.29	<30	<30	<36	<2.6	<0.58	<7.6	<6.1	<2.6	<0.60	<0.55	<11	<2.0
Vinyl chloride	33,200	µg/m³	<4.4	<2.9	<1.5	<9.2	<21	7.9 UJ	<3.2	<1.5	<0.11	<1.5	<0.012	<18	<18	<8.4	<1.5	<0.0063	<4.6	**1.2**	<1.5	**0.060**	<0.022	<1.8	<0.022
m,p-Xylene	8,070,000	µg/m³	<4.8	**4.6 J**	<1.8	<4.6	<30	11 UJ	<3.8	**2.4 J**	**0.30 J**	<2.2	**0.27 J**	<25	<25	<4.2	<2.2	**0.036 J**	<6.4	**0.82 J**	<2.2	**0.16 J**	**1.6**	**8.4 J**	**0.82 J**
o-Xylene	8,070,000	µg/m³	<5.9	<2.3	<1.2	<8.0	<16	6.1 UJ	<2.4	<1.2	<0.14	<1.2	**0.14 J**	<14	<14	<7.3	<1.2	**0.017 J**	<3.5	**0.54 J**	<1.2	**0.073 J**	**1.2**	**3.8 J**	**0.33 J**

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.

TABLE 7-7b. OU-1 SOIL GAS RESULTS, 10 - 15 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-82	RISG-83	RISG-84	RISG-85	RISG-86	RISG-87	RISG-88	RISG-89		RISG-90
			15 ft bgs	15 ft bgs	15 ft bgs	14 ft bgs	14 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs		15 ft bgs
			11/18/2019	11/15/2019	11/15/2019	11/19/2019	12/02/2019	11/19/2019	12/18/2019	1/08/2020	1/08/2020 (FD)	12/17/2019
Acetone	1,580,000,000	µg/m³	**54 J**	**71 J**	**56 J**	**36 J**	**20 J**	**20**	**32**	**32 J**	**22 J**	**61**
Acrolein	993	µg/m³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	2,010	µg/m³	<74	<76	<120	<39	<31	<4.3	<0.50	<30	<30	<1.0
Benzene	22,300	µg/m³	**5.3 J**	<3.9	<6.1	<2.6	**9.7 J**	**1.1**	**0.90 J**	<3.5	<3.6	**1.3 J**
Benzyl chloride	4,960	µg/m³	<2.6	<11	<16	<1.4	<6.3	<0.36	<2.0	<6.0	<6.2	<4.2
Bromodichloromethane	7,410	µg/m³	<6.8	**6.8 J**	**54 J**	<3.6	**16 J**	**1.7 J**	<2.0	**14 J**	**14 J**	<4.3
Bromoform	388,000	µg/m³	<10	<12	<19	<5.6	<12	<0.60	<3.6	<12	<12	<7.6
2-Butanone	298,000,000	µg/m³	<24	<25	<39	<12	<8.6	**12**	**11 J**	**21 J**	**15 J**	**16 J**
Carbon disulfide	36,700,000	µg/m³	<16	<16	**28 J**	<8.4	<6.5	**1.9 J**	<3.0	<6.2	<6.3	<6.3
Carbon tetrachloride	45,000	µg/m³	**64**	<13	**7,500**	**10 J**	**13 J**	**3.8**	**4.7**	**6.8 J**	**9.2 J**	**2.0 J**
Chlorobenzene	3,840,000	µg/m³	<3.9	<11	<17	<2.1	<5.3	**0.53 J**	<1.0	<5.0	<5.1	<2.1
Chloroethane	538,000,000	µg/m³	<11	**100**	<41	<5.7	**34 J**	**0.042 J**	**0.22 J**	<5.6	<5.7	<0.17
Chloroform	8,770	µg/m³	**10,000**	**48,000**	**93,000**	**5,900**	**5,200**	**27**	**52**	**3,700**	**3,800**	**8.3**
Chloromethane	4,070,000	µg/m³	<11	<15	<24	<6.0	<16	0.31 UJ	**0.20 J**	<16	<16	<0.38
Cyclohexane	416,000,000	µg/m³	<4.7	<6.7	<10	<2.5	<5.2	**0.65 J**	<1.0	<4.9	<5.0	<2.2
1,2-Dibromo-3-chloropropane	77.7	µg/m³	<41	<340	<530	<22	<140	<19	<40	<130	<140	<84
Dibromochloromethane	--	µg/m³	<14	<15	<24	<7.7	<12	<0.33	<2.1	<11	<11	<4.4
1,2-Dibromoethane	593	µg/m³	<7.8	<12	<18	<4.2	<11	<0.059	<0.60	<10	<11	<1.3
1,2-Dichlorobenzene	19,600,000	µg/m³	<6.1	<13	<20	<3.3	<9.5	**1.7 J**	3.4 UJ	<9.0	<9.2	7.1 UJ
1,3-Dichlorobenzene	16,000,000	µg/m³	<6.1	<8.1	**29 J**	<3.2	<8.6	**2.1 J**	<2.9	<8.2	<8.4	<6.0
1,4-Dichlorobenzene	25,500	µg/m³	<6.2	<8.9	<14	<3.3	<9.0	<0.26	0.68 UJ	<8.6	<8.8	1.4 UJ
Dichlorodifluoromethane	7,290,000	µg/m³	<5.9	<9.6	<15	<3.1	<6.7	**1.6 J-**	**2.1**	<6.4	<6.6	**2.2**
1,1-Dichloroethane	116,000	µg/m³	<7.6	**190**	<15	<4.0	<5.5	**1.0**	**17**	<5.3	<5.4	**1.8**
1,2-Dichloroethane	6,970	µg/m³	<12	**60**	<11	<6.6	<7.5	<0.020	<0.13	<7.2	<7.4	<0.28
1,1-Dichloroethene	12,900,000	µg/m³	**49**	<4.7	<7.4	**230**	**1,500**	**170**	**110**	<6.0	<6.1	**840**
cis-1,2-Dichloroethene	2,520,000	µg/m³	<6.7	<11	<17	<3.6	<4.0	**0.066 J**	<0.11	<3.8	<3.9	<0.23
trans-1,2-Dichloroethene	2,540,000	µg/m³	<13	<13	<21	<6.8	<4.2	<0.019	<0.10	<4.1	<4.2	<0.22
1,2-Dichloropropane	57,100	µg/m³	<10	<11	<17	<5.4	<9.9	<0.33	<0.86	<9.5	<9.7	<1.8
1,4-Dioxane	27,700	µg/m³	<18	<35	<54	<9.4	<27	<0.27	<0.50	<26	<27	<1.0
Ethanol	3,890,000,000	µg/m³	<18	**86**	<22	<9.4	<18	**4.0 J-**	**15 J+**	<17	<18	**15 J+**
Ethyl acetate	4,680,000	µg/m³	<120	<130	<200	<65	<52	<7.1	<15	<49	<50	<31
Ethyl benzene	90,500	µg/m³	<7.4	<7.6	<12	<3.9	<6.2	**0.33 J**	**0.26 J**	<5.9	<6.1	**0.34 J**
4-Ethyltoluene	29,600,000	µg/m³	<6.7	<13	<20	<3.6	<4.6	**4.6**	1.1 UJ	<4.4	<4.5	2.3 UJ
Freon 113	730,000,000	µg/m³	<9.1	<12	<19	<4.8	<13	**0.58 J**	<4.2	<12	<13	<8.9
n-Heptane	35,900,000	µg/m³	<9.0	<12	<19	<4.8	<4.7	<0.68	<1.6	<4.5	<4.6	<3.2
Hexachlorobutadiene	26,000	µg/m³	<67	230 UJ	360 UJ	<36	<19	<3.0	<6.7	<18	<19	<14
n-Hexane	53,000,000	µg/m³	<3.0	<7.6	<12	<1.6	<4.8	<1.4	<1.8	<4.6	<4.7	<3.9
2-Hexanone	2,330,000	µg/m³	<15	<54	<84	<8.1	<14	<0.61	1.4 UJ	<13	<14	3.0 UJ
Methylene Chloride	15,600,000	µg/m³	<20	**55 J**	<29	<11	**20 J**	<2.3	<2.7	<10	<11	<5.6
Methylmethacrylate	51,500,000	µg/m³	<350	<140	<220	<180	<150	<8.1	<17	<140	<140	<36
Naphthalene	7,480	µg/m³	<3.6	<14	<22	<1.9	<1.9	**0.42 J**	<0.26	<1.8	<1.8	<0.56
4-Methyl-2-pentanone	236,000,000	µg/m³	<14	<17	<27	<7.4	<5.6	<0.11	<1.0	<5.3	<5.4	<2.2
Styrene	77,800,000	µg/m³	<6.5	<7.1	<11	<3.5	<4.3	<0.25	<0.50	<4.1	<4.2	<1.0
1,1,1,2-Tetrachloroethane	43,200	µg/m³	<230	<240	<370	<120	<98	<14	<0.82	<94	<96	<1.7
1,1,2,2-Tetrachloroethane	5,400	µg/m³	<9.3	<9.4	<15	<5.0	<11	<0.12	<0.18	<10	<10	<0.38
Tetrachloroethene	1,170,000	µg/m³	**89**	**140**	**750**	**31**	**110**	**11**	**730**	**27**	**34**	**3.8**
Tetrahydrofuran	110,000,000	µg/m³	<9.0	<9.1	<14	<4.8	<5.7	**1.5 J**	**1.8 J**	<5.4	<5.6	**3.5 J**
Toluene	356,000,000	µg/m³	**7.4 J**	<5.9	<9.2	**1.8 J**	<4.3	**1.7**	**1.1 J**	<4.1	<4.2	**1.5 J**
1,2,4-Trichlorobenzene	277,000	µg/m³	<39	<100	<160	<21	<20	<2.9	<5.5	<19	<20	<12
1,1,2-Trichloroethane	14,400	µg/m³	<9.3	<17	<27	<4.9	<8.6	<0.038	<0.17	<8.2	<8.4	<0.35
Trichloroethene	55,000	µg/m³	**610**	<14	<22	**14 J**	**68**	**88**	**16**	<6.6	<6.8	**82**
Trichlorofluoromethane	--	µg/m³	<3.8	**9.4 J**	**460**	<2.0	<6.4	**1.6 J**	**5.4**	<6.1	<6.3	**3.1 J**
1,2,4-Trimethylbenzene	5,460,000	µg/m³	<5.0	<8.2	<13	**3.9 J**	<6.0	**10**	<1.2	<5.7	<5.8	<2.5
1,3,5-Trimethylbenzene	5,500,000	µg/m³	<5.0	<7.1	<11	<2.7	<7.7	**3.4**	<1.0	<7.4	<7.6	<2.2
Vinyl acetate	13,100,000	µg/m³	<28	<32	<50	<15	<14	<1.4	<1.3	<13	<13	<2.8
Vinyl chloride	33,200	µg/m³	<4.3	<7.7	<12	<2.3	<3.7	<0.015	<0.055	<3.5	<3.6	<0.11
m,p-Xylene	8,070,000	µg/m³	<4.4	<7.1	<11	<2.4	<4.0	**2.2**	**0.98 J**	<3.9	<3.9	**1.4 J**
o-Xylene	8,070,000	µg/m³	<8.1	<10	<16	<4.3	<5.0	**1.6**	**0.41 J**	<4.8	<4.8	**0.67 J**

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.

TABLE 8-1a. STATISTICAL SUMMARY OF OU-2 GROUNDWATER RESULTS, SHALLOW WATER-BEARING ZONE (0-40 FT BGS)
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-5]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
General Chemistry	Ammonia	mg/L	1.04	BCL	<0.082	<0.082	3	2	66.7	<0.0030	<0.0030	0.014 J	0.030 J	0.022	0.022	0.011	0.51	ART-9	0	--
	Bicarbonate as HCO_3	mg/L	--	--	100	140	95	94	98.9	<4.8	<4.8	72	480	160	190	97	0.51	MC-61	--	--
	Bromide	mg/L	13.3	BCL	<0.50	1.6 J	66	18	27.3	<2.5	35.3 UJ	1.3 J	220	7.8	25	50	2	H-49R	7	17
	Carbonate as CO_3	mg/L	--	--	<2.4	<2.4	95	0	0	<2.4	<2.4	--	--	--	--	--	--	--	--	--
	Chlorate	mg/L	1.0	BCL	0.050	24	662	633	95.6	<0.025	<1.0	0.025	1,700	77	150	190	1.3	M-48A	571	1,700
	Chloride	mg/L	--	--	160 J-	170	99	99	100	--	--	440	7,300	1,600	2,600	2,000	0.77	PC-40	--	--
	Fluoride	mg/L	4.0	MCL	--	--	3	3	100	--	--	0.76	1.1	1.1	0.99	0.2	0.2	MW-K4	0	--
	Hydroxide	mg/L	--	--	<1.4	<1.4	95	0	0	<1.4	<1.4	--	--	--	--	--	--	--	--	--
	Nitrate (as N)	mg/L	10	MCL	1.5	22	555	492	88.6	<0.055	<2.9	0.19 J	110	11	14	13	0.92	PC-186	262	11
	Nitrate Nitrite as N	mg/L	10	MCL	1.5	8.5	89	66	74.2	<0.0010	<3.5	2.5	180	22	27	27	1	PC-173	50	18
	Nitrite (as N)	mg/L	1.0	MCL	<0.14	<0.35	97	3	3.1	<0.14	<3.5	3.3	180	20	68	98	1.4	PC-173	3	180
	Perchlorate	mg/L	0.015	PRG	0.051	3.9	1666	1657	99.5	0.00050 UJ	<0.095	0.0025 J	1,200	40	110	140	1.3	PC-187R	1645	80,000
	ortho-Phosphate	mg/L	--	--	<0.061	<0.15	92	7	7.6	<0.061	<1.5	0.080	2.9	0.46	0.83	1	1.3	PC-71	--	--
	Sulfate	mg/L	--	--	990	1,600	99	99	100	--	--	970	2,900	2,000	2,000	410	0.21	PC-168	--	--
Metals	Aluminum	mg/L	33.4	BCL	<0.025	<0.025	137	42	30.7	<0.025	<0.50	0.033 J	4.5 J	0.15	0.68	1.2	1.8	PC-165	0	--
	Antimony	mg/L	0.006	MCL	<0.00050	<0.010	28	2	7.1	<0.00050	<0.00050	0.00051 J	0.00069 J	0.0006	0.0006	0.00013	0.21	PC-152	0	--
	Arsenic	mg/L	0.010	MCL	0.10	0.17	138	136	98.6	<0.0050	<0.0050	0.020	0.26	0.13	0.13	0.061	0.47	PC-71	136	26
	Barium	mg/L	2.0	MCL	0.022 J-	0.039	28	28	100	--	--	0.0097 J	0.041	0.02	0.02	0.0077	0.39	PC-40	0	--
	Boron	mg/L	6.67	BCL	0.80	3.7	136	134	98.5	<0.25	<0.25	1.6	13 J+	2.5	3.8	2.8	0.72	PC-187R	19	1.9
	Cadmium	mg/L	0.0167	BCL	<0.0020	<0.0020	28	0	0	<0.0020	<0.010	--	--	--	--	--	--	--	--	--
	Calcium	mg/L	--	--	190	230	143	143	100	--	--	200	1,300	540	530	200	0.38	PC-175	--	--
	Chromium (total)	µg/L	100	MCL	4.4 J	140	1235	1008	81.6	<0.66	<40	2.4 J	7,000	240	460	750	1.6	ART-6	665	70
	Chromium VI	µg/L	0.0501	BCL	3.8	140 J-	443	363	81.9	<0.033	<5.0	0.35	6,400	330	560	950	1.7	ART-6	363	130,000
	Cobalt	mg/L	0.010	BCL	<0.0025	<0.0025	28	2	7.1	<0.0025	<0.013	0.0029 J	0.0037 J	0.0033	0.0033	0.00057	0.17	PC-40	0	--
	Copper	mg/L	1.3	MCL	<0.0050	<0.0050	28	2	7.1	<0.0050	<0.025	0.0053 J	0.012	0.0086	0.0086	0.0047	0.55	PC-158	0	--
	Iron	mg/L	23.4	BCL	<0.010	<0.010	138	44	31.9	<0.010	<0.50	0.010 J	3,900	0.16	180	820	4.6	H-48	2	170
	Lead	mg/L	0.015	MCL	<0.0025	0.0067	137	5	3.6	<0.0025	<0.038	0.0032 J	0.015 J	0.0047	0.0063	0.0049	0.77	PC-67	1	1
	Magnesium	mg/L	189	BCL	93	110	143	143	100	--	--	40	590	230	250	120	0.46	PC-175	97	3.1
	Manganese	mg/L	0.801	BCL	<0.010	<0.010	138	83	60.1	<0.010	<0.075	0.00104 J	200	1	6	30	5	H-48	54	250
	Mercury	mg/L	0.002	MCL	<0.00010	0.00014 J	13	1	7.7	<0.00010	<0.00010	0.00020	0.00020	0.0002	0.0002	--	--	PC-66	0	--
	Nickel	mg/L	0.667	BCL	<0.0050	<0.0050	28	6	21.4	<0.0050	<0.025	0.0051 J	0.012	0.0057	0.0066	0.0027	0.4	PC-158	0	--
	Phosphorus (total)	mg/L	33.4	BCL	<0.025	<0.025	63	48	76.2	<0.025	<0.13	0.026 J	3.6	0.072	0.31	0.63	2	PC-169	0	--
	Potassium	mg/L	--	--	13	16	143	143	100	--	--	7.0	68	26	28	14	0.5	PC-166	--	--
	Selenium	mg/L	0.050	MCL	--	--	3	3	100	--	--	0.014	0.018	0.015	0.016	0.0021	0.13	ART-4A	0	--
	Sodium	mg/L	--	--	220	560	143	143	100	--	--	410	4,600	1,200	1,600	1,000	0.64	PC-40R	--	--
	Strontium	mg/L	20	BCL	4.4	4.9 J-	110	110	100	--	--	4.9	32	13	14	5.6	0.41	PC-175	16	1.6
	Vanadium	mg/L	0.167	BCL	0.023	0.030	138	118	85.5	<0.0050	<0.025	0.0076 J	0.23	0.062	0.072	0.044	0.61	H-56A	4	1.4
	Zinc	mg/L	10	BCL	<0.010	<0.010	28	9	32.1	<0.010	<0.050	0.010 J	0.023	0.015	0.016	0.0052	0.33	PC-54	0	--
	Zirconium	mg/L	0.00267	BCL	--	--	109	0	0	<0.050	<0.50	--	--	--	--	--	--	--	--	--
VOCs	Acetone	µg/L	20,500	BCL	--	--	1	0	0	<11.3	<11.3	--	--	--	--	--	--	--	--	--
	Acrolein	µg/L	0.0416	BCL	--	--	1	0	0	<2.54	<2.54	--	--	--	--	--	--	--	--	--
	Acrylonitrile	µg/L	0.0525	BCL	--	--	1	0	0	<0.671	<0.671	--	--	--	--	--	--	--	--	--
	Benzene	µg/L	5	MCL	<0.25	<0.25	234	18	7.7	<0.0941	<2.5	0.28 J	6.8	1.2	1.9	1.9	1	PC-173	2	1.4
	Bromobenzene	µg/L	85.2	BCL	<0.25	<0.25	234	0	0	<0.118	<2.5	--	--	--	--	--	--	--	--	--
	Bromochloromethane	µg/L	83.4	BCL	<0.25	<0.25	233	0	0	<0.25	<2.5	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/L	0.135	BCL	<0.25	0.32 J	234	13	5.6	<0.136	<2.5	0.26 J	2.0	0.86	0.95	0.67	0.71	PC-187	13	15
	Bromoform	µg/L	3.36	BCL	<0.40	<0.40	234	8	3.4	<0.129	<4.0	0.40 J	7.7	3	3.4	2.9	0.86	PC-187	4	2.3
	Bromomethane	µg/L	8.53	BCL	<0.25	<0.25	234	0	0	<0.25	<2.5	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/L	6,860	BCL	<2.5	<2.5	234	0	0	<1.19	<25	--	--	--	--	--	--	--	--	--
	n-Butylbenzene	µg/L	1,670	BCL	<0.40	<0.40	234	0	0	<0.157	<4.0	--	--	--	--	--	--	--	--	--
	sec-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	234	0	0	<0.125	<2.5	--	--	--	--	--	--	--	--	--
	tert-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	234	1	0.4	<0.127	<2.5	0.34 J	0.34 J	0.34	0.34	--	--	PC-166	0	--
	Carbon tetrachloride	µg/L	5	MCL	<0.25	<0.25	234	73	31.2	<0.128	<2.5	0.25 J	10	1.3	1.9	2.1	1.1	PC-187	5	2
	Chlorobenzene	µg/L	100	MCL	<0.25	<0.25	234	63	26.9	<0.116	<2.5	0.27 J	420	3	55	110	2	PC-173	12	4.2
	Chloroethane	µg/L	20,900	BCL	<0.40	<0.40	234	0	0	<0.192	<4.0	--	--	--	--	--	--	--	--	--
	Chloroform	µg/L	70	MCLG	0.51	3.8	246	232	94.3	<0.25	<0.25	0.25 J	1,000	2	75	160	2.1	PC-67	57	14

TABLE 8-1a. STATISTICAL SUMMARY OF OU-2 GROUNDWATER RESULTS, SHALLOW WATER-BEARING ZONE (0-40 FT BGS)
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-5]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
VOCs	Chloromethane	µg/L	188	BCL	<0.25	<0.25	234	0	0	<0.25	<2.5	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	234	0	0	<0.106	<2.5	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	234	0	0	<0.114	<2.5	--	--	--	--	--	--	--	--	--
	Cumene	µg/L	667	BCL	<0.25	<0.25	234	0	0	<0.105	<2.5	--	--	--	--	--	--	--	--	--
	p-Cymene	µg/L	834	BCL	<0.25	<0.25	234	0	0	<0.120	<2.5	--	--	--	--	--	--	--	--	--
	1,2-Dibromo-3-chloropropane	µg/L	0.2	MCL	<0.50	<0.50	234	0	0	<0.276	<5.0	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	µg/L	60	MCLG	<0.25	<0.25	234	6	2.6	<0.140	<2.5	0.52	1.3	0.88	0.9	0.4	0.45	PC-187	0	--
	1,2-Dibromoethane	µg/L	0.05	MCL	<0.25	<0.25	234	0	0	<0.126	<2.5	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/L	8.34	BCL	<0.25	<0.25	234	0	0	<0.122	<2.5	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/L	600	MCL	<0.25	<0.50	234	128	54.7	<0.107	<2.5	0.26 J	24	3	4.9	5.3	1.1	PC-40R	0	--
	1,3-Dichlorobenzene	µg/L	80.7	BCL	<0.25	<0.25	234	94	40.2	<0.110	<2.5	0.25 J	3.0	0.96	1	0.69	0.67	PC-186	0	--
	1,4-Dichlorobenzene	µg/L	75	MCL	<0.25	<0.25	234	124	53	<0.120	<2.5	0.25 J	31	4.3	6.9	7.4	1.1	PC-40R	0	--
	Dichlorodifluoromethane	µg/L	202	BCL	0.25 UJ	<0.40	234	0	0	0.25 UJ	<4.0	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethane	µg/L	2.79	BCL	<0.25	<0.25	234	136	58.1	<0.25	<2.5	0.25 J	22	1.6	2.6	3.7	1.4	PC-173	28	7.9
	1,2-Dichloroethane	µg/L	5	MCL	<0.25	<0.25	234	30	12.8	<0.0819	<2.5	0.25 J	1.1	0.4	0.48	0.25	0.52	PC-173	0	--
	1,1-Dichloroethene	µg/L	7	MCL	<0.25	<0.25	234	15	6.4	<0.188	<2.5	0.29 J	2.7	0.82	1.1	0.73	0.69	PC-175	0	--
	cis-1,2-Dichloroethene	µg/L	70	MCL	<0.25	<0.25	234	1	0.4	<0.126	<2.5	0.39 J	0.39 J	0.39	0.39	--	--	PC-40R	0	--
	trans-1,2-Dichloroethene	µg/L	100	MCL	<0.25	<0.25	234	0	0	<0.149	<2.5	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/L	5	MCL	<0.25	<0.25	234	0	0	<0.149	<2.5	--	--	--	--	--	--	--	--	--
	1,3-Dichloropropane	µg/L	667	BCL	<0.25	<0.25	234	0	0	<0.110	<2.5	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	µg/L	--	--	<0.40	<0.40	234	0	0	<0.161	<4.0	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/L	--	--	<0.25	<0.25	234	0	0	<0.142	<2.5	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	234	0	0	<0.111	<2.5	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	234	0	0	<0.118	<2.5	--	--	--	--	--	--	--	--	--
	Diisopropyl ether	µg/L	1,460	BCL	--	--	1	0	0	<0.105	<0.105	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/L	0.46	BCL	<0.50	<0.50	226	136	60.2	<0.50	<0.50	0.50 J	23	1.1	1.7	2.1	1.2	PC-67	136	50
	Ethyl benzene	µg/L	700	MCL	<0.25	<0.25	234	0	0	<0.137	<2.5	--	--	--	--	--	--	--	--	--
	Ethyl tert-butyl ether	µg/L	70	RSL	<0.25	<0.25	233	0	0	<0.25	<2.5	--	--	--	--	--	--	--	--	--
	Freon 113	µg/L	10,300	BCL	--	--	1	0	0	<0.180	<0.180	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/L	0.203	BCL	<0.25	<0.25	234	1	0.4	<0.25	<2.5	0.38 J	0.38 J	0.38	0.38	--	--	M-48A	1	1.9
	Methyl tert-butyl ether	µg/L	14.4	BCL	--	--	1	0	0	<0.101	<0.101	--	--	--	--	--	--	--	--	--
	Methylene Chloride	µg/L	5	MCL	<0.88	1.1 J	234	20	8.5	<0.430	<8.8	1.0 J	25	1.9	4	5.4	1.4	PC-67	4	5
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	234	0	0	<0.40	<4.0	--	--	--	--	--	--	--	--	--
	4-Methyl-2-pentanone	µg/L	6,260	BCL	--	--	1	0	0	<0.478	<0.478	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	µg/L	1,280	BCL	<0.25	<0.25	234	0	0	<0.0993	<2.5	--	--	--	--	--	--	--	--	--
	Styrene	µg/L	100	MCL	<0.25	<0.25	231	0	0	<0.118	<2.5	--	--	--	--	--	--	--	--	--
	1,1,1,2-Tetrachloroethane	µg/L	0.605	BCL	<0.25	<0.25	234	0	0	<0.147	<2.5	--	--	--	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	µg/L	0.0775	BCL	<0.25	<0.25	234	0	0	<0.133	<2.5	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	µg/L	5	MCL	<0.25	<0.25	234	110	47	<0.25	<2.5	0.25 J	68	0.77	3	8.8	2.9	PC-21A	10	14
	Toluene	µg/L	1,000	MCL	<0.25	<0.25	234	9	3.8	<0.25	<2.5	0.25 J	0.53	0.44	0.42	0.09	0.22	ARP-7	0	--
	1,2,3-Trichlorobenzene	µg/L	26.7	BCL	<0.40	<0.40	234	78	33.3	<0.230	<4.0	0.40 J	6.1	0.84	1.3	1.2	0.89	H-58A	0	--
	1,2,4-Trichlorobenzene	µg/L	70	MCL	<0.40	<0.40	234	94	40.2	<0.40	<4.0	0.43 J	20	4.8	5.5	4.2	0.77	PC-40	0	--
	1,1,1-Trichloroethane	µg/L	200	MCL	<0.25	<0.25	234	0	0	<0.149	<2.5	--	--	--	--	--	--	--	--	--
	1,1,2-Trichloroethane	µg/L	5	MCL	<0.25	<0.25	234	0	0	<0.158	<2.5	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/L	5	MCL	<0.25	<0.25	234	134	57.3	<0.190	<2.5	0.26 J	12	0.63	1.3	1.9	1.4	PC-173	6	2.4
	Trichlorofluoromethane	µg/L	10,000	BCL	<0.25	<0.25	234	0	0	<0.160	<2.5	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	µg/L	0.000835	BCL	<0.0025	<0.40	452	149	33	<0.0025	<4.0	0.0025 J	0.50	0.043	0.089	0.11	1.2	PC-67	149	600
	1,2,3-Trimethylbenzene	µg/L	91	BCL	--	--	1	0	0	<0.104	<0.104	--	--	--	--	--	--	--	--	--
	1,2,4-Trimethylbenzene	µg/L	64.6	BCL	<0.25	<0.25	234	0	0	<0.25	<2.5	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	µg/L	2,000	BCL	<0.25	<0.25	234	0	0	<0.104	<2.5	--	--	--	--	--	--	--	--	--
	Vinyl chloride	µg/L	2	MCL	<0.25	<0.25	234	0	0	<0.234	<2.5	--	--	--	--	--	--	--	--	--
	m,p-Xylene	µg/L	--	--	<0.50	<0.50	233	0	0	<0.50	<5.0	--	--	--	--	--	--	--	--	--
	o-Xylene	µg/L	202	BCL	<0.25	<0.25	233	0	0	<0.25	<2.5	--	--	--	--	--	--	--	--	--
	Xylenes (total)	µg/L	10,000	MCL	--	--	1	0	0	<0.174	<0.174	--	--	--	--	--	--	--	--	--

TABLE 8-1a. STATISTICAL SUMMARY OF OU-2 GROUNDWATER RESULTS, SHALLOW WATER-BEARING ZONE (0-40 FT BGS)
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-5]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL

Notes:

1. Groundwater screening levels (GWSLs).
   MCL: Maximum Contaminant Level, USEPA.
   MCLG: Maximum Contaminant Level Goal, USEPA.
   PRG: Preliminary Remediation Goal, USEPA 2008 and USEPA 2009.
   BCL: Residential Water Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for tapwater, USEPA 2023.

	Detected at a rate of 5% or less, fewer than 10 samples exceeded the GWSL, and the maximum concentration less than a factor of 20 above the GWSL.
	Detected at a rate of 5% or less with no applicable GWSL.
	No detections or maximum detected concentration is below groundwater screening level.
	Essential Nutrient, macronutrient or salt.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.

[2] USEPA. 2008. Interim Drinking Water Health Advisory for Perchlorate EPA 822-R-08-025. December.

[3] USEPA. 2009. Memorandum: Revised Assessment Guidance for Perchlorate. January 8.

[4] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.

[5] USEPA. National Primary Drinking Water Regulations. Code of Federal Regulations, 40 CFR Part 141.

TABLE 8-1b. STATISTICAL SUMMARY OF OU-2 GROUNDWATER RESULTS, SHALLOW WATER-BEARING ZONE (~40-90 FT BGS)
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-5]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
General Chemistry	Bicarbonate as HCO_3	mg/L	--	--	100	140	45	45	100	--	--	42	220	100	110	37	0.35	PC-177	--	--
	Bromide	mg/L	13.3	BCL	<0.50	1.6 J	40	26	65	<1.3	<5.0	0.34 J	14	0.61	2.6	4.2	1.6	PC-176	1	1.1
	Carbonate as CO_3	mg/L	--	--	<2.4	<2.4	45	0	0	<2.4	<2.4	--	--	--	--	--	--	--	--	--
	Chlorate	mg/L	1.0	BCL	0.050	24	99	68	68.7	<0.010	<0.10	0.041	770	18	89	160	1.8	PC-183	51	770
	Chloride	mg/L	--	--	160 J-	170	45	45	100	--	--	210	2,700	630	890	670	0.74	MC-MW-37	--	--
	Hydroxide	mg/L	--	--	<1.4	<1.4	45	0	0	<1.4	<1.4	--	--	--	--	--	--	--	--	--
	Nitrate (as N)	mg/L	10	MCL	1.5	22	62	33	53.2	<0.0009	<0.56	0.019 J	59	4.1	10	16	1.6	PC-183	8	5.9
	Nitrate Nitrite as N	mg/L	10	MCL	1.5	8.5	41	28	68.3	<0.0010	<0.35	0.075 J	59	4.8	12	17	1.4	PC-183	8	5.9
	Nitrite (as N)	mg/L	1.0	MCL	<0.14	<0.35	42	3	7.1	<0.070	<1.4	0.29 J+	1.7 J	0.45	0.81	0.77	0.95	PC-183	1	1.7
	Perchlorate	mg/L	0.015	PRG	0.051	3.9	105	87	82.9	<0.00050	<0.95	0.0010 J	840 J-	4	59	150	2.6	PC-183	80	56,000
	ortho-Phosphate	mg/L	--	--	<0.061	<0.15	42	3	7.1	<0.030	0.61 UJ	0.38 J-	1.4	1	0.92	0.5	0.54	PC-183	--	--
	Sulfate	mg/L	--	--	990	1,600	45	45	100	--	--	220	2,600	1,100	1,200	700	0.59	PC-180	--	--
Metals	Aluminum	mg/L	33.4	BCL	<0.025	<0.025	66	13	19.7	<0.025	<0.25	0.051 J	2.2	0.23	0.37	0.57	1.6	MC-MW-37R	0	--
	Antimony	mg/L	0.006	MCL	<0.00050	<0.010	4	1	25	<0.00050	<0.00050	0.00055 J	0.00055 J	0.00055	0.00055	--	--	PC-137D	0	--
	Arsenic	mg/L	0.010	MCL	0.10	0.17	66	66	100	--	--	0.016	0.19	0.037	0.055	0.04	0.72	PC-194	66	19
	Barium	mg/L	2.0	MCL	0.022 J-	0.039	4	3	75	<0.010	<0.010	0.011	0.015	0.012	0.013	0.0021	0.16	PC-137D	0	--
	Boron	mg/L	6.67	BCL	0.80	3.7	68	68	100	--	--	0.77	9.3 J+	1.5	2.4	2.1	0.89	PC-183	6	1.4
	Cadmium	mg/L	0.0167	BCL	<0.0020	<0.0020	4	0	0	<0.0020	<0.0040	--	--	--	--	--	--	--	--	--
	Calcium	mg/L	--	--	190	230	67	67	100	--	--	41	730	330	320	180	0.55	PC-183	--	--
	Chromium (total)	µg/L	100	MCL	4.4 J	140	92	46	50	<2.0	<13	2.7 J	800	39	200	260	1.3	PC-183	19	8
	Chromium VI	µg/L	0.0501	BCL	3.8	140 J-	44	29	65.9	<0.25	<0.25	0.35 J	740	63	200	250	1.3	PC-179	29	15,000
	Cobalt	mg/L	0.010	BCL	<0.0025	<0.0025	4	0	0	<0.0025	<0.0050	--	--	--	--	--	--	--	--	--
	Copper	mg/L	1.3	MCL	<0.0050	<0.0050	4	0	0	<0.0050	<0.010	--	--	--	--	--	--	--	--	--
	Iron	mg/L	23.4	BCL	<0.010	<0.010	66	16	24.2	<0.010	<0.25	0.056 J	1.8 J-	0.15	0.28	0.43	1.5	MC-MW-37R	0	--
	Lead	mg/L	0.015	MCL	<0.0025	0.0067	66	1	1.5	<0.0025	<0.019	0.0050 J	0.0050 J	0.005	0.005	--	--	PC-134D	0	--
	Magnesium	mg/L	189	BCL	93	110	67	67	100	--	--	25	380	130	150	89	0.58	MC-MW-37	27	2
	Manganese	mg/L	0.801	BCL	<0.010	<0.010	66	35	53	<0.015	<0.030	0.015 J	0.39	0.077	0.098	0.09	0.92	MC-MW-38	0	--
	Mercury	mg/L	0.002	MCL	<0.00010	0.00014 J	2	0	0	<0.00010	<0.00010	--	--	--	--	--	--	--	--	--
	Nickel	mg/L	0.667	BCL	<0.0050	<0.0050	4	0	0	<0.0050	<0.010	--	--	--	--	--	--	--	--	--
	Phosphorus (total)	mg/L	33.4	BCL	<0.025	<0.025	40	25	62.5	<0.025	<0.025	0.025 J	0.52	0.047	0.07	0.096	1.4	PC-183	0	--
	Potassium	mg/L	--	--	13	16	67	67	100	--	--	7.2	56	22	23	10	0.45	PC-137D	--	--
	Sodium	mg/L	--	--	220	560	67	67	100	--	--	170	1,500	360	540	360	0.67	PC-183	--	--
	Strontium	mg/L	20	BCL	4.4	4.9 J-	62	62	100	--	--	1.4	18	9.4	9.1	4.6	0.51	PC-183	0	--
	Vanadium	mg/L	0.167	BCL	0.023	0.030	66	30	45.5	<0.0050	<0.025	0.0069 J	0.030	0.015	0.017	0.0073	0.43	PC-180	0	--
	Zinc	mg/L	10	BCL	<0.010	<0.010	4	1	25	<0.010	<0.020	0.010 J	0.010 J	0.01	0.01	--	--	PC-137D	0	--
	Zirconium	mg/L	0.00267	BCL	--	--	62	0	0	<0.050	<0.25	--	--	--	--	--	--	--	--	--
VOCs	Benzene	µg/L	5	MCL	<0.25	<0.25	59	11	18.6	<0.25	<0.25	0.25 J	150	26	42	52	1.3	MC-MW-38	8	30
	Bromobenzene	µg/L	85.2	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Bromochloromethane	µg/L	83.4	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/L	0.135	BCL	<0.25	0.32 J	59	5	8.5	<0.25	<0.25	0.28 J	0.54	0.43	0.41	0.12	0.3	PC-189	5	4
	Bromoform	µg/L	3.36	BCL	<0.40	<0.40	59	4	6.8	<0.40	<0.40	0.57 J	0.78 J	0.61	0.65	0.093	0.14	PC-179	0	--
	Bromomethane	µg/L	8.53	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/L	6,860	BCL	<2.5	<2.5	59	0	0	<2.5	<2.5	--	--	--	--	--	--	--	--	--
	n-Butylbenzene	µg/L	1,670	BCL	<0.40	<0.40	59	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	sec-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	tert-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	µg/L	5	MCL	<0.25	<0.25	59	15	25.4	<0.25	<0.25	0.32 J-	13	2.4	3.4	3.6	1.1	PC-188	4	2.6
	Chlorobenzene	µg/L	100	MCL	<0.25	<0.25	59	16	27.1	<0.25	<0.25	0.33 J	200	4.2	38	67	1.7	MC-MW-38	2	2
	Chloroethane	µg/L	20,900	BCL	<0.40	<0.40	59	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	Chloroform	µg/L	70	MCLG	0.51	3.8	59	42	71.2	<0.25	<0.25	0.34 J	510	11	63	120	1.9	PC-188	8	7.3
	Chloromethane	µg/L	188	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Cumene	µg/L	667	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	p-Cymene	µg/L	834	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dibromo-3-chloropropane	µg/L	0.2	MCL	<0.50	<0.50	59	0	0	<0.50	<0.50	--	--	--	--	--	--	--	--	--

TABLE 8-1b. STATISTICAL SUMMARY OF OU-2 GROUNDWATER RESULTS, SHALLOW WATER-BEARING ZONE (~40-90 FT BGS)
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Shallow Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-5]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
VOCs	Dibromochloromethane	µg/L	60	MCLG	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dibromoethane	µg/L	0.05	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/L	8.34	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/L	600	MCL	<0.25	<0.50	59	7	11.9	<0.25	<0.25	0.27 J	3.9	0.78	1.7	1.6	0.95	MC-MW-38	0	--
	1,3-Dichlorobenzene	µg/L	80.7	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	µg/L	75	MCL	<0.25	<0.25	59	8	13.6	<0.25	<0.25	0.27 J	7.4	1	2.8	3.1	1.1	MC-MW-38	0	--
	Dichlorodifluoromethane	µg/L	202	BCL	0.25 UJ	<0.40	59	0	0	0.25 UJ	<0.40	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethane	µg/L	2.79	BCL	<0.25	<0.25	59	10	16.9	<0.25	<0.25	0.42 J	7.0	2.7	3	2	0.68	MC-MW-37	5	2.5
	1,2-Dichloroethane	µg/L	5	MCL	<0.25	<0.25	59	13	22	<0.25	<0.25	0.31 J	2.4	0.46	0.79	0.69	0.87	MC-MW-37	0	--
	1,1-Dichloroethene	µg/L	7	MCL	<0.25	<0.25	59	1	1.7	<0.25	<0.25	0.27 J	0.27 J	0.27	0.27	--	--	MC-MW-38	0	--
	cis-1,2-Dichloroethene	µg/L	70	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	trans-1,2-Dichloroethene	µg/L	100	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/L	5	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,3-Dichloropropane	µg/L	667	BCL	<0.25	<0.25	59	1	1.7	<0.25	<0.25	0.96	0.96	0.96	0.96	--	--	PC-134D	0	--
	2,2-Dichloropropane	µg/L	--	--	<0.40	<0.40	59	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/L	--	--	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/L	0.46	BCL	<0.50	<0.50	58	9	15.5	<0.50	<0.50	0.51 J	1.3 J	0.8	0.88	0.32	0.36	PC-180	9	2.8
	Ethyl benzene	µg/L	700	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Ethyl tert-butyl ether	µg/L	70	RSL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/L	0.203	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Methylene Chloride	µg/L	5	MCL	<0.88	1.1 J	59	12	20.3	<0.88	<0.88	1.1 J	8.9	2.6	3.6	2.5	0.7	PC-185	3	1.8
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	59	1	1.7	<0.40	<0.40	0.42 J	0.42 J	0.42	0.42	--	--	MC-MW-36	1	3.2
	n-Propylbenzene	µg/L	1,280	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Styrene	µg/L	100	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,1,1,2-Tetrachloroethane	µg/L	0.605	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	µg/L	0.0775	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	µg/L	5	MCL	<0.25	<0.25	59	3	5.1	<0.25	<0.25	0.31 J	0.47 J	0.43	0.4	0.083	0.21	PC-180	0	--
	Toluene	µg/L	1,000	MCL	<0.25	<0.25	59	9	15.3	<0.25	<0.25	0.31 J	2.0	0.59	0.79	0.55	0.69	PC-134D	0	--
	1,2,3-Trichlorobenzene	µg/L	26.7	BCL	<0.40	<0.40	59	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	µg/L	70	MCL	<0.40	<0.40	59	1	1.7	<0.40	<0.40	0.80 J	0.80 J	0.8	0.8	--	--	PC-176	0	--
	1,1,1-Trichloroethane	µg/L	200	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,1,2-Trichloroethane	µg/L	5	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/L	5	MCL	<0.25	<0.25	59	10	16.9	<0.25	<0.25	0.25 J	0.69	0.39	0.41	0.13	0.31	PC-176	0	--
	Trichlorofluoromethane	µg/L	10,000	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	µg/L	0.000835	BCL	<0.0025	<0.40	115	25	21.7	<0.0025	<0.40	0.0025 J	0.27	0.018	0.061	0.081	1.3	PC-180	25	320
	1,2,4-Trimethylbenzene	µg/L	64.6	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	µg/L	2,000	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Vinyl chloride	µg/L	2	MCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	m,p-Xylene	µg/L	--	--	<0.50	<0.50	59	0	0	<0.50	<0.50	--	--	--	--	--	--	--	--	--
	o-Xylene	µg/L	202	BCL	<0.25	<0.25	59	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--

Notes:

1. Groundwater screening levels (GWSLs).
   MCL: Maximum Contaminant Level, USEPA.
   MCLG: Maximum Contaminant Level Goal, USEPA.
   PRG: Preliminary Remediation Goal, USEPA 2008 and USEPA 2009.
   BCL: Residential Water Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for tapwater, USEPA 2023.

Detected at a rate of 5% or less, fewer than 10 samples exceeded the GWSL, and the maximum concentration less than a factor of 20 above the GWSL.
Detected at a rate of 5% or less with no applicable GWSL.
No detections or maximum detected concentration is below groundwater screening level.
Essential Nutrient, macronutrient or salt.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.
[2] USEPA. 2008. Interim Drinking Water Health Advisory for Perchlorate EPA 822-R-08-025. December.
[3] USEPA. 2009. Memorandum: Revised Assessment Guidance for Perchlorate. January 8.
[4] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.
[5] USEPA. National Primary Drinking Water Regulations. Code of Federal Regulations, 40 CFR Part 141.

TABLE 8-1c. STATISTICAL SUMMARY OF OU-2 GROUNDWATER RESULTS, MIDDLE WATER-BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-5]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
General Chemistry	Bicarbonate as HCO_3	mg/L	--	--	86	97	1	1	100	--	--	98	98	98	98	--	--	M-152	--	--
	Bromide	mg/L	13.3	BCL	0.39 J	1.3	1	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Carbonate as CO_3	mg/L	--	--	<2.4	<2.4	1	0	0	<2.4	<2.4	--	--	--	--	--	--	--	--	--
	Chlorate	mg/L	1.0	BCL	<0.010	<0.025	42	20	47.6	<0.0050	<2.0	0.042	48	0.48	6.6	14	2.1	ES-1	8	48
	Chloride	mg/L	--	--	130	140 J-	1	1	100	--	--	82	82	82	82	--	--	M-152	--	--
	Hydroxide	mg/L	--	--	<1.4	<1.4	1	0	0	<1.4	<1.4	--	--	--	--	--	--	--	--	--
	Nitrate (as N)	mg/L	10	MCL	1.5	1.8	10	10	100	--	--	0.17	2.5	2.2	1.7	0.95	0.57	M-152	0	--
	Nitrate Nitrite as N	mg/L	10	MCL	1.5	1.8	1	1	100	--	--	2.4	2.4	2.4	2.4	--	--	M-152	0	--
	Nitrite (as N)	mg/L	1.0	MCL	<0.070	<0.070	1	0	0	<0.070	<0.070	--	--	--	--	--	--	--	--	--
	Perchlorate	mg/L	0.015	PRG	<0.00050	0.0013	52	29	55.8	<0.00050	<0.095	0.0012	45	0.17	3.9	11	2.8	ES-1	24	3,000
	ortho-Phosphate	mg/L	--	--	<0.030	<0.030	1	0	0	<0.030	<0.030	--	--	--	--	--	--	--	--	--
	Sulfate	mg/L	--	--	240	260	1	1	100	--	--	200	200	200	200	--	--	M-152	--	--
Metals	Aluminum	mg/L	33.4	BCL	<0.025	0.031 J-	2	0	0	<0.050	<0.050	--	--	--	--	--	--	--	--	--
	Arsenic	mg/L	0.010	MCL	0.014	0.053	2	2	100	--	--	0.042	0.047	0.044	0.044	0.0035	0.079	M-152	2	4.7
	Boron	mg/L	6.67	BCL	0.77	0.83	2	2	100	--	--	0.76	0.79	0.78	0.78	0.021	0.027	M-152	0	--
	Calcium	mg/L	--	--	43	52	2	2	100	--	--	32	33	32	32	0.71	0.022	M-152	--	--
	Chromium (total)	µg/L	100	MCL	14	22	21	18	85.7	<2.0	<2.5	2.5 J+	45	32	29	14	0.46	TR-12	0	--
	Chromium VI	µg/L	0.0501	BCL	14	16 J-	5	4	80	<0.25	<0.25	2.4	40	30	25	16	0.63	TR-12	4	800
	Iron	mg/L	23.4	BCL	<0.010	<0.010	2	0	0	<0.050	<0.050	--	--	--	--	--	--	--	--	--
	Lead	mg/L	0.015	MCL	<0.0025	<0.0025	2	0	0	<0.0038	<0.0038	--	--	--	--	--	--	--	--	--
	Magnesium	mg/L	189	BCL	19	21	2	2	100	--	--	15	16	16	16	0.71	0.046	M-152	0	--
	Manganese	mg/L	0.801	BCL	<0.010	<0.010	2	0	0	<0.015	<0.015	--	--	--	--	--	--	--	--	--
	Phosphorus (total)	mg/L	33.4	BCL	<0.025	<0.025	1	0	0	<0.025	<0.025	--	--	--	--	--	--	--	--	--
	Potassium	mg/L	--	--	9.0	9.7	2	2	100	--	--	8.5	9.1	8.8	8.8	0.42	0.048	M-152	--	--
	Sodium	mg/L	--	--	170	170	2	2	100	--	--	120	120	120	120	0	0	M-152	--	--
	Strontium	mg/L	20	BCL	1.0 J-	1.2	2	2	100	--	--	1.5	1.6	1.6	1.6	0.071	0.046	M-152	0	--
	Vanadium	mg/L	0.167	BCL	0.031	0.032	2	2	100	--	--	0.023	0.024	0.024	0.024	0.00071	0.03	M-152	0	--
	Zirconium	mg/L	0.00267	BCL	--	--	2	0	0	<0.050	<0.050	--	--	--	--	--	--	--	--	--
VOCs	Benzene	µg/L	5	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Bromobenzene	µg/L	85.2	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Bromochloromethane	µg/L	83.4	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Bromodichloromethane	µg/L	0.135	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Bromoform	µg/L	3.36	BCL	<0.40	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	Bromomethane	µg/L	8.53	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	2-Butanone	µg/L	6,860	BCL	<2.5	<2.5	10	0	0	<2.5	<2.5	--	--	--	--	--	--	--	--	--
	n-Butylbenzene	µg/L	1,670	BCL	<0.40	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	sec-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	tert-Butylbenzene	µg/L	3,340	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	µg/L	5	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Chlorobenzene	µg/L	100	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Chloroethane	µg/L	20,900	BCL	<0.40	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	Chloroform	µg/L	70	MCLG	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Chloromethane	µg/L	188	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	2-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	4-Chlorotoluene	µg/L	667	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Cumene	µg/L	667	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	p-Cymene	µg/L	834	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dibromo-3-chloropropane	µg/L	0.2	MCL	<0.50	<0.50	10	0	0	<0.50	<0.50	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	µg/L	60	MCLG	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dibromoethane	µg/L	0.05	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Dibromomethane	µg/L	8.34	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	µg/L	600	MCL	<0.25	<0.50	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	µg/L	80.7	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	µg/L	75	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Dichlorodifluoromethane	µg/L	202	BCL	<0.25	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethane	µg/L	2.79	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--

TABLE 8-1c. STATISTICAL SUMMARY OF OU-2 GROUNDWATER RESULTS, MIDDLE WATER-BEARING ZONE
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemical Group	Chemical	Unit	Groundwater Screening Levels[1]		Middle Background		No. of Samples	No. of Detects	% Detects	Nondetects		Detects								
			Level	Source[1-5]	Minimum	Maximum				Minimum	Maximum	Minimum	Maximum	Median	Mean	Standard Deviation	Coefficient of Variation	Location of Maximum	No. Above GWSL	Max Sample Ratio to GWSL
VOCs	1,2-Dichloroethane	µg/L	5	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,1-Dichloroethene	µg/L	7	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	cis-1,2-Dichloroethene	µg/L	70	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	trans-1,2-Dichloroethene	µg/L	100	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2-Dichloropropane	µg/L	5	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,3-Dichloropropane	µg/L	667	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	2,2-Dichloropropane	µg/L	--	--	<0.40	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	1,1-Dichloropropene	µg/L	--	--	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	cis-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	µg/L	--	--	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,4-Dioxane	µg/L	0.46	BCL	<0.50	<0.50	10	0	0	<0.50	<0.50	--	--	--	--	--	--	--	--	--
	Ethyl benzene	µg/L	700	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Ethyl tert-butyl ether	µg/L	70	RSL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Hexachlorobutadiene	µg/L	0.203	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Methylene Chloride	µg/L	5	MCL	<0.88	<0.88	10	2	20	<0.88	<0.88	0.98 J	1.2 J	1.1	1.1	0.16	0.14	M-152	0	--
	Naphthalene	µg/L	0.132	BCL	<0.40	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	n-Propylbenzene	µg/L	1,280	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Styrene	µg/L	100	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,1,1,2-Tetrachloroethane	µg/L	0.605	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,1,2,2-Tetrachloroethane	µg/L	0.0775	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	µg/L	5	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Toluene	µg/L	1,000	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2,3-Trichlorobenzene	µg/L	26.7	BCL	<0.40	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	µg/L	70	MCL	<0.40	<0.40	10	0	0	<0.40	<0.40	--	--	--	--	--	--	--	--	--
	1,1,1-Trichloroethane	µg/L	200	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,1,2-Trichloroethane	µg/L	5	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Trichloroethene	µg/L	5	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Trichlorofluoromethane	µg/L	10,000	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,2,3-Trichloropropane	µg/L	0.000835	BCL	<0.0025	<0.40	20	0	0	<0.0025	<0.40	--	--	--	--	--	--	--	--	--
	1,2,4-Trimethylbenzene	µg/L	64.6	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	1,3,5-Trimethylbenzene	µg/L	2,000	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	Vinyl chloride	µg/L	2	MCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--
	m,p-Xylene	µg/L	--	--	<0.50	<0.50	10	0	0	<0.50	<0.50	--	--	--	--	--	--	--	--	--
	o-Xylene	µg/L	202	BCL	<0.25	<0.25	10	0	0	<0.25	<0.25	--	--	--	--	--	--	--	--	--

Notes:

1. Groundwater screening levels (GWSLs).
   MCL: Maximum Contaminant Level, USEPA.
   MCLG: Maximum Contaminant Level Goal, USEPA.
   PRG: Preliminary Remediation Goal, USEPA 2008 and USEPA 2009.
   BCL: Residential Water Basic Comparison Level, NDEP 2023.
   RSL: Regional Screening Levels (RSLs) for tapwater, USEPA 2023.

	Detected at a rate of 5% or less, fewer than 10 samples exceeded the GWSL, and the maximum concentration less than a factor of 20 above the GWSL.
	Detected at a rate of 5% or less with no applicable GWSL.
	No detections or maximum detected concentration is below groundwater screening level.
	Essential Nutrient, macronutrient or salt.

Sources:

[1] NDEP. 2023. User's Guide and Background Technical Document for NDEP Basic Comparison Levels (BCLs) for Human Health for the BMI Complex and Common Areas. Revision 16, June.

[2] USEPA. 2008. Interim Drinking Water Health Advisory for Perchlorate EPA 822-R-08-025. December.

[3] USEPA. 2009. Memorandum: Revised Assessment Guidance for Perchlorate. January 8.

[4] USEPA. 2023. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund sites. May.

[5] USEPA. National Primary Drinking Water Regulations. Code of Federal Regulations, 40 CFR Part 141.

TABLE 8-2. SUMMARY OF SECONDARY COPC SCREENING AND RETAINED COPCs IN OU-2
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical Group	Chemical	RETAINED OU-1 GROUNDWATER COPCs	RESULTS OF INITIAL OU-2 GROUNDWATER SCREENING			RETAINED OU-2 COPCs		
						NERT Off-Site Study Area	Eastside Sub-Area	
			Shallow WBZ (0-40 ft bgs)	Shallow WBZ (~40-90 ft bgs)	Middle WBZ (90-300 ft bgs)	Groundwater	Groundwater	Vadose Zone Soil (below 10 ft)
General Chemistry	Bromide	**X**	X	X		----		
	Chlorate	**X**	X	X	X	**X**	**X** [a]	**X** [b]
	Nitrate	**X**	X	X		**X**		
	Nitrite	**X**	X	X		**X**		
	Perchlorate	**X**	X	X	X	**X**	**X** [a]	**X** [b]
Metals	**Arsenic**	**X**	X	X	X	**X**		
	Boron	**X**	X	X		**X**		
	Chromium (total)	[*]	X	X		[*]		
	Chromium VI	**X**	X	X	X	**X**		
	Iron		X			----		
	Magnesium	**X**	X	X		**X**		
	Manganese	**X**	X			**X**		
	Strontium	**X**	X			----		
	Uranium (total)	**X**	NS	NS	NS	NS		
	Vanadium		X			----		
Radio-nuclides	Thorium-228	**X**	NS	NS	NS	NS		
	Thorium-230	**X**	NS	NS	NS	NS		
VOCs	**Benzene**	**X**	X	X		**X**		
	Bromodichloromethane	**X**	X	X		**X**		
	Bromoform	**X**	X			----		
	Carbon Tetrachloride	**X**	X	X		**X**		
	Chlorobenzene	**X**	X	X		**X**		
	Chloroform	**X**	X	X		**X**		
	1,2-Dichlorobenzene	**X**						
	1,3-Dichlorobenzene	**X**						
	1,4-Dichlorobenzene	**X**						
	1,1-Dichloroethane	**X**	X	X		**X**		

TABLE 8-2. SUMMARY OF SECONDARY COPC SCREENING AND RETAINED COPCs IN OU-2
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical Group	Chemical	RETAINED OU-1 GROUNDWATER COPCs	RESULTS OF INITIAL OU-2 GROUNDWATER SCREENING			RETAINED OU-2 COPCs		
						NERT Off-Site Study Area	Eastside Sub-Area	
			Shallow WBZ (0-40 ft bgs)	Shallow WBZ (~40-90 ft bgs)	Middle WBZ (90-300 ft bgs)	Groundwater	Groundwater	Vadose Zone Soil (below 10 ft)
VOCs (continued)	1,2-Dichloroethane	X						
	1,1-Dichloroethene	X						
	1,4-Dioxane	X	X	X		X		
	Hexachlorobutadiene		X			----		
	Methylene Chloride	X	X	X		----		
	Naphthalene			X		----		
	1,1,2,2-Tetrachloroethane	X						
	Tetrachloroethene	X	X			X		
	Trichloroethene	X	X			----		
	1,2,3-Trichloropropane	X	X	X		X		
Other Organics	4-Chlorobenzenesulfonic Acid	X	NS	NS	NS	NS		
	Formaldehyde	X	NS	NS	NS	NS		

Notes:

COPC: Chemical of potential concern

NS: Not Sampled. The analytes in the OU-2 groundwater sampling program were developed based on reviews of previous investigations and were presented in the RI Data Evaluation Tech Memo which was approved by NDEP.

WBZ: Water-Bearing Zone

X: Chemical retained in initial screening of chemicals in the NERT Off-Site Study Area groundwater; requires secondary screening from Table 8-1 due to detection rate and exceedance of a screening level.

[*]: A detailed analysis of hexavalent chromium to total chromium ratios was performed as part of the 2016 Groundwater Monitoring Optimization Plan. The analysis found that the concentration of total chromium is generally equal to the concentration of hexavalent chromium within the NERT groundwater plume. With NDEP approval, hexavalent chromium was generally eliminated from NERT's on-going monitoring program in 2016. Therefore, total chromium and hexavalent chromium are not regarded as separate COPCs and interpretations of the lateral and vertical extent of chromium in soil and groundwater will primarily rely on total chromium data (rather than hexavalent chromium data).

RETAINED OU-2 COPCs (NERT Off-Site Study Area):

----: Eliminated as a COPC during secondary screening

X: Retained as a groundwater COPC

RETAINED OU-2 COPCs (Eastside Sub-Area):

X [a]: Identified as a Henderson Legacy Chemical to be evaluated in Eastside Sub-Area groundwater. Chemicals in shallow soil (0-10 feet bgs) were evaluated by BRC and have received an NFA.

X [b]: Identified as a Henderson Legacy Chemical to be evaluated in Eastside Sub-Area vadose zone soil (below 10 feet). Chemicals in shallow soil (0-10 feet bgs) were evaluated previously by BRC and have received an NFA.

: Not investigated because COPCs are Administratively Limited

TABLE 8-3a. SUMMARY OF ANALYTICAL RESULTS FOR COPCs IN OU-2 NERT OFF-SITE STUDY AREA MONITORING WELLS
Nevada Environmental Response Trust Site
Henderson, Nevada

Off-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																	
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Nitrate (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (µg/L)	Magnesium (mg/L)	Manganese (mg/L)	Total VOCs (µg/L)	Benzene (µg/L)	Bromo-dichloro-methane (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
				Criteria:	*0.015*	*1.0*	*na*	*0.01*	*6.67*	*100*	*189*	*0.801*	*na*	*5*	*0.135*	*5*	*100*	*70*	*2.79*	*0.46*	*5*	*0.000835*
OU-2 Shallow WBZ (0-40 ft bgs) Wells																						
BHE1-10	10	30	Qal/ UMCf-fg1	Qal	**200**	**240**	46	**0.16**	---	**450**	140	<0.010	2.4	---	---	---	---	2.4	---	---	---	---
H-48	33	43	na	Qal	**5.5**	<1.0	<5.0	<0.0050	<0.25	<25	43	**200**	5.5	1.9	<0.25	<0.25	1.4	<0.25	<0.25	<0.50	<0.25	<0.0025
H-49A	28	48	Qal	Qal	**0.65**	0.32	<13	**0.19**	2.1 J+	<5.0	**400**	**2.7**	390	1.7	<0.25	<0.25	**320**	0.64	**4.8**	**3.2**	0.30 J	<0.0025
H-49R	17	37	Qal	Qal	**340**	**240**	<2.5	**0.20**	6.5	**290**	**250**	<0.015	90	<0.25	<0.25	1.5	<0.25	**86**	<0.25	**1.4 J**	0.54	**0.31**
H-56A	28	58	Qal	Qal	**25**	**8.2**	30	**0.24**	1.9 J+	<2.5	120	**0.89**	7.2	<0.25	<0.25	<0.25	0.75	1.2	<0.25	<0.50	<0.25	<0.0025
H-56R	19	49	Qal	Qal	**20**	**3.0**	19	**0.14**	1.6 J+	<2.5	140	**0.83**	12	<0.25	<0.25	<0.25	<0.25	0.43 J	0.40 J	**0.62 J**	<0.25	<0.0025
H-58A	37	57	Qal/ UMCf-fg1	Qal	**0.22**	<0.10	<13	**0.20**	2.0 J+	<5.0	**320**	**2.9**	110	<0.25	<0.25	<0.25	31	<0.25	2.3	**2.2**	<0.25	**0.0058**
H-58R	20	40	Qal/ UMCf-fg1	Qal	**17**	**3.4 J-**	11	**0.11**	1.8	<2.5	140	0.40	4.6	<0.25	<0.25	<0.25	0.29 J	0.40 J	0.81	**0.84 J**	<0.25	<0.0025
M-44	5	35	Qal/ UMCf-fg1	UMCf-fg1	**560**	**590**	270	**0.17**	**12**	**780**	**240**	<0.015	20	<0.25	<0.25	2.6	<0.25	14	<0.25	**0.88 J**	0.70	**0.29**
M-48A	20	40	Qal/ UMCf-fg1	Qal	**120**	**450 J-**	75	---	---	**2,000**	---	---	250	<0.25	**0.32 J**	1.8	0.32 J	**240**	<0.25	0.63 J	1.2	**0.070**
M-95	12	22	Qal	Qal	**230**	---	---	---	---	**650**	---	---	nm	---	---	---	---	---	---	---	---	---
M-96			Qal	DRY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MC-61	27	47	Qal/ UMCf-fg1	Qal	<0.095	<0.50	<13	**0.096**	2.2	<2.5	**390**	**1.4**	25	<0.25	<0.25	<0.25	13	0.47 J	0.41 J	**3.3**	<0.25	<0.0025
MC-62	25	50	Qal/ UMCf-fg1	Qal	<0.095	<0.50	<13	**0.12**	2.1	<2.5	**390**	**1.5**	170	0.60	<0.25	<0.25	**150**	0.67	1.4	**2.8**	<0.25	<0.0025
MC-63	25	52	Qal	Qal	**340**	**290**	120	**0.15**	**7.0**	**450**	**290**	0.034	12	<0.25	<0.25	<0.25	0.84	3.3	**4.1**	**0.91 J**	0.40 J	**0.13**
MC-64	---	---	na	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MC-65	20	41	Qal/ UMCf-fg1	Qal	**6.5**	**24**	<13	**0.15**	2.6	10	**440**	**1.2**	33	<0.25	<0.25	<0.25	<0.25	3.1	**7.8**	**2.8**	1.4	**0.0076**
MC-65R	20	40	Qal/ UMCf-fg1	UMCf-fg1	**1.4**	**3.6**	<5.0	**0.080**	3.3	<5.0	**490**	**1.6**	15	<0.25	<0.25	<0.25	0.47 J	0.57	**7.1**	**1.5 J**	<0.25	**0.011**
MC-65R2	21	41	Qal/ UMCf-fg1	UMCf-fg1	**2.0**	**5.1**	<12	**0.048**	3.2 J+	<5.0	**480**	**0.94**	32	<0.25	<0.25	<0.25	0.71	0.72	**10**	**1.5 J**	1.2	**0.014**
MC-66	27	47	Qal/ UMCf-fg1	Qal	**270**	**250**	99	**0.13**	6.1	**360**	**310**	**4.7**	14	<0.25	<0.25	0.29 J	<0.25	4.6	**2.9**	**1.1 J**	0.71	**0.078**
MC-67	---	---	na	nm	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-K4	10	50	Qal/ UMCf-fg1	Qal	**41**	**50**	8.7	---	---	49	---	---	17	<0.25	<0.25	<0.25	<0.25	16	<0.25	<0.50	<0.25	**0.016**
PC-18	12	52	Qal	Qal	**83**	**95**	37	---	---	100	---	---	20	<0.25	<0.25	<0.25	<0.25	2.3	**3.9**	**2.8**	0.72	**0.032**
PC-21A	14	34	Qal	Qal	**2.5**	**240**	120	**0.11**	---	86	**440**	<0.020	180	<0.25	<0.25	0.72	<0.25	**110**	<0.25	**4.0**	**68**	**0.016**
PC-24	15	30	Qal/ UMCf-fg1	Qal	**3.7**	**29**	19	**0.079**	---	32	170	<0.010	110	<0.25	<0.25	0.85	<0.25	**110**	<0.25	<0.50	1.2	**0.0077**
PC-28	10	20	Qal/ UMCf-fg1	Qal	**170**	**120**	71	**0.21**	---	**410**	130	<0.010	41	<0.25	<0.25	0.79	<0.25	39	<0.25	<0.50	0.64	**0.082**
PC-31	15	50	Qal	Qal	**36**	**4.8**	17	**0.080**	---	<2.5	---	---	33	<0.25	<0.25	<0.25	0.39 J	0.64	1.4	<0.50	<0.25	<0.0025
PC-37	17	42	Qal/ UMCf-fg1	Qal	**300**	**82**	36	**0.15**	5.8	38	**260**	0.11	6.1	<0.25	<0.25	<0.25	0.75	1.6	<0.25	**2.5**	0.31 J	**0.35**
PC-40	15	55	Qal	Qal	**0.38**	0.14 J	<13	**0.22**	2.1 J+	<5.0	**390**	**3.6**	280	1.4	<0.25	<0.25	**200**	0.76	**5.2**	**4.1**	0.70	**0.0039 J**
PC-40R	15	55	Qal	Qal	**3.7**	**4.2**	<12	**0.16**	2.4 J+	7.2 J	**520**	**2.2**	55	<0.25	<0.25	<0.25	0.42 J	1.3	**17**	**3.8 J**	1.3	**0.018 J**
PC-50	12	42	Qal/ UMCf-fg1	Qal	**50**	**50**	30	**0.14**	---	29	**280**	**1.1**	25	<0.25	<0.25	<0.25	0.33 J	2.0	**3.2**	**2.4**	0.73	**0.022**
PC-54	10	35	Qal/ UMCf-fg1	Qal	**230**	**800 J-**	150	**0.14**	**7.2**	**2,000**	170	<0.080	9.6	<0.25	<0.25	<0.25	<0.25	3.1	<0.25	<0.50	1.7	**0.11**
PC-55	15	55	Qal/ UMCf-fg1	Qal	**20**	**1.2**	9.3	---	---	<2.5	---	---	2.4	<0.25	<0.25	<0.25	<0.25	0.58	1.2	<0.50	<0.25	<0.0025
PC-64	4	19	Qal	Qal	**330**	**320 J-**	310	**0.25**	**7.6**	**770**	170	<0.080	6.2	<0.25	<0.25	<0.25	<0.25	1.7	<0.25	<0.50	1.9	**0.13**
PC-65	4	19	Qal	Qal	**120**	**180 J-**	75	**0.16**	6.6	**350**	160	<0.080	5.9	<0.25	<0.25	<0.25	<0.25	3.0	<0.25	<0.50	2.8	**0.066**
PC-66	7	27	Qal/ UMCf-fg1	Qal	**230**	**570 J-**	140	**0.15**	**6.7**	**1,600**	170	<0.080	8.3	<0.25	<0.25	<0.25	<0.25	1.5	<0.25	**0.52 J**	3.0	**0.11**
PC-67	11	36	Qal	Qal	**14**	**250 J-**	130	**0.17**	2.5	**280**	**260**	<0.080	650	<2.5	<2.5	<2.5	<2.5	**610**	<2.5	**23**	**21**	**0.50**
PC-71	13	28	Qal/ UMCf-fg1	Qal	**320**	**250 J-**	140	**0.26**	**8.9**	**250**	**240**	<0.030	8.0	<0.25	<0.25	0.80	<0.25	5.3	<0.25	**1.1 J**	<0.25	**0.33**
PC-72	15	35	Qal/ UMCf-fg1	Qal	**290**	**160**	89	**0.25**	6.5	**160**	**260**	<0.030	39	<0.25	<0.25	1.0	<0.25	35	<0.25	**1.4 J**	0.95	**0.33**

TABLE 8-3a. SUMMARY OF ANALYTICAL RESULTS FOR COPCs IN OU-2 NERT OFF-SITE STUDY AREA MONITORING WELLS
Nevada Environmental Response Trust Site
Henderson, Nevada

Off-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Nitrate (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (µg/L)	Magnesium (mg/L)	Manganese (mg/L)	Total VOCs (µg/L)	Benzene (µg/L)	Bromo-dichloro-methane (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
				Criteria:	*0.015*	*1.0*	*na*	*0.01*	*6.67*	*100*	*189*	*0.801*	*na*	*5*	*0.135*	*5*	*100*	*70*	*2.79*	*0.46*	*5*	*0.000835*
PC-73	20	45	Qal/ UMCf-fg1	Qal	**580**	**540**	190	**0.14**	**8.8**	**1,000**	**270**	<0.015	14	<0.25	<0.25	0.72	<0.25	8.1	<0.25	**0.99 J**	0.91	**0.23**
PC-101R	20	50	Qal	Qal	**40**	**6.7**	27	---	---	31	---	---	2.3	<0.25	<0.25	<0.25	<0.25	0.82	1.5	<0.50	<0.25	<0.0025
PC-122	23	38	Qal/ UMCf-fg1	Qal	**19**	**210**	110	---	---	**200**	---	---	420	<2.5	<2.5	<2.5	<2.5	**420**	<2.5	**1.1 J**	<2.5	**0.033**
PC-123	20	35	Qal/ UMCf-fg1	Qal	**200**	**400**	93	---	---	**730**	---	---	210	<0.25	<0.25	3.8	<0.25	**200**	<0.25	**0.63 J**	2.2	**0.088**
PC-124	20	35	Qal/ UMCf-fg1	Qal	**6.1**	**140**	100	**0.10**	3.6	76	**320**	<0.080	420	<1.3	<1.3	1.6 J	<1.3	**420**	<1.3	**1.1 J**	1.5 J	**0.026**
PC-125	19	34	Qal/ UMCf-fg1	Qal	**8.5**	**150**	97	---	---	93	---	---	340	<1.0	<1.0	<1.0	<1.0	**340**	<1.0	**1.1 J**	<1.0	**0.020**
PC-126	20	35	Qal	Qal	**25**	**230**	120	**0.073**	---	**240**	**340**	<0.020	550	<0.25	**0.86**	**5.1**	<0.25	**540**	<0.25	**1.7 J**	4.4	**0.048**
PC-127	15	35	Qal/ UMCf-fg1	Qal	**190**	**380**	93	**0.16**	5.5	**700**	**190**	<0.080	130	<0.25	<0.25	2.8	<0.25	**120**	<0.25	**0.64 J**	2.9	**0.099**
PC-128	15	35	Qal/ UMCf-fg1	Qal	**150**	**230**	75	**0.23**	---	**280**	**220**	<0.020	110	<0.25	<0.25	1.7	<0.25	**110**	<0.25	<0.50	<0.25	**0.041**
PC-129	13	38	Qal	Qal	**260**	**370**	100	**0.14**	---	**580**	**210**	<0.020	57	<0.25	<0.25	1.2	<0.25	54	0.52	**0.50 J**	0.72	**0.064**
PC-130	15	50	Qal/ UMCf-fg1	Qal	**260**	**380**	110	**0.21**	5.8	**550**	**210**	<0.080	24	<0.25	<0.25	0.86	<0.25	20	1.0	**0.81 J**	0.57	**0.074**
PC-131	10	40	Qal	Qal	**0.29**	0.061 J	19 J	---	---	<2.5	---	---	22	<0.25	<0.25	<0.25	<0.25	0.85	1.4	**1.7 J**	<0.25	**0.0067**
PC-132	10	40	Qal/ UMCf-fg1	Qal	0.0035 J	<0.025	<12	**0.10**	---	<2.5	**250**	**1.2**	47	<0.25	<0.25	<0.25	7.6	0.33 J	1.4	<0.50	<0.25	**0.0037 J**
PC-135A	31	51	Qal/ UMCf-fg1	Qal	**40**	**6.8**	29	---	---	39	---	---	5.8	<0.25	<0.25	<0.25	<0.25	1.5	2.1	<0.50	<0.25	<0.0025
PC-136	22	42	Qal/ UMCf-fg1	Qal	**140**	**190**	49	---	---	**760**	---	---	98	<0.25	<0.25	0.83	<0.25	**97**	<0.25	<0.50	<0.25	**0.040**
PC-142	22	32	Qal	Qal	**34**	**3.8**	19	---	---	<2.5	---	---	2.6	<0.25	<0.25	<0.25	<0.25	0.75	1.6	<0.50	<0.25	<0.0025
PC-143	30	65	Qal/ UMCf-fg1	Qal	**41**	**8.1**	26	---	---	12	---	---	23	<0.25	<0.25	<0.25	<0.25	19	2.3	<0.50	0.29 J	<0.0025
PC-144	30	40	Qal/ UMCf-fg1	Qal	**150**	**230**	71	---	---	**290**	---	---	38	<0.25	<0.25	0.33 J	<0.25	37	0.37 J	<0.50	0.44 J	**0.039**
PC-145	25	45	Qal/ UMCf-fg1	Qal	**41**	**200**	89	---	---	**240**	---	---	310	<2.5	<2.5	<2.5	<2.5	**310**	<2.5	**1.1 J**	3.2 J	**0.033**
PC-148	25	45	Qal/ UMCf-fg1	UMCf-fg1	**15**	**19**	17	---	---	5.8	---	---	110	<0.25	<0.25	<0.25	<0.25	**110**	1.2	**0.59 J**	<0.25	**0.018**
PC-149	25	45	Qal/ UMCf-fg1	UMCf-fg1	**1.8**	**1.4**	2.8	---	---	<2.5	---	---	14	<0.25	<0.25	<0.25	<0.25	14	0.25 J	<0.50	<0.25	**0.0025 J**
PC-153	10	30	Qal	Qal	**4.8**	<0.050	<0.28	**0.037**	2.2 J+	<2.5	120	**1.0**	30	<0.25	<0.25	<0.25	0.52	<0.25	1.3	**0.65 J**	<0.25	<0.0025
PC-153R	10	30	Qal	Qal	**8.1**	0.16	9.7	**0.053**	2.0	5.0 J	94	**0.85**	15	<0.25	<0.25	<0.25	<0.25	0.68	1.0	<0.50	<0.25	<0.0025
PC-160	9	24	Qal	Qal	**44**	**6.1**	27	**0.11**	2.2	<5.0	110	0.41	11	<0.25	<0.25	<0.25	<0.25	0.74	1.7	<0.50	<0.25	<0.0025
PC-161	9	34	Qal	Qal	**35**	**2.4**	16	**0.15 J**	1.7	<2.5	110	0.78	15	<0.25	<0.25	<0.25	<0.25	0.28 J	0.96	<0.50	<0.25	<0.0025
PC-162	10	45	Qal/ UMCf-fg1	Qal	<0.00095	<0.10	<5.0	**0.16**	2.6	<5.0	**220**	**2.3**	44	<0.25	<0.25	<0.25	6.2	<0.25	1.8	**1.4 J**	<0.25	**0.0039 J**
PC-163	10	25	Qal/ UMCf-fg1	UMCf-fg1	**290**	**310**	82	**0.19**	6.5	**390**	180	<0.015	150	<0.25	<0.25	2.1	<0.25	**150**	<0.25	<0.50	<0.25	**0.064**
PC-164	15	30	Qal	Qal	**5.7**	**96**	96	**0.028**	3.3	77	**240**	<0.030	250	<0.25	<0.25	1.4	<0.25	**250**	<0.25	**0.75 J**	1.7	**0.020**
PC-165	13	38	Qal	Qal	**37**	**2.5**	26	**0.085**	1.7	<2.5	120	**0.91**	6.1	<0.25	<0.25	<0.25	<0.25	<0.25	0.59	<0.50	<0.25	<0.0025
PC-166	12	32	Qal	Qal	**0.027 J**	<0.10	<13	**0.22**	2.7	10	**250**	**2.5**	110	0.28 J	<0.25	<0.25	54	0.27 J	**3.3**	**1.5 J**	<0.25	**0.0066**
PC-167	15	35	Qal/ UMCf-fg1	nm	**230**	**290**	120	**0.17**	6.5	**530**	180	0.041	15	<0.25	<0.25	<0.25	0.29 J	11	<0.25	**0.60 J**	1.8	**0.12**
PC-168	15	35	Qal	Qal	**24**	**320**	170	**0.14**	3.6	**340**	**330**	<0.075	420	<0.25	<0.25	2.3	<0.25	**400**	<0.25	**2.4**	**16**	**0.066**
PC-169	15	30	Qal	Qal	**4.1**	**74**	59	**0.077**	3.9	34	**270**	<0.030	72	<0.25	<0.25	<0.25	<0.25	63	<0.25	**0.95 J**	**5.2**	**0.013**
PC-170	15	50	Qal/ UMCf-fg1	Qal	**0.032 J**	0.13 J	<13	**0.21**	2.1	<2.5	**340**	**3.1**	62	0.38 J	<0.25	<0.25	25	0.59	1.6	**2.6**	<0.25	**0.0045 J**
PC-170R	15	50	Qal/ UMCf-fg1	Qal	<0.00095	<0.050	<13	**0.21**	2.0	<13	**370**	**3.5**	58	<0.25	<0.25	<0.25	15	0.26 J	1.5	**2.3**	<0.25	**0.0063**
PC-171	15	30	Qal/ UMCf-fg1	Qal	**250**	**180**	88	**0.11**	4.3	**270**	100	0.032	11	<0.25	<0.25	0.94	0.38 J	9.7	<0.25	<0.50	<0.25	**0.060**
PC-172	9	24	Qal	DRY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PC-172D	30	50	UMCf-fg1	Qal	**4.5**	**130**	91	**0.097**	3.0	34	**330**	<0.030	150	<0.25	<0.25	0.25 J	<0.25	**140**	<0.25	**0.77 J**	**5.2**	**0.023**
PC-173	15	50	Qal	Qal	**3.3 J-**	**8.6**	<13	**0.15**	2.5	6.0	**470**	**1.5**	290	3.6	<0.25	<0.25	**200**	1.3	**22**	**4.2**	0.74	**0.014**

TABLE 8-3a. SUMMARY OF ANALYTICAL RESULTS FOR COPCs IN OU-2 NERT OFF-SITE STUDY AREA MONITORING WELLS
Nevada Environmental Response Trust Site
Henderson, Nevada

Off-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Nitrate (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (µg/L)	Magnesium (mg/L)	Manganese (mg/L)	Total VOCs (µg/L)	Benzene (µg/L)	Bromo-dichloro-methane (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
				Criteria:	*0.015*	*1.0*	*na*	*0.01*	*6.67*	*100*	*189*	*0.801*	*na*	*5*	*0.135*	*5*	*100*	*70*	*2.79*	*0.46*	*5*	*0.000835*
PC-174	10	25	Qal	Qal	**100**	**340**	140	**0.11**	**7.8**	**1,100**	**190**	<0.030	160	<0.25	<0.25	<0.25	<0.25	**160**	<0.25	**0.90 J**	0.63	**0.066**
PC-175	14	39	Qal	Qal	**6.1**	**270**	170	**0.082**	5.2	99	**590**	<0.030	550	<0.50	<0.50	1.5	<0.50	**530**	<0.50	**1.9 J**	**13**	**0.088**
PC-186	20	35	Qal	Qal	**290**	**210**	470	**0.15**	**7.8**	**490**	160	0.021	7.6	<0.25	<0.25	<0.25	<0.25	1.8	<0.25	<0.50	0.65	**0.12**
PC-187	45	55	UMCf-fg1	Qal	**880 J-**	**1,500 J**	280	**0.027**	**11**	**1,400**	**370**	<0.030	670	<0.25	**1.9**	**9.8**	<0.25	**650**	<0.25	**0.66 J**	<0.25	**0.13**
PC-187R	45	55	UMCf-fg1	Qal	**1,200**	**870**	300	**0.034**	**13**	**1,600**	**290**	<0.075	380	<1.3	**1.5 J**	**7.5**	<1.3	**360**	<1.3	**0.82 J**	<1.3	**0.21**
PC-190	14	34	Qal	Qal	**0.11**	<0.10	<13	**0.14**	2.9	<5.0	170	**2.1**	38	<0.25	<0.25	<0.25	10	0.67	1.4	**1.2 J**	<0.25	**0.0026 J**
PC-191	10	25	Qal	Qal	**61**	**7.9**	61	**0.12**	2.1	<2.5	**200**	<0.015	3.1	<0.25	<0.25	<0.25	<0.25	1.3	1.8	<0.50	<0.25	<0.0025
RI Wells West of OU-2 Boundary																						
PC-151	8	28	Qal/ UMCf-fg1	Qal	**50**	**11**	36	**0.057**	1.8 J+	2.7 J	150	0.39	14	<0.25	<0.25	<0.25	<0.25	1.6	1.2	<0.50	<0.25	<0.0025
PC-152	10	30	Qal/ UMCf-fg1	Qal	**38**	**3.3**	27	**0.054**	1.7 J+	20	130	0.46	18	<0.25	<0.25	<0.25	<0.25	0.52	1.1	<0.50	<0.25	<0.0025
PC-154	8	23	Qal/ UMCf-fg1	Qal	**52**	**8.7**	53	**0.087**	2.1	2.6 J	**220**	0.064	2.8	<0.25	<0.25	<0.25	<0.25	1.4	1.1	<0.50	0.34 J	<0.0025
PC-158	7	22	Qal/ UMCf-fg1	Qal	**52**	**11**	43	**0.11**	2.1	<2.5	160	<0.010	4.4	<0.25	<0.25	<0.25	<0.25	0.95	2.5	**0.50 J**	0.48 J	<0.0025
PC-159	10	25	Qal	Qal	**48**	**9.4**	35	**0.12**	2.1	<5.0	120	0.14	2.6	<0.25	<0.25	<0.25	<0.25	0.62	2.0	<0.50	<0.25	<0.0025
AWF Extraction and Monitoring Wells																						
ARP-1	14	44	Qal/ UMCf-fg1	Qal	**39**	**6.8**	27	---	---	<5.0	---	---	35	<0.25	<0.25	<0.25	22	0.90	2.6	<0.50	0.28 J	<0.0025
ARP-2A	24	54	Qal/ UMCf-fg1	Qal	**41**	**7.7**	31	---	---	7.0	---	---	4.5	<0.25	<0.25	<0.25	<0.25	1.8	1.6	<0.50	<0.25	<0.0025
ARP-3A	21	41	Qal	Qal	**24**	**6.6**	11	---	---	<2.5	---	---	21	<0.25	<0.25	<0.25	<0.25	0.82	1.5	**0.89 J**	<0.25	**0.0031 J**
ARP-4A	18	33	Qal/ UMCf-fg1	UMCf-fg1	**16**	**15**	49	---	---	6.3	---	---	3.4	<0.25	<0.25	<0.25	<0.25	3.4	<0.25	<0.50	<0.25	<0.40
ARP-5A	13	38	Qal/ UMCf-fg1	Qal	**25**	**41**	26	---	---	**530**	---	---	100	<0.25	<0.25	0.62	<0.25	**100**	<0.25	<0.50	<0.25	**0.025**
ARP-6B	28	43	Qal/ UMCf-fg1	Qal	**25**	**170**	84	---	---	**200**	---	---	340	<1.3	<1.3	1.8 J	<1.3	**330**	<1.3	**1.1 J**	2.3 J	**0.028**
ARP-7	14	39	Qal	Qal	**18**	**180**	120	---	---	**170**	---	---	310	<0.63	<0.63	1.3	<0.63	**310**	<0.63	**1.2 J**	1.0 J	**0.025**
ART-1	14	54	Qal/ UMCf-fg1	Qal	**16**	0.47	0.85 J	---	---	<2.5	---	---	nm	---	---	---	---	---	---	---	---	---
ART-1A	19	54	Qal	Qal	**29**	**1.4**	6.2 J+	---	---	<2.5	---	---	nm	---	---	---	---	---	---	---	---	---
ART-2	19	54	Qal	Qal	**17**	**12**	8 J+	---	---	8.0	---	---	nm	---	---	---	---	---	---	---	---	---
ART-2A	21	56	Qal	Qal	**15**	**13**	<12	---	---	7.1	---	---	nm	---	---	---	---	---	---	---	---	---
ART-3	16	46	Qal/ UMCf-fg1	Qal	**260**	**250**	20	---	---	**340**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-3A	18	53	Qal/ UMCf-fg1	UMCf-fg1	**250**	**210**	80 J+	---	---	**340**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-4	19	44	Qal	Qal	**160**	**130**	58 J+	---	---	**160**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-4A	18	43	Qal	Qal	**170**	**310**	71	---	---	**300**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-6	18	38	Qal/ UMCf-fg1	Qal	**90**	**91**	66	---	---	**5,500**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-7	19	39	Qal	Qal	**130**	---	---	---	---	---	---	---	nm	---	---	---	---	---	---	---	---	---
ART-7A	20	40	Qal	Qal	**120**	**290**	130	---	---	**510**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-7B	30	45	Qal	UMCf-fg1	**130**	**330**	120 J+	---	---	**540**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-8	18	48	Qal	Qal	**120**	---	---	---	---	**120**	---	---	nm	---	---	---	---	---	---	---	---	---
ART-8A	22	52	Qal	Qal	**120**	**93**	35	---	---	100	---	---	nm	---	---	---	---	---	---	---	---	---
ART-9	23	43	Qal/ UMCf-fg1	Qal	**210**	**370**	97	---	---	**620**	---	---	nm	---	---	---	---	---	---	---	---	---
PC-150	20	40	Qal/ UMCf-fg1	UMCf-fg1	**83**	**73**	39	---	---	55	---	---	nm	---	---	---	---	---	---	---	---	---

TABLE 8-3a. SUMMARY OF ANALYTICAL RESULTS FOR COPCs IN OU-2 NERT OFF-SITE STUDY AREA MONITORING WELLS
Nevada Environmental Response Trust Site
Henderson, Nevada

Off-Site Monitoring Well ID	Well Screen		Stratigraphic Unit		2015-2018 Sampling Results																
	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Perchlorate (mg/L)	Chlorate (mg/L)	Nitrate (mg/L)	Arsenic (mg/L)	Boron (mg/L)	Chromium (µg/L)	Magnesium (mg/L)	Manganese (mg/L)	Total VOCs (µg/L)	Benzene (µg/L)	Bromo-dichloro-methane (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	Chloroform (µg/L)	1,1-DCA (µg/L)	1,4-Dioxane (µg/L)	PCE (µg/L)	1,2,3-Trichloro-propane (µg/L)
				Criteria:	*0.015*	*1.0*	*na*	*0.01*	*6.67*	*100*	*189*	*0.801*	*na*	*5*	*0.135*	*5*	*100*	*70*	*2.79*	*0.46*	*5*	*0.000835*
OU-2 Shallow WBZ (~40-90 ft bgs) Wells																						
MC-MW-36	53	63	UMCf-fg1	na (1)	**7.4**	<0.010	<0.50	**0.023**	0.88	<2.5	93	0.14	66	**11**	<0.25	<0.25	49 J-	1.6	**2.9**	<0.50	<0.25	<0.0025
MC-MW-37	53	63	UMCf-fg1	na (1)	**120**	**84**	18	**0.024**	1.8	93	**380**	0.030 J	24	<0.25	<0.25	0.34 J	1.8	12	**5.4**	**0.51 J**	<0.25	**0.018**
MC-MW-37R	45	65	UMCf-fg1	na (1)	<0.48	<0.10	0.36 J	**0.046**	0.86	8.2	70	0.053	97	**85**	<0.25	<0.25	6.5	4.6	0.82	<0.50	<0.25	<0.0025
MC-MW-37R2	53	63	UMCf-fg1	na (1)	**6.7**	<0.050	<2.5	**0.029**	2.1 J+	<13	**210**	0.23	86	1.4	<0.25	<0.25	69	3.6	**3.1**	<0.50	0.43 J	**0.0092**
MC-MW-38	48	58	UMCf-fg1	na (1)	<0.48	<0.10	<2.5	**0.034**	2.4	<2.5	**250**	0.39	340	**120**	<0.25	<0.25	**200**	0.34 J	2.5	**1.3 J**	<0.25	**0.034**
PC-134A	60	70	UMCf-fg1	na (1)	**0.030**	0.041	<0.49	---	---	16	---	---	2.6	<0.25	<0.25	<0.25	<0.25	2.6	<0.25	<0.50	<0.25	<0.0025
PC-134D	80	90	UMCf-fg1	na (1)	0.0010 J	<0.010	<1.2	**0.062**	1.4	<2.5	120	0.053	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.0025
PC-137	63	73	UMCf-fg1	na (1)	0.0020	<0.010	<1.2	---	---	<2.5	---	---	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.0025
PC-137D	80	90	UMCf-fg1	na (1)	<0.0010	<0.025	<1.2	**0.026**	2.1	<2.5	180	0.16	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.0025
PC-176	60	75	UMCf-fg1	na (1)	**39**	**39**	21	**0.074**	2.3	18	170	0.22	9.8	0.47 J	<0.25	<0.25	<0.25	3.7	1.7	**0.69 J**	<0.25	**0.016**
PC-177	45	60	UMCf-fg1	na (1)	**1.5**	**2.4**	<1.3	**0.068**	2.5	<2.5	**190**	0.082	3.7	<0.25	<0.25	<0.25	<0.25	3.7	<0.25	<0.50	<0.25	<0.0025
PC-179	35	50	UMCf-fg1	na (1)	**230**	**480**	98	**0.021**	4.2	**720**	**230**	0.018 J	200	<0.25	**0.28 J**	4.7	<0.25	**190**	<0.25	<0.50	<0.25	**0.048**
PC-180	35	45	UMCf-fg1	na (1)	**440**	**320**	170	**0.13**	**8.1**	**270**	**250**	<0.015	11	<0.25	<0.25	1.6	1.7	5.5	<0.25	**1.2 J**	0.47 J	**0.27**
PC-181	55	65	UMCf-fg1	na (1)	**33**	**6.5**	3.2	**0.023**	1.0	2.7 J	99	<0.015	49	<0.25	<0.25	<0.25	1.6	43	<0.25	<0.50	<0.25	**0.0025 J**
PC-182	75	85	UMCf-fg1	na (1)	**0.49**	0.12	0.33 J	**0.034**	0.89	16 J	29	<0.015	6.2	<0.25	<0.25	<0.25	4.7	1.2	<0.25	<0.50	<0.25	<0.0025
PC-183	35	45	UMCf-fg1	na (1)	**840 J-**	**770**	260	**0.043**	**9.3 J+**	**800**	**360**	<0.030	33	<0.25	<0.25	2.9	<0.25	24	<0.25	**0.80 J**	0.31 J	**0.19**
PC-184	55	65	UMCf-fg1	na (1)	**130 J-**	**88**	34	**0.018**	2.5	40	**260**	<0.015	61	0.25 UJ	0.25 UJ	0.32 J-	0.25 UJ	53 J-	0.25 UJ	0.50 UJ	0.25 UJ	**0.013 J-**
PC-185	75	85	UMCf-fg1	na (1)	**68 J-**	**21**	8.0	**0.027**	1.9	11	180	<0.015	74	<0.25	<0.25	<0.25	<0.25	65	<0.25	<0.50	<0.25	**0.0034 J**
PC-188	50	60	UMCf-fg1	na (1)	**100**	**72**	21	**0.042**	1.5	**230**	77	<0.015	430	<0.25	**0.28 J**	**8.6**	<0.25	**420**	<0.25	<0.50	<0.25	**0.084**
PC-189	50	60	UMCf-fg1	na (1)	**72**	**140**	32	**0.021**	1.5	**600**	**210**	<0.015	180	<0.25	**0.54**	1.2	<0.25	**180**	<0.25	<0.50	<0.25	**0.016**
PC-192	35	50	UMCf-fg1	na (1)	**11**	**28**	10	**0.026**	1.2	18	68	<0.015	22	<0.25	<0.25	<0.25	<0.25	22	<0.25	<0.50	<0.25	<0.0025
PC-193	35	50	UMCf-fg1	na (1)	**360**	**310**	73	**0.12**	5.5	**370**	**200**	<0.015	290	<0.25	<0.25	5.0	<0.25	**280**	<0.25	<0.50	<0.25	**0.071**
PC-194	44	59	UMCf-fg1	na (1)	**8.9**	<0.010	<0.50	**0.10**	1.1	<2.5	75	0.091	39	**34**	<0.25	<0.25	3.7	0.51	0.42 J	<0.50	<0.25	<0.0025
PC-195	60	75	UMCf-fg1	na (1)	<0.00095	<0.10	<0.50	**0.12**	1.5	<2.5	98	0.11	1.1	<0.25	<0.25	<0.25	0.33 J	0.77	<0.25	<0.50	<0.25	<0.0025
PC-196	60	75	UMCf-fg1	na (1)	**0.016**	<0.10	<0.50	**0.075**	1.4	<2.5	100	0.051	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.0025
PC-197	60	75	UMCf-fg1	na (1)	**0.60**	**1.1**	0.98 J	**0.064**	1.4	<2.5	110	0.077	4.1	<0.25	<0.25	<0.25	<0.25	4.1	<0.25	<0.50	<0.25	<0.0025
OU-2 Middle WBZ Wells																						
M-152	125	145	UMCf-fg1	na (1)	**0.13**	0.082	10	**0.047**	0.79	32	16	<0.015	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.0025
M-156	175	195	UMCf-fg1	na (1)	<0.00050	<0.0050	2.5	---	---	5.0 J	---	---	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.0025
TR-12	272	292	UMCf-cg2	na (1)	0.0012	<0.025	7.5 J+	---	---	39	---	---	All ND	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.50	<0.25	<0.0025

Notes:

mg/L: milligrams per liter (parts per million)
µg/L: micrograms per liter (parts per billion)
nm: not measured
"---" means the analyte was not tested.
GW table: Groundwater table
na (1): not applicable; deeper well screened below the water table.

bold value: Concentrations above the screening criteria, or perchlorate concentrations between 1 and 100 mg/L.
bold value: Perchlorate concentrations below 1 mg/L and above the screening criterion.
bold value: Perchlorate concentrations above 100 mg/L.
PCE = Tetrachloroethene
1,1-DCA = 1,1-Dichloroethane

J = Estimated value
J- = Estimated value, potential negative bias
J+ = Estimated value, potential positive bias
UJ = The analyte was not detected, and the detection limit is an estimated quantity.

1. "Total VOCs" is the sum of all positive VOC detections using EPA Methods 8260B and 8260SIM. The individual VOC results are shown for those VOCs with detection frequencies greater than 5 percent. "Total VOCs" for which all results were non-detects are marked "All ND".
2. This table shows the most recent result for each chemical. If a field duplicate sample was taken on the date sampled, the higher of the two concentrations is shown in this table.

TABLE 8-3b. SUMMARY OF ANALYTICAL RESULTS FOR COPCs IN OU-2 EASTSIDE SUB-AREA MONITORING WELLS
Nevada Environmental Response Trust Site
Henderson, Nevada

Off-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results		
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Perchlorate (mg/L)	Chlorate (mg/L)
										Criteria:	*0.015*	*1.0*
OU-2 Eastside Sub-Area Shallow WBZ (0-40 ft bgs) Wells												
AA-01	02/25/04	26720238.72	830921.03	1755.02	1757.16	29	49	Qal	Qal	05/11/18	**1.8**	**2.4**
AA-09	04/17/04	26723441.40	831041.59	1694.26	1695.87	30	65	Qal	Qal	04/24/18	**6.3**	**160**
AA-13	06/10/04	26722860.98	833889.39	1722.37	1724.69	38	58	Qal/ UMCf-fg1	na	01/11/18	**0.17**	0.36
AA-18	06/23/04	26727656.38	836690.87	1665.60	1669.00	45	65	Qal/ UMCf-fg1	Qal	03/29/18	**0.24**	0.57
AA-20	07/11/04	26728007.77	831811.79	1625.98	1628.46	10	30	Qal/ UMCf-fg1	UMCf-fg1	04/24/18	**4.0**	**30**
AA-27	07/06/04	26719301.66	832471.34	1787.03	1789.43	62	82	Qal	Qal	04/24/18	**0.23**	0.30
AA-UW1	07/30/07	26719624.99	831427.20	1771.22	1774.45	55	65	UMCf-fg1	Qal	04/20/18	**0.42**	0.82
AA-UW2	08/03/07	26718117.11	832819.54	1817.63	1821.36	55	75	Qal/ UMCf-fg1	UMCf-fg1	03/27/18	**0.069**	0.73
AA-UW3	08/06/07	26718183.94	835097.86	1809.07	1812.72	60	80	Qal/ UMCf-fg1	na	05/25/15	**0.087**	<0.1
AA-UW4	08/07/07	26720029.40	836517.02	1796.79	1800.28	35	55	UMCf-fg1	UMCf-fg1	03/27/18	**0.067**	0.13
AA-UW5	08/08/07	26722899.01	837992.01	1765.05	1768.68	37	57	Qal/ UMCf-fg1	Qal	03/27/18	**0.034**	0.059
AA-UW6	08/08/07	26725565.41	839440.23	1737.01	1740.81	37	57	UMCf-fg1	na	05/29/15	**0.045**	<0.1
BEC-5	09/01/06	26725181.00	834179.00	1689.66	1689.64	54	69	Qal/ UMCf-fg1	UMCf-fg1	04/05/18	**1.3**	**3.1**
BEC-7	09/01/06	26725933.00	832697.00	1662.82	1662.82	45	60	Qal/ UMCf-fg1	UMCf-fg1	04/05/18	**0.49**	**3.4**
BEC-9	09/24/01	26727221.50	833049.52	1647.74	1647.41	44	59	UMCf-fg1	UMCf-fg1	04/05/18	**1.2**	**3.7**
BEC-10	09/01/06	26727623.50	835778.56	1657.38	1657.39	73	88	UMCf-fg1	UMCf-fg1	04/02/18	**16**	**25**
BEC-12	09/01/06	26728991.00	840870.00	1683.50	1683.84	45	60	UMCf-fg1	UMCf-fg1	04/05/18	0.0090	0.059
DBMW-1	06/19/07	26727999.08	830469.80	1624.13	1626.60	19	49	Qal/ UMCf-fg1	Qal	04/23/18	**8.8**	**26**
DBMW-3	06/20/07	26728150.18	831032.81	1623.40	1625.86	19	39	Qal/ UMCf-fg1	Qal	04/24/18	**7.6**	**56**
DBMW-4	07/23/07	26729903.39	832295.68	1603.49	1605.83	10	30	Qal/ UMCf-fg1	Qal	05/08/18	**6.7**	**75**
DBMW-5	07/22/07	26729807.30	833399.07	1606.65	1609.61	15	35	UMCf-fg1	UMCf-fg1	04/02/18	**6.0**	**81**
DBMW-6	06/21/07	26728947.30	834409.71	1629.55	1632.43	30	50	Qal/ UMCf-fg1	nm (dry)	---	---	---
DBMW-7	06/23/07	26729069.98	835304.94	1628.99	1631.61	50	70	UMCf-fg1	UMCf-fg1	04/03/18	**6.2**	**9.5**
DBMW-8	06/24/07	26729026.85	835406.66	1628.99	1632.03	48	68	UMCf-fg1	UMCf-fg1	04/03/18	**11**	**11**
DBMW-9	06/25/07	26727788.85	836248.43	1656.76	1659.92	54	74	UMCf-fg1	UMCf-fg1	03/29/18	**2.3**	**4.4**
DBMW-10	06/26/07	26727918.57	836955.59	1660.83	1663.96	55	75	Qal/ UMCf-fg1	Qal	03/29/18	**1.4**	**2.8**
DBMW-11	07/07/07	26727990.80	837595.56	1664.20	1667.46	45	75	UMCf-fg1	na	06/01/15	**15**	**31**
DBMW-12	07/07/07	26727975.84	838000.96	1666.36	1669.68	45	75	UMCf-fg1	UMCf-fg1	03/29/18	**17**	**30**
DBMW-13	07/08/07	26728026.27	838573.96	1675.93	1678.79	45	75	UMCf-fg1	UMCf-fg1	03/30/18	**13**	**20**
DBMW-14	07/10/07	26728032.25	838999.37	1681.89	1684.96	35	65	Qal/ UMCf-fg1	Qal	04/10/18	**13**	**22**
DBMW-15	07/16/07	26728062.10	839456.96	1690.25	1693.20	40	65	UMCf-fg1	Qal	03/30/18	**0.76**	**1.5**
DBMW-17	07/19/07	26728097.27	840772.27	1709.57	1712.38	52	72	Qal/ UMCf-fg1	Qal	04/03/18	0.0057	0.050
DBMW-18	07/17/07	26727750.53	840571.34	1714.11	1717.15	45	65	Qal/ UMCf-fg1	UMCf-fg1	03/30/18	0.0050 J+	0.11
DM-1	11/19/92	26722024.65	832745.01	1729.11	1727.21	30	55	Qal	Qal	04/24/18	**0.40**	0.96
ES-2	12/20/17	26721263.23	831474.03	1736.23	1738.06	35	55	Qal/ UMCf-fg1	Qal	04/04/18	**19**	**66**
ES-3	12/13/17	26721654.03	830702.56	1722.66	1724.66	25	45	Qal	Qal	03/28/18	**1.6**	**6.4**
ES-10	02/17/18	26728252.65	831010.98	1621.27	1620.87	45	65	UMCf-fg1	UMCf-fg1	04/02/18	**4.0**	**8.1**
ES-11	02/20/18	26728619.00	832629.88	1621.90	1621.60	35	55	UMCf-fg1	UMCf-fg1	04/02/18	**6.6**	**61**

TABLE 8-3b. SUMMARY OF ANALYTICAL RESULTS FOR COPCs IN OU-2 EASTSIDE SUB-AREA MONITORING WELLS
Nevada Environmental Response Trust Site
Henderson, Nevada

Off-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results		
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Perchlorate (mg/L)	Chlorate (mg/L)
										Criteria:	*0.015*	*1.0*
ES-12	01/22/18	26729785.84	832743.14	1605.18	1607.24	45	65	UMCf-fg1	UMCf-fg1	04/02/18	**8.6**	**30**
ES-14A	02/19/18	26727285.86	835854.83	1666.30	1668.51	50	70	UMCf-fg1	UMCf-fg1	05/24/18	**16**	**24**
ES-36	04/16/18	26728075.74	832531.15	1628.61	1630.83	30	45	UMCf-fg1	UMCf-fg1	05/22/18	**5.2**	**44**
HMW-18	na	26721690.00	832673.60	1732.50	1734.90	---	---	na	na	04/12/18	**0.092**	0.14 J
HMWWT1	na	26724079.77	836377.27	1729.66	1729.21	51	66	UMCf-fg1	UMCf-fg1	03/28/18	**2.8**	**5.9**
HMWWT6	04/01/91	26722112.82	837455.79	1774.31	1774.04	36	51	UMCf-fg1	UMCf-fg1	04/26/18	**0.084**	0.072 J
MCF-06C	07/13/04	26729004.80	834945.70	1630.28	1632.95	44	59	UMCf-fg1	UMCf-fg1	05/08/18	**7.1**	**11**
MCF-16C	06/05/04	26726030.18	835846.38	1689.88	1691.98	53	73	Qal/ UMCf-fg1	Qal	04/04/18	**8.9**	**19**
POD7	04/01/82	26724196.90	832881.20	1692.78	1690.92	48	53	Qal/ UMCf-fg1	UMCf-fg1	01/23/18	**1.0**	**1.2**
POD7-R	na	26723526.00	832450.70	1698.60	1698.60	---	---	na	Qal	04/12/18	**2.5**	**37**
POD8	08/20/97	26724789.80	833586.10	1691.16	1691.33	43	73	Qal	Qal	04/24/18	**0.24**	**2.7**
POU3	04/20/99	26721664.71	831329.98	1728.00	1728.51	35	65	Qal/ UMCf-fg1	Qal	04/04/18	**8.1**	**130**
OU-2 Eastside Sub-Area Shallow WBZ (~55-90 ft bgs) Wells												
ES-4	12/14/17	26721583.57	831228.81	1726.94	1728.79	70	90	UMCf-fg1	na (1)	04/04/18	**23**	**220**
ES-5	12/16/17	26723491.09	831093.61	1690.42	1692.31	70	85	UMCf-fg1	na (1)	04/05/18	**3.6**	**50**
ES-6	01/03/18	26725467.31	830695.51	1658.65	1660.84	55	75	UMCf-fg1	na (1)	04/12/18	**4.0**	**14**
ES-7	01/09/18	26725608.57	833810.27	1678.43	1680.45	60	80	UMCf-fg1	na (1)	04/12/18	**4.5**	**7.3**
ES-8A	02/17/18	26724135.49	835755.84	1716.68	1718.86	60	80	UMCf-fg1	na (1)	03/27/18	**15**	**26**
ES-9	02/21/18	26726278.80	835860.89	1681.57	1681.15	80	100	UMCf-fg1	na (1)	04/17/18	**0.053 J+**	0.56
ES-15	03/20/18	26728091.96	836663.80	1655.28	1654.91	70	90	UMCf-fg1	na (1)	04/16/18	**1.5**	**2.2**
ES-16	03/01/18	26728120.10	837795.33	1660.84	1660.56	80	100	UMCf-fg1	na (1)	05/24/18	**0.39**	0.25
ES-17	03/20/18	26728096.46	838317.31	1666.55	1666.15	80	100	UMCf-fg1	na (1)	05/24/18	**0.030 J**	<0.10
ES-28	01/07/18	26720624.95	833324.53	1758.96	1761.00	65	85	UMCf-fg1	na (1)	04/09/18	**0.052 J-**	0.099 J
ES-29	01/06/18	26721162.00	835197.47	1763.49	1765.54	60	80	UMCf-fg1	na (1)	02/17/18	**0.11**	0.17
ES-30	01/07/18	26725401.87	831683.05	1665.33	1667.45	73	93	UMCf-fg1	na (1)	04/09/18	**4.3 J-**	**69**
ES-31	01/04/18	26726968.30	832204.06	1643.92	1646.08	55	75	UMCf-fg1	na (1)	04/09/18	**6.3 J-**	**130**
ES-32	02/03/18	26723507.75	832493.20	1695.93	1697.91	72	92	UMCf-fg1	na (1)	04/12/18	**9.9**	**37**
MCF-01B	05/22/04	26720256.83	830888.59	1753.95	1756.28	55	85	UMCf-fg1	na (1)	03/26/18	**1.2**	**3.0**
MCF-03B	06/07/04	26721066.60	836813.17	1783.46	1785.72	57	77	UMCf-fg1	na (1)	03/27/18	**0.075**	0.071
MCF-06B	07/12/04	26729012.56	834930.85	1630.27	1633.01	67	82	UMCf-fg1	na (1)	05/09/18	**3.3**	**3.7**
MCF-12B	04/22/04	26727374.14	840058.24	1712.74	1714.88	64	84	UMCf-fg1	na (1)	06/04/15	**4.2**	**5.3**
OU-2 Eastside Sub-Area Middle WBZ Wells												
DBMW-16	07/19/07	26728557.03	840514.78	1691.08	1694.14	85	110	Qal/ UMCf-fg1	na (1)	03/30/18	0.011 J+	0.042
ES-1	01/09/18	26720247.99	831068.03	1753.54	1755.57	95	110	UMCf-fg1	na (1)	03/26/18	**45**	**48**
ES-8B	02/16/18	26724142.40	835743.11	1716.60	1718.56	90	110	UMCf-fg1	na (1)	04/09/18	**3.8 J-**	**6.7**
ES-13	01/24/18	26728997.78	834911.16	1630.62	1632.52	90	105	UMCf-fg1	na (1)	05/09/18	**2.8**	**1.6**
ES-14B	02/18/18	26727300.99	835854.63	1665.37	1667.46	100	115	UMCf-fg1	na (1)	04/17/18	**0.016 J+**	<0.10
ES-18	03/05/18	26728133.54	839215.94	1679.58	1679.25	90	110	UMCf-fg1	na (1)	05/24/18	**0.081**	<0.050
ES-19	03/05/18	26728425.58	840084.16	1685.46	1685.15	157	177	UMCf-fg1	na (1)	04/10/18	**0.22**	0.72

TABLE 8-3b. SUMMARY OF ANALYTICAL RESULTS FOR COPCs IN OU-2 EASTSIDE SUB-AREA MONITORING WELLS
Nevada Environmental Response Trust Site
Henderson, Nevada

Off-Site Monitoring Well ID	Date Installed	Surveyed Coordinates		Elevation		Well Screen		Stratigraphic Unit		2015-2018 Sampling Results		
		Northing (ft)	Easting (ft)	Ground Surface (ft msl)	Top of Casing (ft msl)	Top (ft bgs)	Bottom (ft bgs)	Screened Unit(s)	GW table in Unit	Date Sampled	Perchlorate (mg/L)	Chlorate (mg/L)
										Criteria:	*0.015*	*1.0*
ES-20	02/02/18	26727738.94	840584.03	1716.20	1718.10	91	111	UMCf-fg1	na (1)	04/10/18	0.0090	0.13
MCF-05	07/14/04	26728512.87	832871.14	1625.00	1627.26	221	231	UMCf-fg1	na (1)	04/03/18	**0.65**	0.11 J
MCF-09B	06/18/04	26723449.62	831019.19	1693.00	1695.77	105	125	UMCf-fg1	na (1)	04/05/18	<0.00095	<0.010
MCF-09A	04/17/04	26723427.11	831024.27	1694.26	1695.87	270	290	UMCf-fg1	na (1)	04/05/18	<0.0048	<0.10
MCF-11	07/02/04	26725461.46	830656.16	1657.75	1659.95	94	104	UMCf-fg1	na (1)	04/12/18	**0.13**	<0.050
MCF-16B	06/03/04	26726026.53	835867.57	1689.75	1692.26	284	314	UMCf-fg1	na (1)	04/04/18	<0.048	<0.50
MCF-24B	06/20/09	26725619.34	833839.35	1680.00	1684.60	150	170	UMCf-fg1	na (1)	04/05/18	<0.048	<0.50
MCF-32B	06/17/09	26724074.91	835753.14	1728.31	1732.70	140	160	UMCf-fg1	na (1)	03/27/18	<0.00095	<0.050
OU-2 Eastside Sub-Area Deep WBZ Wells												
MCF-01A	05/21/04	26720244.86	830905.30	1754.44	1756.61	335	355	UMCf-fg1	na (1)	03/26/18	<0.00095	<0.050
MCF-03A	02/14/04	26721058.78	836835.26	1783.23	1784.06	364	384	UMCf-fg1	na (1)	03/27/18	<0.00095	<0.010
MCF-06A-R	03/31/08	26729028.09	834929.39	1630.00	1632.77	353	373	UMCf-fg1	na (1)	04/09/18	<0.048	<1.0
MCF-16A	03/24/04	26726023.30	835886.90	1689.67	1691.66	365	385	UMCf-fg1	na (1)	04/03/18	<0.048	<0.50
MCF-20A	03/26/08	26728860.07	833381.19	1622.99	1626.23	340	380	UMCf-fg1	na (1)	04/03/18	<0.048	<1.0
MCF-24A	04/17/08	26725570.88	833661.11	1674.07	1676.98	355	375	UMCf-fg1	na (1)	04/04/18	**2.8**	<0.50
MCF-27	07/06/04	26719293.06	832488.10	1787.03	1789.43	362	382	UMCf-fg1	na (1)	03/27/18	<0.00095	<0.010
MCF-32A	06/17/09	26724066.56	835743.75	1727.88	1732.26	350	370	UMCf-fg1	na (1)	03/28/18	<0.00095	<0.050

Notes:

µg/L: micrograms per liter (parts per billion)
mg/L: milligrams per liter (parts per million)
GW table: Groundwater table
na: not available
na (1): not applicable; deeper well screened below the water table.
nm: not measured
"---" means the analyte was not tested.
bold value: Concentrations above the screening criteria, or perchlorate concentrations above 1 mg/L.
bold value: Perchlorate concentrations below 1 mg/L and above the screening criterion.
1. If a field duplicate sample was taken on the date sampled, the higher of the two concentrations is shown in this table for each chemical.

J = Estimated value
J- = Estimated value, potential negative bias
J+ = Estimated value, potential positive bias
UJ = The analyte was not detected, and the detection limit is an estimated quantity.

TABLE 8-4a. OU-2 COMMERCIAL ZONE SOIL GAS RESULTS, 5 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-2				RISG-3			RISG-6			RISG-27		RISG-28			RISG-30			RISG-52	RISG-53	RISG-54	RISG-55	RISG-56	RISG-76	RISG-77	RISG-78
			5 ft bgs				5 ft bgs			5 ft bgs			5 ft bgs		5 ft bgs			5 ft bgs			5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	4.5 ft bgs	5 ft bgs
			3/19/2015	3/14/2019	11/12/2019	11/12/2019 (FD)	3/06/2015	3/15/2019	11/13/2019	3/22/2019	11/13/2019	11/13/2019 (FD)	3/15/2019	11/15/2019	3/08/2019	11/13/2019	11/13/2019 (FD)	3/15/2019	11/13/2019	11/13/2019 (FD)	12/11/2019	12/11/2019	12/10/2019	12/10/2019	12/10/2019	12/16/2019	11/22/2019	12/02/2019
Acetone	676,000,000	µg/m³	**140**	**20 J**	<7.3	<6.8	**37 J**	**9.8 J**	<6.7	<25	<38	<36	**34**	<3.9	**21 J**	**5.3**	**7.7**	**36**	<1.8	<1.8	**9.9**	**17**	**12 J**	<6.4	**18 J**	**15 J**	**120**	**10**
Acrolein	434	µg/m³	<0.23	--	<21	<20	<0.23	--	<19	--	ND	ND	--	ND	--	<2.1	<2.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	881	µg/m³	<0.61	--	<20	<18	<0.61	--	<18	--	<8.1	<7.8	--	<11	--	<2.0	<1.9	--	<4.8	<4.9	<1.8	<1.7	<20	<17	<29	<0.63	<24	<2.1
Benzene	9,780	µg/m³	**7**	**1.5 J**	<1.7	<1.6	**5.8**	<2.5	<1.6	<15	<3.6	<3.5	**1.3 J**	<0.92	**1.6 J**	**0.48**	**0.38**	**8.0**	**9.9**	**10**	**1.9**	**0.23 J**	<1.8	<1.5	<3.4	**1.1 J**	**4.3 J**	**0.82**
Benzyl chloride	2,150	µg/m³	<0.38	<4.2	<1.9	<1.7	<0.38	<8.5	<1.7	<50	<4.6	<4.3	<4.2	<1.0	<4.2	<0.19	<0.18	<4.2	<0.45	<0.46	<0.17	<0.16	<1.9	<1.6	<5.9	<2.6	<4.9	<0.20
Bromodichloromethane	3,210	µg/m³	<0.011	<2.2	<4.4	<4.1	**6.2**	<4.5	<4.1	<26	<5.8	<5.5	<2.2	<2.4	<2.2	<0.44	<0.42	**5.8 J**	**45**	**46**	<0.41	**10**	<4.5	<3.8	<6.8	<2.6	**11 J**	**4.5**
Bromoform	166,000	µg/m³	<0.22	<3.6	<4.4	<4.2	<0.22	<7.3	<4.1	<43	<5.0	<4.8	<3.6	<2.4	<3.6	<0.44	<0.42	<3.6	<1.1	<1.1	<0.42	<0.39	<4.5	<3.9	<12	<4.6	<9.8	<0.47
2-Butanone	128,000,000	µg/m³	**44 J**	<2.9	<5.5	<5.2	<3.9	<5.9	<5.1	<35	<11	<10	**4.9 J**	<3.0	**6.2 J**	**0.56 J**	**0.76 J**	**7.5 J+**	<1.3	<1.4	**2.2 J**	**2.6**	<5.6	<4.8	**14 J**	<1.7	<6.8	**1.7 J**
Carbon disulfide	16,200,000	µg/m³	**2**	**28**	<4.9	**14 J**	**1.3 J**	<2.5	<4.5	<14	<59	<56	**19**	<2.6	**17**	<0.49	**1.8 J**	**8.9 J**	<1.2	<1.2	**40**	**3.0**	**12 J**	**14 J**	<6.1	**3.8 J**	**42**	**21**
Carbon tetrachloride	19,500	µg/m³	**65**	**38**	**26**	**26**	**300**	**12 J**	**5.8**	**210 J**	**320**	**320**	**37**	**26**	<2.0	**0.64**	**0.67**	**2.2 J**	**2.6**	**2.4**	**1.1**	**0.80**	**340**	**140**	**71**	**14**	**12 J**	**1.6**
Chlorobenzene	1,670,000	µg/m³	**0.5 J**	<1.5	<2.2	<2.0	<0.16	<3.0	<2.0	<18	<2.4	<2.3	<1.5	**1.4 J**	**2.3 J**	**1.2**	**1.2**	**2.3 J**	**4.8**	**5.4**	<0.20	<0.19	<2.2	<1.9	<4.9	<1.3	<4.1	**0.37 J**
Chloroethane	237,000,000	µg/m³	<0.35	<4.1	**0.52 J**	<0.33	<0.35	<8.2	<0.33	<48	<16	<15	<4.1	**0.30 J**	<4.1	**0.21 J**	**0.22 J**	**140**	**160**	**160**	**0.069 J**	<0.031	**0.48 J**	**1.3 J**	<5.5	<0.10	<4.6	**0.064 J**
Chloroform	3,830	µg/m³	**4,400**	**1,800**	**1,500**	**1,500**	**5,200**	**940**	**690**	**7,500**	**10,000**	**11,000**	**830**	**740**	**67**	**35**	**35**	**110**	**270**	**270**	**19**	**140**	**3,200**	**2,200**	**5,000**	**830**	**3,200**	**110**
Chloromethane	1,810,000	µg/m³	**1.6**	<2.0	<0.45	<0.42	<0.12	<4.1	<0.42	<24	<14	<13	<2.0	<0.24	<2.0	**0.15 J**	**0.14 J**	<2.0	**0.20 J**	**0.22 J**	**0.11 J**	**0.047 J**	<0.46	<0.39	<15	<0.23	<13	**0.068 J**
Cyclohexane	182,000,000	µg/m³	**9.8 J**	--	<1.7	<1.6	<0.38	--	<1.6	--	<4.9	<4.6	--	<0.91	--	<0.17	<0.16	--	**1.0 J**	**0.75 J**	**0.42 J**	<0.15	**2.7 J**	<1.5	<4.8	<1.3	<4.0	<0.18
1,2-Dibromo-3-chloropropane	32.5	µg/m³	<0.0056	--	<88	<83	<0.0056	--	<81	--	<16	<15	--	<47	--	<8.8	<8.4	--	<21	<22	<8.3	<7.8	<90	<77	<130	<51	<110	<9.4
Dibromochloromethane	--	µg/m³	<0.0048	<3.4	<4.7	<4.4	**0.88 J**	<6.8	<4.3	<40	<4.9	<4.7	<3.4	<2.5	<3.4	<0.47	<0.45	<3.4	**5.4**	**5.8**	<0.44	<0.42	<4.8	<4.1	<11	<2.6	<9.1	**2.4**
1,2-Dibromoethane	255	µg/m³	<0.0037	<2.9	<0.44	<0.41	**0.09 J**	<5.8	<0.40	<34	<4.6	<4.4	<2.9	<0.24	<2.9	<0.044	<0.042	<2.9	<0.10	<0.11	**0.098 J**	<0.039	<0.45	<0.38	<10	<0.76	<8.6	**0.093 J**
1,2-Dichlorobenzene	8,490,000	µg/m³	<0.16	<3.9	<2.0	<1.9	<0.16	<7.9	<1.8	<47	<4.6	<4.4	<3.9	<1.1	<3.9	<0.20	<0.19	<3.9	<0.48	<0.50	<0.19	<0.18	<2.1	<1.8	<8.9	4.3 UJ	<7.4	<0.21
1,3-Dichlorobenzene	6,980,000	µg/m³	<0.26	**4.3 J**	**5.8 J**	**3.6 J**	<0.26	<6.7	<3.5	<39	<2.3	<2.2	<3.3	<2.0	**6.2 J**	**5.6**	**6.3**	<3.3	**2.6 J**	**3.5**	**0.66 J**	**1.6**	<3.9	<3.3	<8.1	<3.6	**20**	**1.0 J**
1,4-Dichlorobenzene	11,000	µg/m³	<0.62	<4.5	<1.2	<1.2	<0.62	<9.0	<1.1	<53	<4.8	<4.6	<4.5	<0.67	<4.5	**0.15 J**	**0.13 J**	<4.5	<0.30	<0.31	<0.12	<0.11	<1.3	<1.1	<8.5	0.85 UJ	<7.1	<0.13
Dichlorodifluoromethane	3,180,000	µg/m³	**3.2**	**4.2 J**	**3.4**	**3.6**	**5.3**	<7.2	**2.7**	<43	<4.3	<4.1	**3.8 J**	**2.7**	**4.1 J**	**2.6**	**2.6**	**3.7 J**	**2.5**	**2.6**	**2.7**	**2.6**	**3.0**	**2.8**	<6.3	**2.5**	<5.3	**2.4**
1,1-Dichloroethane	50,800	µg/m³	**5.1**	<1.5	<0.49	<0.46	**5**	<2.9	**0.52 J**	<17	<6.2	<6.0	<1.5	<0.26	<1.5	**0.053 J**	<0.047	**120**	**120**	**120**	**0.25**	<0.043	**1.6**	**0.52 J**	<5.2	<0.14	<4.3	**0.15 J**
1,2-Dichloroethane	3,050	µg/m³	**0.089 J**	<1.8	<0.27	<0.25	**0.22 J**	<3.6	<0.25	<21	<3.4	<3.2	<1.8	<0.14	<1.8	<0.027	<0.026	**2.1 J**	**4.4**	**4.4**	<0.025	<0.024	<0.28	<0.24	<7.1	<0.17	<5.9	**0.040 J**
1,1-Dichloroethene	5,640,000	µg/m³	**93**	**5.7 J**	**1.3**	**1.4**	**46**	**12 J**	**2.8**	**68 J**	**67**	**60**	<1.4	<0.31	<1.4	<0.058	<0.056	**5.7 J**	**5.1**	**5.2**	<0.054	<0.051	**6.3**	<0.50	**57**	<0.12	**19**	**0.088**
cis-1,2-Dichloroethene	1,100,000	µg/m³	**11**	<1.8	<0.51	<0.48	**1.1 J**	<3.6	<0.47	<21	<5.6	<5.3	<1.8	<0.27	<1.8	<0.051	<0.049	<1.8	**0.78**	**0.83**	<0.048	<0.045	<0.52	<0.44	<3.7	<0.14	<3.1	<0.054
trans-1,2-Dichloroethene	1,110,000	µg/m³	**1.1 J**	<2.0	<0.55	<0.52	<0.21	<4.0	<0.51	<24	<7.6	<7.2	<2.0	<0.30	<2.0	<0.055	<0.053	<2.0	**0.82 J**	**0.77 J**	<0.052	<0.049	<0.57	<0.48	<4.0	<0.13	<3.3	<0.059
1,2-Dichloropropane	24,900	µg/m³	<0.01	<5.5	<2.0	<1.9	<0.01	<11	<1.9	<66	<7.9	<7.6	<5.5	<1.1	<5.5	<0.20	<0.20	<5.5	<0.49	<0.50	<0.19	<0.18	<2.1	<1.8	<9.3	<1.1	<7.8	<0.22
1,4-Dioxane	9,860	µg/m³	<0.13	--	<3.5	<3.3	<0.13	--	<3.2	--	<6.7	<6.4	--	<1.9	--	<0.35	<0.33	--	<0.84	<0.86	<0.33	<0.31	<3.6	<3.0	<26	<0.63	<21	<0.37
Ethanol	1,510,000,000	µg/m³	**26 J**	--	3.6 UJ	3.3 UJ	**15 J**	--	3.3 UJ	--	14 UJ	13 UJ	--	**4.2 J**	--	**2.7 J**	**2.8 J**	--	0.85 UJ	0.87 UJ	**5.7 J**	**7.6 J**	**4.6 J**	3.1 UJ	**23 J**	**8.3 J+**	<14	**3.3 J**
Ethyl acetate	2,020,000	µg/m³	<0.36	--	<33	<31	<0.36	--	<30	--	<6.9	<6.6	--	<18	--	<3.3	<3.2	--	<7.9	<8.1	<3.1	<2.9	<34	<29	<48	<19	<40	<3.5
Ethyl benzene	39,400	µg/m³	**7.2**	**1.5 J**	<1.0	<0.98	**4.3**	<2.8	<0.96	<16	<4.6	<4.4	**1.8 J**	<0.56	**1.9 J**	**0.24**	**0.17**	**1.4 J**	**0.61**	**0.46**	**0.80**	**0.24**	<1.1	<0.91	<5.8	**0.54 J**	<4.9	**0.64**
4-Ethyltoluene	12,900,000	µg/m³	**3.8**	<4.6	<2.1	<2.0	**0.58 J**	<9.3	<1.9	<55	<3.4	<3.2	<4.6	**1.2 J**	<4.6	**0.23 J**	<0.20	<4.6	**1.4 J**	**1.0 J**	<0.20	<0.18	<2.1	<1.8	<4.3	1.4 UJ	<3.6	**0.53 J**
Freon 113	315,000,000	µg/m³	**0.56 J**	<6.2	<2.8	<2.6	**0.73 J**	<13	<2.5	<74	<11	<10	<6.2	<1.5	<6.2	**0.61 J**	**0.55 J**	<6.2	<0.66	<0.68	**0.68 J**	**0.54 J**	<2.8	<2.4	<12	<5.3	<10	**0.54 J**
n-Heptane	15,600,000	µg/m³	**7.3 J**	--	<2.5	<2.4	<5.7	--	<2.3	--	<4.8	<4.6	--	<1.4	--	<0.25	<0.24	--	<0.61	<0.62	<0.24	<0.22	<2.6	<2.2	<4.4	<2.0	<3.7	<0.27
Hexachlorobutadiene	11,200	µg/m³	**0.63 J**	<23	<33	<31	<0.15	<47	<30	<270	<15	<14	<23	<18	<23	<3.3	<3.2	<23	<8.0	<8.1	<3.1	<2.9	<34	<29	<18	<8.4	<15	<3.5
n-Hexane	23,100,000	µg/m³	**24**	--	<3.6	<3.4	**2.6 J**	--	<3.3	--	<8.6	<8.3	--	<1.9	--	<0.36	<0.35	--	<0.87	<0.89	**0.44 J**	<0.32	**8.0 J**	<3.2	<4.5	<2.3	<3.7	<0.38
2-Hexanone	996,000	µg/m³	**4**	<1.8	<9.5	<8.9	<0.16	<3.6	<8.7	<21	<3.5	<3.4	<1.8	<5.1	<1.8	<0.95	<0.91	<1.8	<2.3	<2.3	<0.89	<0.84	<9.7	<8.2	<13	1.8 UJ	<11	<1.0
Methylene Chloride	6,870,000	µg/m³	**0.97 J**	<1.3	<1.8	<1.7	**4.5**	<2.5	<1.7	**16 J**	<4.7	<4.5	**2.0 J**	<0.99	**1.3 J**	**1.1 J**	**0.95 J**	**25**	**28**	**28**	**0.40 J**	**0.51 J**	<1.9	<1.6	<10	<3.4	<8.6	**0.35 J**
Methylmethacrylate	22,300,000	µg/m³	<0.42	--	<37	<35	<0.42	--	<34	--	<8.7	<8.3	--	<20	--	<3.7	<3.6	--	<9.0	<9.2	<3.5	<3.3	<38	<32	<140	<21	<110	<4.0
Naphthalene	3,230	µg/m³	**1.4 J**	--	<0.81	<0.76	**1.2 J**	--	<0.75	--	<6.5	<6.2	--	<0.44	--	**0.49**	**0.44 J**	--	<0.19	<0.20	**0.096 J**	**0.094 J**	<0.83	<0.71	<1.8	<0.34	<1.5	**0.20 J**
4-Methyl-2-pentanone	101,000,000	µg/m³	**11**	<2.8	<1.8	<1.7	**1.5 J**	<5.6	<1.7	<33	<17	<16	<2.8	<0.99	<2.8	<0.18	<0.18	<2.8	<0.44	<0.45	<0.17	<0.16	<1.9	<1.6	<5.2	<1.3	<4.4	<0.20
Styrene	33,900,000	µg/m³	**0.91 J**	<1.3	<0.84	<0.78	<0.21	<2.5	<0.77	<15	<2.6	<2.5	<1.3	<0.45	<1.3	<0.084	<0.080	<1.3	<0.20	<0.20	**0.11 J**	**0.13 J**	<0.86	<0.73	<4.0	<0.63	<3.3	<0.089
1,1,1,2-Tetrachloroethane	18,600	µg/m³	**0.065 J**	--	<63	<59	<0.007	--	<58	--	<4.8	<4.6	--	<34	--	<6.3	<6.0	--	<15	<15	<5.9	<5.5	<64	<54	<92	<1.0	<77	<6.6
1,1,2,2-Tetrachloroethane	2,320	µg/m³	<0.0076	<2.4	<0.83	<0.78	<0.0076	<4.8	<0.76	<28	<4.1	<3.9	<2.4	<0.44	<2.4	<0.083	<0.079	<2.4	<0.20	<0.20	<0.078	<0.073	<0.85	<0.72	<10	<0.23	<8.4	<0.088
Tetrachloroethene	508,000	µg/m³	**7,800**	**67**	**52**	**48**	**240**	**1,800**	**1,400**	**180**	**330**	**350**	**72**	**48**	**110**	**100**	**110**	**68**	**110**	**120**	**12**	**2.4**	**250**	**11**	**74**	**9.3**	**570**	**170**
Tetrahydrofuran	47,800,000	µg/m³	<0.21	--	<11	<10	<0.21	--	<9.8	--	<2.2	<2.1	--	**6.6 J**	--	<1.1	<1.0	--	<2.6	<2.6	**1.1 J**	<0.94	<11	<9.3	<5.4	<2.0	<4.4	<1.1
Toluene	156,000,000	µg/m³	**27**	**5.4 J**	<1.0	<0.98	**6.1**	<1.9	<0.96	**15 J**	<3.6	<3.5	**4.9 J**	**4.3**	**3.4 J**	**1.0 J**	**0.57 J**	**6.7 J**	**2.2**	**1.4**	**8.0**	**1.4**	**4.7**	**6.2**	<4.0	**5.5**	**62**	**7.2**
1,2,4-Trichlorobenzene	119,000	µg/m³	**3.6 J**	<16	25 UJ	23 UJ	<0.17	<33	23 UJ	<190	<9.1	<8.7	<16	13 UJ	<16	2.5 UJ	2.4 UJ	<16	5.9 UJ	6.0 UJ	2.3 UJ	2.2 UJ	25 UJ	21 UJ	<19	<7.0	<16	2.6 UJ
1,1,2-Trichloroethane	6,270	µg/m³	<0.012	<1.8	<0.61	<0.57	<0.012	<3.7	<0.56	<22	<5.2	<5.0	<1.8	<0.32	<1.8	<0.061	<0.058	<1.8	<0.14	<0.15	<0.057	<0.053	<0.62	<0.53	<8.1	<0.21	<6.7	<0.064
Trichloroethene	23,900	µg/m³	**110**	**3.1 J**	**2.6**	**2.5**	**25**	**31**	**26**	<34	**35 J**	**37 J**	<2.8	**0.96 J**	<2.8	**1.4**	**1.4**	**160**	**240**	**240**	**0.17 J**	<0.12	**19**	**6.3**	**31**	**0.94 J**	**37**	**3.1**
Trichlorofluoromethane	--	µg/m³	**1.2 J**	<5.5	<2.1	<2.0	**1.7 J**	<11	<1.9	<66	<8.2	<7.9	<5.5	**1.5 J**	<5.5	**2.2**	**2.1**	<5.5	**1.2 J**	**1.3 J**	**2.4**	**1.4**	<2.2	<1.8	**15 J**	**1.7 J**	<5.0	**1.2**
1,2,4-Trimethylbenzene	2,370,000	µg/m³	**11**	**4.7 J**	<2.0	<1.8	**1.6 J**	<8.0	<1.8	<47	<7.1	<6.8	<4.0	**2.7 J**	<4.0	**0.78 J**	**0.56 J**	<4.0	**5.3**	**4.9**	**0.34 J**	**0.35 J**	<2.0	<1.7	<5.6	<1.5	**8.8 J**	**3.5**
1,3,5-Trimethylbenzene	2,390,000	µg/m³	**4.9**	<3.1	<1.8	<1.7	<0.35	<6.2	<1.6	<37	<5.6	<5.4	<3.1	<0.96	<3.1	**0.19 J**	<0.17	<3.1	**1.5 J**	**1.2 J**	<0.17	<0.16	<1.8	<1.6	<7.3	<1.3	<6.0	<0.19
Vinyl acetate	5,700,000	µg/m³	**19**	<2.6	<15	<14	<0.61	<5.2	<14	<30	<20	<19	<2.6	<8.2	<2.6	<1.5	<1.4	<2.6	<3.6	<3.7	<1.4	<1.3	<16	<13	<13	<1.7	<11	<1.6
Vinyl chloride	14,600	µg/m³	<0.0075	<1.5	<0.36	<0.33	<0.0075	<3.1	<0.33	<18	<3.8	<3.7	<1.5	<0.19	<1.5	<0.036	<0.034	<1.5	**0.22**	**0.21**	<0.033	<0.032	<0.37	<0.31	<3.4	<0.069	<2.9	<0.038
m,p-Xylene	3,510,000	µg/m³	--	**5.7 J**	<1.9	<1.7	--	<4.4	<1.7	<26	<4.6	<4.4	**6.1 J**	**1.8**	**6.4 J**	**1.1**	**0.66**	**5.2 J**	**2.7**	**1.9**	**2.6**	**0.87**	<1.9	<1.6	<3.8	**2.0**	**15**	**2.2**
o-Xylene	3,510,000	µg/m³	--	**2.3 J**	<0.36	<0.33	--	<2.4	<0.33	<14	<2.9	<2.8	**2.6 J**	**0.83 J**	**2.9 J**	**0.42**	**0.28**	**2.2 J**	**1.1**	**0.81**	**0.86**	**0.39**	**0.40 J**	**0.35 J**	<4.7	**0.68 J**	**4.7 J**	**1.2**
Xylenes (total)	3,510,000	µg/m³	**40**	--	--	--	**32**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.

TABLE 8-4b. OU-2 COMMERCIAL ZONE SOIL GAS RESULTS, 10 - 15 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-2			RISG-3				RISG-6			RISG-27		RISG-28		RISG-30			RISG-52	RISG-53	RISG-54	RISG-55	RISG-56	RISG-76	RISG-77	RISG-78
			15 ft bgs			15 ft bgs				15 ft bgs			15 ft bgs		15 ft bgs		10 ft bgs			15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs
			3/19/2015	3/14/2019	11/12/2019	3/06/2015	3/06/2015 (FD)	3/15/2019	11/13/2019	3/22/2019	3/22/2019 (FD)	11/13/2019	3/15/2019	11/15/2019	3/08/2019	11/13/2019	3/15/2019	11/13/2019	11/13/2019 (FD)	12/11/2019	12/11/2019	12/10/2019	12/10/2019	12/11/2019	1/22/2020	11/22/2019	12/02/2019
Acetone	1,560,000,000	µg/m³	**210**	**26**	<7.5	**35 J**	**39 J**	**33 J**	<7.2	<31	<32	<72	**51**	<6.7	**47**	**6.9**	**36 J**	**15 J**	**6.8 J**	<6.2	**14**	**20 J**	**16 J**	**48**	**15 J**	**34 J**	**9.9 J**
Acrolein	1,030	µg/m³	**11**	--	<21	<0.23	<0.23	--	<20	--	--	ND	--	ND	--	<2.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	2,080	µg/m³	**0.86 J**	--	<20	<0.61	<0.61	--	<19	--	--	<16	--	<18	--	<2.0	--	<2.2	<2.1	<17	<4.6	<36	<24	<15	<38	<43	<5.0
Benzene	23,500	µg/m³	**12**	<1.3	<1.8	**8.3**	**8.1**	<3.1	<1.7	<18	<19	<7.0	**3.5 J**	<1.6	**2.1 J**	**0.70**	**5.5 J**	**3.3**	**3.3**	<1.5	**0.58 J**	<4.3	<2.9	**2.3 J**	<4.5	<5.1	**1.0**
Benzyl chloride	5,190	µg/m³	<0.38	<4.2	<1.9	<0.38	<0.38	<10	<1.8	<62	<64	<8.7	<4.2	<1.7	<4.2	<0.19	<9.7	<0.20	<0.20	<1.6	<0.43	<7.3	<5.0	<3.1	<7.8	<8.8	<0.47
Bromodichloromethane	7,800	µg/m³	**0.77 J**	<2.2	<4.5	**6.8**	**6.6**	<5.5	<4.3	<32	<33	<11	**5.2 J**	**4.4 J**	<2.2	<0.45	<5.1	**7.5**	**7.9**	<3.8	**14**	<8.4	<5.7	<3.6	<8.8	<10	**2.3 J**
Bromoform	403,000	µg/m³	<0.22	<3.6	<4.5	<0.22	<0.22	<9.0	<4.3	<53	<55	<9.6	<3.6	<4.1	<3.6	<0.45	<8.3	<0.49	<0.48	<3.8	<1.0	<15	<9.9	<6.3	<15	<18	<1.1
2-Butanone	300,000,000	µg/m³	**51 J**	<2.9	<5.6	<3.9	<3.9	**11 J+**	<5.4	<43	<44	<21	**11 J**	<5.1	**17**	**0.85 J**	<6.7	**3.8**	**1.0 J**	<4.7	**11**	<10	**13 J**	**5.7 J**	**17 J**	**17 J**	**3.6 J**
Carbon disulfide	38,700,000	µg/m³	**4.4**	**12**	<5.0	**1.6 J**	**2.1**	**19 J**	<4.8	<18	<18	<110	**10 J**	<4.5	**16**	**0.56 J**	**34**	**13**	<0.53	<4.2	<1.1	<7.5	<5.1	**7.3 J**	<8.0	**21 J**	**2.0 J**
Carbon tetrachloride	47,500	µg/m³	**130**	**18 J**	**36**	**390**	**380**	**37 J**	**36**	**410**	**440**	**640**	**63**	**67**	<2.0	**1.4**	<4.6	**1.6**	**1.7**	**11**	**1.1**	**440**	**170**	**46**	**64**	**22 J**	**3.1**
Chlorobenzene	4,040,000	µg/m³	**0.73 J**	<1.5	<2.2	<0.16	<0.16	<3.7	<2.1	<22	<22	<4.5	<1.5	<2.0	<1.5	**1.3**	<3.4	**1.7**	**1.8**	<1.9	<0.50	<6.1	<4.2	<2.6	<6.5	<7.4	<0.55
Chloroethane	567,000,000	µg/m³	<0.35	<4.1	<0.36	<0.35	<0.35	<10	<0.35	<59	<61	<30	<4.1	**0.66 J**	<4.1	**0.70**	**93**	**56**	**57**	<0.30	<0.082	<6.8	<4.6	<2.9	<7.2	<8.2	**0.14 J**
Chloroform	9,240	µg/m³	**7,100**	**1,600**	**2,400**	**7,200**	**7,000**	**2,500**	**2,500**	**13,000**	**15,000**	**22,000**	**1,700**	**2,100**	**62**	**82**	**90**	**120**	**120**	**990**	**290**	**6,000**	**4,300**	**2,800**	**4,800**	**5,800**	**290**
Chloromethane	4,290,000	µg/m³	<0.12	<2.0	<0.46	<0.12	<0.12	<5.0	<0.44	<30	<31	<27	<2.0	**1.0 J**	<2.0	**0.66 J**	<4.7	**0.21 J**	**0.13 J**	<0.38	**0.20 J**	<19	<13	<8.2	<20	<23	**0.22 J**
Cyclohexane	439,000,000	µg/m³	<0.38	--	<1.7	<0.38	<0.38	--	<1.7	--	--	<9.3	--	<1.6	--	**0.45 J**	--	**0.37 J**	**0.48 J**	<1.4	<0.39	<6.0	<4.1	<2.6	<6.4	<7.2	<0.43
1,2-Dibromo-3-chloropropane	77.6	µg/m³	<0.0056	--	<90	<0.0056	**0.13**	--	<86	--	--	<30	--	<81	--	<9.0	--	<9.7	<9.5	<75	<20	<160	<110	<69	<170	<190	<22
Dibromochloromethane	--	µg/m³	<0.0048	<3.4	<4.8	**0.29 J**	**0.28 J**	<8.3	<4.6	<49	<51	<9.3	<3.4	<4.3	<3.4	<0.48	<7.7	<0.52	<0.51	<4.0	<1.1	<13	<9.2	<5.8	<14	<16	<1.2
1,2-Dibromoethane	620	µg/m³	**0.047 J**	<2.9	<0.45	**0.087 J**	**0.088 J**	<7.1	<0.43	<42	<44	<8.9	<2.9	<0.40	<2.9	<0.045	<6.6	<0.048	<0.047	<0.38	<0.10	<13	<8.7	<5.5	<14	<15	<0.11
1,2-Dichlorobenzene	20,600,000	µg/m³	<0.16	<3.9	<2.1	<0.16	<0.16	<9.7	<2.0	<57	<59	<8.8	<3.9	<1.8	<3.9	<0.21	<9.0	<0.22	<0.22	<1.7	<0.46	<11	<7.5	<4.7	<12	<13	<0.51
1,3-Dichlorobenzene	16,900,000	µg/m³	<0.26	<3.3	**4.5 J**	<0.26	<0.26	<8.2	<3.7	<48	<50	<4.5	<3.3	<3.5	<3.3	**10**	<7.6	**2.3**	**2.7**	<3.2	**0.92 J**	<10	<6.8	**7.9 J**	<10	**18 J**	**1.6 J**
1,4-Dichlorobenzene	26,800	µg/m³	<0.62	<4.5	<1.3	<0.62	<0.62	<11	<1.2	<65	<68	<9.1	<4.5	<1.1	<4.5	**0.18 J**	<10	<0.14	**0.13 J**	<1.1	<0.29	<10	<7.1	<4.5	<11	<13	<0.31
Dichlorodifluoromethane	7,690,000	µg/m³	**3.1**	**4.3 J**	**3.8**	**5.6**	**5.7**	<8.9	**2.9**	<52	<54	<8.2	<3.6	**2.6**	**3.7 J**	**2.7**	<8.2	**2.3**	**2.3**	**5.0**	**2.5**	<7.8	<5.3	<3.4	<8.3	<9.4	**2.5**
1,1-Dichloroethane	122,000	µg/m³	**9**	<1.5	**0.72 J**	**6.7**	**6.6**	**4.3 J**	**2.2**	**22 J**	**22 J**	**13 J**	<1.5	**0.47 J**	<1.5	**0.15**	**95**	**56**	**57**	**11**	<0.11	<6.4	<4.4	**3.2 J**	<6.8	<7.7	**0.44**
1,2-Dichloroethane	7,330	µg/m³	**0.58 J**	<1.8	**0.31 J**	**0.73 J**	**0.74 J**	<4.4	<0.26	<26	<27	<6.5	<1.8	<0.25	<1.8	<0.028	<4.1	**0.87**	**0.87**	<0.23	<0.062	<8.8	<6.0	<3.8	<9.3	<10	<0.068
1,1-Dichloroethene	13,600,000	µg/m³	**170**	**6.4 J**	**3.3**	**67**	**66**	**39**	**22**	**140 J**	**150 J**	**140**	**1.6 J**	**0.67**	<1.4	**0.14**	**5.0 J**	**1.8**	**1.9**	<0.49	<0.13	**22**	<4.9	**36**	<7.7	**25**	**0.62**
cis-1,2-Dichloroethene	2,650,000	µg/m³	**2.6**	<1.8	<0.52	**1.8 J**	**1.8 J**	<4.4	<0.50	<26	<27	<11	<1.8	<0.47	<1.8	<0.052	<4.1	**0.28**	**0.29**	<0.44	<0.12	<4.6	<3.1	<2.0	<4.9	<5.6	<0.13
trans-1,2-Dichloroethene	2,680,000	µg/m³	**0.28 J**	<2.0	<0.57	**0.25 J**	**0.24 J**	<4.9	<0.54	<29	<30	<14	<2.0	<0.51	<2.0	**0.059 J**	<4.6	**0.34 J**	**0.37 J**	<0.47	<0.13	<5.0	<3.4	<2.1	<5.2	<5.9	<0.14
1,2-Dichloropropane	60,200	µg/m³	<0.01	<5.5	<2.1	**1.1 J**	**1.1 J**	<14	<2.0	<81	<84	<15	<5.5	<1.9	<5.5	<0.21	<13	<0.22	<0.22	<1.7	<0.47	<12	<7.8	<4.9	<12	<14	<0.51
1,4-Dioxane	19,800	µg/m³	<0.13	--	<3.6	<0.13	<0.13	--	<3.4	--	--	<13	--	<3.2	--	<0.36	--	<0.38	<0.38	<3.0	<0.80	<32	<22	<14	<34	<38	<0.88
Ethanol	3,140,000,000	µg/m³	**50 J**	--	3.6 UJ	<11	<11	--	3.5 UJ	--	--	26 UJ	--	3.3 UJ	--	**15 J**	--	**2.3 J**	0.38 UJ	**14 J**	**6.9 J**	<21	<14	**17**	<22	<25	**4.1 J**
Ethyl acetate	4,830,000	µg/m³	**9.4**	--	<34	<0.36	<0.36	--	<32	--	--	<13	--	<30	--	<3.4	--	<3.6	<3.5	<28	<7.6	<60	<41	<26	<63	<72	<8.3
Ethyl benzene	95,400	µg/m³	**13**	<1.4	<1.1	**9.5 J**	**3.5 J**	**6.9 J**	<1.0	<20	<21	<8.8	**3.6 J**	<0.96	<1.4	**0.30**	<3.1	**0.16 J**	<0.11	<0.89	<0.24	<7.2	<4.9	<3.1	<7.6	<8.7	**0.29 J**
4-Ethyltoluene	31,200,000	µg/m³	**6**	<4.6	<2.1	**7.6**	**0.59 J**	<11	<2.0	<67	<69	<6.5	<4.6	<1.9	<4.6	<0.21	<11	<0.23	<0.22	<1.8	<0.48	<5.3	<3.6	<2.3	<5.6	<6.4	<0.53
Freon 113	771,000,000	µg/m³	**0.57 J**	<6.2	<2.8	**1.1 J**	**0.76 J**	<15	<2.7	<91	<94	<21	<6.2	<2.5	<6.2	**0.62 J**	<14	**0.48 J**	**0.54 J**	<2.4	<0.64	<15	<10	<6.6	<16	<18	<0.70
n-Heptane	37,800,000	µg/m³	<5.7	--	<2.6	<5.7	<5.7	--	<2.5	--	--	<9.2	--	<2.3	--	<0.26	--	<0.28	<0.27	<2.2	<0.58	<5.5	<3.7	<2.3	<5.8	<6.6	<0.64
Hexachlorobutadiene	27,400	µg/m³	**2.5 J**	<23	<34	<0.15	<0.15	<57	<32	<340	<350	<29	**38 J**	**80 J**	<23	<3.4	<53	<3.6	<3.6	<28	<7.6	<22	<15	<9.5	<23	<27	<8.4
n-Hexane	55,900,000	µg/m³	**7.8 J**	--	<3.7	**2.7 J**	**3.2 J**	--	<3.6	--	--	<16	--	<3.3	--	<0.37	--	<0.40	<0.39	<3.1	<0.83	**9.7 J**	<3.8	<2.4	<5.9	<6.7	<0.91
2-Hexanone	2,370,000	µg/m³	**2.7**	<1.8	<9.7	<0.16	<0.16	<4.4	<9.3	<26	<27	<6.7	<1.8	<8.7	<1.8	<0.97	<4.1	<1.0	<1.0	<8.1	<2.2	<16	<11	<7.0	<17	<20	<2.4
Methylene Chloride	16,500,000	µg/m³	**1.6 J**	**2.2 J**	**2.8 J**	**14**	**14**	<3.1	<1.8	**23 J**	**23 J**	<9.0	**3.5 J**	**3.9 J**	**2.6 J**	**2.6**	**12 J**	**6.1**	**6.0**	<1.6	<0.42	<13	<8.6	<5.4	<13	<15	**0.67 J**
Methylmethacrylate	53,700,000	µg/m³	<0.42	--	<38	**5.2**	**4.1**	--	<37	--	--	<17	--	<34	--	<3.8	--	<4.1	<4.0	<32	<8.6	<170	<120	<73	<180	<200	<9.4
Naphthalene	7,820	µg/m³	**3.8 J**	--	<0.83	**6.9**	**0.6 J**	--	<0.80	--	--	<12	--	<0.75	--	**1.7**	--	**0.38 J**	**0.38 J**	<0.69	<0.19	<2.2	<1.5	<0.94	<2.3	<2.6	**0.22 J**
4-Methyl-2-pentanone	243,000,000	µg/m³	**7**	<2.8	<1.9	**3**	**2.3**	<6.9	<1.8	<40	<42	<32	<2.8	<1.7	<2.8	<0.19	<6.4	<0.20	<0.20	<1.6	<0.42	<6.5	<4.4	<2.8	<6.8	<7.8	<0.46
Styrene	82,000,000	µg/m³	**3.3**	<1.3	<0.86	<0.21	<0.21	<3.1	<0.82	<18	<19	<5.0	<1.3	<0.77	<1.3	<0.086	<2.9	<0.092	<0.090	<0.72	<0.19	<5.0	<3.4	<2.1	<5.2	<6.0	<0.21
1,1,1,2-Tetrachloroethane	45,500	µg/m³	**0.084 J**	--	<64	<0.007	<0.007	--	<61	--	--	<9.2	--	<58	--	<6.4	--	<6.9	<6.7	<54	<14	<110	<78	<49	<120	<140	<16
1,1,2,2-Tetrachloroethane	5,610	µg/m³	<0.0076	<2.4	<0.85	<0.0076	<0.0076	<5.9	<0.81	<35	<36	<7.8	<2.4	<0.76	<2.4	<0.085	<5.4	<0.091	<0.089	<0.71	<0.19	<12	<8.5	<5.4	<13	<15	<0.21
Tetrachloroethene	1,240,000	µg/m³	**11,000**	<1.7	**65**	**340**	**300**	**3,800**	**4,600**	**410**	**480**	**750**	**140**	**130**	**190**	**220**	**69**	**66**	**72**	**24**	**3.8**	**600**	**21**	**39**	**65**	**1,100**	**380**
Tetrahydrofuran	112,000,000	µg/m³	**7.6**	--	<11	<0.21	<0.21	--	<10	--	--	<4.2	--	<9.8	--	<1.1	--	<1.2	<1.1	<9.1	<2.5	<6.6	<4.5	<2.8	<7.0	<8.0	<2.7
Toluene	376,000,000	µg/m³	**36**	<0.96	<1.1	**19**	**15**	<2.4	<1.0	<14	<15	<7.0	**3.3 J**	**1.3 J**	**2.6 J**	**0.90**	**2.3 J**	**0.72 J**	**0.40 J**	**2.4 J**	**3.6**	<5.0	**4.8 J**	**3.7 J**	<5.3	<6.0	**1.3**
1,2,4-Trichlorobenzene	291,000	µg/m³	**3.7 J**	<16	25 UJ	<0.17	<0.17	<40	24 UJ	<240	<240	<17	<16	23 UJ	<16	2.5 UJ	<37	2.7 UJ	2.6 UJ	21 UJ	5.7 UJ	<24	<16	<10	<25	<28	6.2 UJ
1,1,2-Trichloroethane	15,200	µg/m³	**0.2 J**	<1.8	<0.62	**0.62 J**	**0.58 J**	<4.5	<0.59	<27	<28	<9.9	<1.8	<0.56	<1.8	<0.062	<4.2	<0.066	<0.065	<0.52	<0.14	<10	<6.8	<4.3	<10	<12	<0.15
Trichloroethene	58,000	µg/m³	**160**	<2.8	**3.5**	**32**	**31**	**67**	**73**	**44 J**	**52 J**	**76 J**	<2.8	**2.6**	<2.8	**3.3**	**130**	**120**	**120**	**6.6**	<0.30	**36**	**12 J**	**16**	<8.5	**57**	**8.3**
Trichlorofluoromethane	--	µg/m³	**1.6 J**	<5.5	<2.2	**2.6 J**	**2.5 J**	<14	<2.1	<80	<83	<16	<5.5	<1.9	<5.5	**3.2**	<13	**1.2**	**1.3**	**15**	**1.4 J**	<7.5	<5.1	**13**	<7.9	<9.0	**1.3 J**
1,2,4-Trimethylbenzene	5,750,000	µg/m³	**20**	<4.0	<2.0	**25**	**0.41 J**	<9.9	<1.9	<58	<60	<14	<4.0	<1.8	<4.0	**1.2**	<9.2	**0.63 J**	**0.34 J**	<1.7	<0.45	<7.0	<4.7	<3.0	<7.4	<8.4	**0.83 J**
1,3,5-Trimethylbenzene	5,800,000	µg/m³	**8.4**	<3.1	<1.8	**12**	**0.36 J**	<7.6	<1.8	<45	<46	<11	<3.1	<1.6	<3.1	**0.30 J**	<7.1	<0.20	<0.19	<1.5	<0.41	<9.0	<6.1	<3.9	<9.5	<11	<0.45
Vinyl acetate	13,700,000	µg/m³	<0.61	<2.6	<16	<0.61	<0.61	<6.3	<15	<37	<39	<38	<2.6	<14	<2.6	<1.6	<5.9	<1.7	<1.6	<13	<3.5	<16	<11	<6.8	<17	<19	<3.8
Vinyl chloride	35,000	µg/m³	<0.0075	<1.5	<0.37	<0.0075	<0.0075	<3.8	<0.35	<22	<23	<7.3	<1.5	<0.33	<1.5	<0.037	<3.5	**0.049 J**	**0.046 J**	<0.30	<0.082	<4.3	<2.9	<1.8	<4.5	<5.1	<0.090
m,p-Xylene	8,510,000	µg/m³	--	<2.2	<1.9	--	--	**32 J**	<1.8	<32	<33	<8.8	**13 J**	<1.7	**2.9 J**	**1.1**	<5.0	**0.57**	**0.39**	<1.6	**0.78**	<4.7	<3.2	**2.4 J**	<5.0	<5.6	**1.0**
o-Xylene	8,510,000	µg/m³	--	<1.2	<0.36	--	--	**14 J**	<0.35	<17	<18	<5.6	**5.1 J**	<0.33	**1.4 J**	**0.46**	<2.7	**0.21**	**0.17**	**0.37 J**	**0.27 J**	<5.8	<3.9	<2.5	<6.1	<6.9	**0.41**
Xylenes (total)	8,510,000	µg/m³	**61**	--	--	**55**	**9.6 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.
To be conservative, 10-foot screening levels are used for comparison. 15-foot Chloroform screening level is 14,700 µg/m³

TABLE 8-4c. OU-2 RESIDENTIAL ZONE SOIL GAS RESULTS, 5 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-1			RISG-4		RISG-5				RISG-7		RISG-8		RISG-9				RISG-29		RISG-57	RISG-58	RISG-59	RISG-60
			5 ft bgs			5 ft bgs		5 ft bgs				5 ft bgs		5 ft bgs		5 ft bgs				5 ft bgs		5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs
			3/09/2015	3/11/2019	11/11/2019	3/11/2019	11/12/2019	3/13/2019	3/13/2019 (FD)	11/12/2019	11/12/2019 (FD)	3/14/2019	11/11/2019	3/21/2019	11/12/2019	3/14/2019	3/14/2019 (FD)	11/12/2019	11/12/2019 (FD)	3/11/2019	11/08/2019	12/12/2019	12/12/2019	12/13/2019	12/13/2019
Acetone	49,700,000	µg/m³	**38 J**	**39 J**	<11	**13 J**	<1.8	**15 J**	**18 J**	<3.6	<3.7	**45**	**6.9**	**10 J**	<0.72	**15 J**	**19 J**	**3.6 J**	**4.0 J**	**16 J**	**12 J**	**8.8 J**	<6.6	**21 J**	**30 J**
Acrolein	32	µg/m³	<0.23	--	ND	--	ND	--	--	ND	ND	--	ND	--	ND	--	--	<2.0	<2.0	--	<7.0	ND	ND	ND	ND
Acrylonitrile	62.5	µg/m³	<0.61	--	<2.4	--	<4.9	--	--	<9.7	<10	--	<1.8	--	<1.9	--	--	<1.8	<1.8	--	<0.37	<20	<18	<1.1	<0.90
Benzene	669	µg/m³	**2.8**	<3.2	<1.1	<1.3	<0.42	**1.8 J**	**1.5 J**	<0.84	<0.88	**1.6 J**	**0.43**	**3.7 J**	<0.17	<1.3	<1.3	**0.63**	**0.62**	<1.3	<0.16	<1.7	<1.6	**2.4 J**	**0.96 J**
Benzyl chloride	142	µg/m³	<0.38	<11	<1.3	<4.2	<0.46	<4.2	**10 J**	<0.91	<0.95	<4.2	<0.17	<4.2	<0.18	<4.2	<4.2	<0.17	<0.17	<4.2	1.5 UJ	<1.9	<1.7	<4.6	<3.6
Bromodichloromethane	209	µg/m³	**11**	<5.7	<1.7	**9.3 J**	**4.0**	<2.2	<2.2	<2.2	<2.3	<2.2	**0.81 J**	<2.2	<0.43	<2.2	<2.2	**1.9**	**2.1**	**5.5 J**	**2.2 J**	**8.8 J**	**16**	**12**	**14**
Bromoform	10,500	µg/m³	<0.22	<9.3	<1.4	<3.6	<1.1	<3.6	**4.5 J**	<2.2	<2.3	<3.6	<0.42	<3.6	<0.43	<3.6	<3.6	<0.42	<0.42	<3.6	<2.7	<4.4	<4.0	<8.2	<6.5
2-Butanone	9,190,000	µg/m³	<3.9	**11 J**	<3.2	<2.9	<1.4	**5.1 J**	**4.1 J**	<2.7	<2.8	**8.5 J**	**1.3 J**	**9.9 J**	**0.69 J**	**3.3 J**	**3.8 J**	**0.64 J**	**1.1 J**	<2.9	**2.1 J**	<5.5	<5.0	<3.1	**3.7 J**
Carbon disulfide	1,180,000	µg/m³	**1.3 J**	**23 J**	<17	**11 J**	<1.2	**22**	**22**	<2.4	<2.5	**49**	<0.46	**12 J**	<0.48	**26**	**11 J**	<0.46	<0.46	**26**	<2.2	**21 J**	**12 J**	**12 J**	<5.4
Carbon tetrachloride	1,280	µg/m³	**280**	**51 J**	**31**	<2.0	**1.1**	**2.1 J**	**2.7 J**	**3.5**	**3.6**	<2.0	**0.86**	<2.0	**0.15 J**	<2.0	<2.0	**0.36**	**0.32**	**3.8 J**	**1.8**	**58**	**50**	**29**	**43**
Chlorobenzene	116,000	µg/m³	<0.16	<3.8	<0.69	<1.5	<0.54	<1.5	**5.5 J**	<1.1	<1.1	<1.5	**0.39 J**	**8.2**	<0.21	<1.5	<1.5	**0.50 J**	**0.32 J**	<1.5	<0.75	<2.2	<2.0	<2.3	<1.8
Chloroethane	17,200,000	µg/m³	<0.35	<10	<4.7	<4.1	<0.088	<4.1	<4.1	<0.18	<0.18	<4.1	**0.14 J**	<4.1	<0.035	**17**	**17**	**12**	**12**	<4.1	<0.061	<0.36	<0.32	<0.19	<0.15
Chloroform	257	µg/m³	**3,700**	**3,900**	**3,600**	**390**	**310**	**250**	**270**	**690**	**740**	**140**	**60**	**17**	**14**	**34**	**35**	**28**	**28**	**360**	**350**	**1,800**	**1,400**	**2,100**	**1,200**
Chloromethane	135,000	µg/m³	<0.12	<5.2	4.1 UJ	<2.0	**0.12 J**	<2.0	<2.0	**0.39 J**	<0.23	<2.0	**0.12 J**	<2.0	**0.14 J**	<2.0	<2.0	**0.13 J**	**0.21 J**	<2.0	**0.15 J**	<0.45	<0.41	<0.40	**0.35 J**
Cyclohexane	12,800,000	µg/m³	<0.38	--	<1.4	--	<0.42	--	--	<0.83	<0.87	--	<0.16	--	<0.17	--	--	<0.16	<0.16	--	<0.77	<1.7	<1.5	<2.4	<1.9
1,2-Dibromo-3-chloropropane	2.04	µg/m³	<0.0056	--	<4.6	--	<22	--	--	<43	<45	--	<8.3	--	<8.6	--	--	<8.3	<8.3	--	<29	<88	<80	<90	<72
Dibromochloromethane	--	µg/m³	**2.1 J**	<8.6	<1.4	<3.4	<1.2	<3.4	<3.4	<2.3	<2.4	<3.4	<0.44	<3.4	<0.46	<3.4	<3.4	<0.44	<0.44	<3.4	<1.5	<4.7	<4.3	<4.7	<3.7
1,2-Dibromoethane	16.3	µg/m³	**0.11 J**	<7.4	<1.4	<2.9	<0.11	<2.9	<2.9	<0.22	<0.22	<2.9	<0.041	<2.9	<0.043	<2.9	<2.9	<0.041	<0.041	<2.9	<0.44	<0.44	<0.40	<1.4	<1.1
1,2-Dichlorobenzene	576,000	µg/m³	<0.16	<10	<1.4	<3.9	<0.50	<3.9	**7.3 J**	<0.99	<1.0	<3.9	<0.19	<3.9	<0.20	<3.9	<3.9	<0.19	<0.19	<3.9	2.5 UJ	<2.0	<1.8	7.6 UJ	6.0 UJ
1,3-Dichlorobenzene	482,000	µg/m³	<0.26	<8.5	**2.1 J**	<3.3	<0.93	<3.3	**7.8 J**	<1.8	<1.9	<3.3	**1.2**	<3.3	<0.37	<3.3	<3.3	**1.2**	**1.0**	**6.9 J**	2.1 UJ	<3.8	**5.0 J**	<6.5	**16**
1,4-Dichlorobenzene	718	µg/m³	<0.62	<12	<1.4	<4.5	<0.31	<4.5	**6.7 J**	<0.61	<0.64	<4.5	<0.12	<4.5	<0.12	<4.5	<4.5	<0.12	<0.12	<4.5	0.50 UJ	<1.2	<1.1	1.5 UJ	1.2 UJ
Dichlorodifluoromethane	222,000	µg/m³	**4**	<9.2	**5.5 J**	**4.0 J**	**2.7**	**3.9 J**	**3.6 J**	**3.0**	**3.1**	**3.7 J**	**2.5**	**6.6 J**	**2.2**	**3.9 J**	**4.1 J**	**2.5**	**2.5**	**4.4 J**	**1.9**	**5.8**	**7.4**	**5.0**	**2.7**
1,1-Dichloroethane	3,450	µg/m³	**3.8**	<3.7	<1.8	<1.5	<0.12	<1.5	<1.5	**1.6**	**1.7**	<1.5	**0.20**	<1.5	<0.048	**11**	**11**	**6.5**	**6.6**	<1.5	**0.25 J**	**0.97 J**	**0.70 J**	**2.5**	**0.47 J**
1,2-Dichloroethane	208	µg/m³	**0.26 J**	<4.6	<0.99	<1.8	<0.066	<1.8	<1.8	<0.13	<0.14	<1.8	<0.025	<1.8	<0.026	<1.8	<1.8	**1.2**	**1.3**	<1.8	<0.097	<0.27	<0.24	<0.30	<0.24
1,1-Dichloroethene	400,000	µg/m³	**20**	**5.3 J**	**3.5 J**	<1.4	<0.14	<1.4	**1.5 J**	**3.4**	**3.6**	<1.4	<0.054	**1.9 J**	<0.057	<1.4	<1.4	<0.054	<0.054	<1.4	<0.069	**1.1**	**1.1**	**32**	**3.3**
cis-1,2-Dichloroethene	78,400	µg/m³	**1.1 J**	<4.5	<1.6	<1.8	<0.12	<1.8	<1.8	**0.38 J**	**0.35 J**	<1.8	<0.048	<1.8	<0.050	<1.8	<1.8	<0.048	<0.048	<1.8	<0.082	<0.51	<0.46	**0.38 J**	<0.20
trans-1,2-Dichloroethene	79,000	µg/m³	<0.21	<5.1	<2.2	<2.0	<0.14	<2.0	<2.0	<0.27	<0.28	<2.0	<0.052	<2.0	<0.054	<2.0	<2.0	**0.054 J**	**0.057 J**	<2.0	<0.077	<0.55	<0.50	<0.24	<0.19
1,2-Dichloropropane	1,670	µg/m³	**0.59 J**	<14	<2.3	<5.5	<0.50	<5.5	<5.5	<1.0	<1.0	<5.5	<0.19	<5.5	<0.20	<5.5	<5.5	<0.19	<0.19	<5.5	<0.63	<2.0	<1.8	<1.9	<1.5
1,4-Dioxane	724	µg/m³	<0.13	--	<2.0	--	<0.86	--	--	<1.7	<1.8	--	<0.33	--	<0.34	--	--	<0.33	<0.33	--	<0.36	<3.5	<3.2	<1.1	<0.89
Ethanol	119,000,000	µg/m³	**12 J**	--	4.0 UJ	--	0.87 UJ	--	--	**3.8 J**	1.8 UJ	--	**0.93 J**	--	**2.0 J**	--	--	0.33 UJ	0.33 UJ	--	**3.4 J**	**7.4 J**	**7.9 J**	**7.4 J+**	**21 J+**
Ethyl acetate	143,000	µg/m³	<0.36	--	<2.0	--	<8.1	--	--	<16	<17	--	<3.1	--	<3.2	--	--	<3.1	<3.1	--	<11	<33	<30	<34	<27
Ethyl benzene	2,620	µg/m³	**4.9**	<3.5	<1.3	<1.4	<0.26	**4.4 J**	**5.7 J**	<0.51	<0.54	**11**	**0.10 J**	**5.9 J**	<0.10	<1.4	<1.4	**0.11 J**	<0.098	**35**	**0.18 J**	<1.0	<0.94	**0.74 J**	**2.2**
4-Ethyltoluene	899,000	µg/m³	**3.4**	<12	<0.99	<4.6	<0.51	<4.6	<4.6	<1.0	<1.1	<4.6	<0.20	<4.6	<0.20	<4.6	<4.6	<0.20	<0.20	<4.6	<0.80	<2.1	<1.9	2.5 UJ	**4.0 J**
Freon 113	20,700,000	µg/m³	**0.79 J**	<16	<3.2	<6.2	<0.68	<6.2	<6.2	<1.4	<1.4	<6.2	**0.57 J**	<6.2	<0.27	<6.2	<6.2	**0.42 J**	**0.51 J**	<6.2	<3.1	<2.8	<2.5	<9.5	<7.6
n-Heptane	1,060,000	µg/m³	<5.7	--	<1.4	--	<0.62	--	--	<1.2	<1.3	--	<0.24	--	<0.25	--	--	<0.24	<0.24	--	<1.1	<2.5	<2.3	<3.5	<2.8
Hexachlorobutadiene	694	µg/m³	**0.61 J**	<59	<4.4	<23	<8.1	<23	<23	<16	<17	<23	<3.1	<23	<3.2	<23	<23	<3.1	<3.1	<23	4.9 UJ	<33	<30	<15	<12
n-Hexane	1,610,000	µg/m³	**1.8 J**	--	<2.5	--	<0.89	--	--	<1.8	<1.8	--	<0.34	--	<0.36	--	--	<0.34	<0.34	--	<1.4	<3.6	<3.3	<4.2	<3.3
2-Hexanone	69,300	µg/m³	<0.16	<4.6	<1.0	<1.8	<2.3	<1.8	**2.6 J**	<4.6	<4.8	<1.8	<0.89	<1.8	<0.93	<1.8	<1.8	<0.89	<0.89	<1.8	1.1 UJ	<9.5	<8.6	3.2 UJ	2.6 UJ
Methylene Chloride	477,000	µg/m³	**2.3**	<3.2	<1.4	<1.3	<0.45	**1.5 J**	<1.3	<0.90	<0.94	<1.3	**0.52 J**	**2.0 J**	**0.57 J**	**3.9 J**	**4.0 J**	**2.4**	**2.3**	<1.3	<2.0	<1.8	<1.7	<6.0	<4.8
Methylmethacrylate	1,560,000	µg/m³	<0.42	--	<2.5	--	<9.2	--	--	<18	<19	--	<3.5	--	<3.7	--	--	<3.5	<3.5	--	<12	<37	<34	<38	<30
Naphthalene	212	µg/m³	**3.4 J**	--	<1.9	--	<0.20	--	--	<0.40	<0.42	--	**0.12 J**	--	**0.18 J**	--	--	<0.076	**0.082 J**	--	<0.20	<0.81	<0.73	<0.60	**0.76 J**
4-Methyl-2-pentanone	7,040,000	µg/m³	**2.4**	<7.1	<4.9	<2.8	<0.45	<2.8	<2.8	<0.90	<0.94	<2.8	<0.17	<2.8	<0.18	<2.8	<2.8	<0.17	<0.17	<2.8	<0.77	<1.8	<1.7	<2.4	<1.9
Styrene	2,350,000	µg/m³	<0.21	<3.2	<0.76	<1.3	<0.20	<1.3	**6.1 J**	<0.41	<0.43	<1.3	<0.078	<1.3	<0.082	<1.3	<1.3	<0.078	<0.078	<1.3	<0.36	<0.84	<0.76	<1.1	<0.89
1,1,1,2-Tetrachloroethane	1,200	µg/m³	<0.007	--	<1.4	--	<15	--	--	<31	<32	--	<5.9	--	<6.1	--	--	<5.9	<5.9	--	<0.60	<63	<57	<1.8	<1.5
1,1,2,2-Tetrachloroethane	150	µg/m³	<0.0076	<6.1	<1.2	<2.4	<0.20	<2.4	**5.6 J**	<0.41	<0.42	<2.4	<0.078	<2.4	<0.081	<2.4	<2.4	<0.078	<0.078	<2.4	<0.13	<0.83	<0.75	<0.41	<0.32
Tetrachloroethene	32,800	µg/m³	**590**	**360**	**360**	**66**	**34**	**120**	**140**	**190**	**220**	**110**	**82**	**19**	**19**	**12 J**	**11 J**	**4.3**	**4.6**	**270**	**160**	**90**	**220**	**130**	**74**
Tetrahydrofuran	3,470,000	µg/m³	<0.21	--	<0.64	--	<2.6	--	--	<5.2	<5.5	--	<1.0	--	<1.0	--	--	<1.0	<1.0	--	<1.2	<11	<9.7	<3.6	<2.9
Toluene	10,900,000	µg/m³	**7.8**	**5.3 J**	<1.1	**2.2 J**	**0.62 J**	**14**	**11**	**1.7**	<0.53	**8.6**	**0.58**	**8.3**	**0.51**	**2.4 J**	**1.8 J**	**0.87 J**	**0.48 J**	**3.3 J**	**0.70 J**	**9.2**	**16**	**7.1**	**8.0**
1,2,4-Trichlorobenzene	7,860	µg/m³	**0.26 J**	<41	<2.6	<16	6.0 UJ	<16	<16	12 UJ	13 UJ	<16	2.3 UJ	<16	2.4 UJ	<16	<16	2.3 UJ	2.3 UJ	<16	4.0 UJ	25 UJ	22 UJ	<12	<9.9
1,1,2-Trichloroethane	416	µg/m³	<0.012	<4.7	<1.5	<1.8	<0.15	<1.8	<1.8	<0.30	<0.31	<1.8	<0.057	<1.8	<0.059	<1.8	<1.8	<0.057	**0.072 J**	<1.8	<0.12	<0.61	<0.55	<0.38	<0.30
Trichloroethene	1,590	µg/m³	**12**	<7.3	**4.8 J**	<2.8	**1.2**	**9.7 J**	**11**	**23**	**25**	**3.5 J**	**3.6**	<2.8	**1.7**	**9.3 J**	**9.7 J**	**7.4**	**7.7**	**3.1 J**	**2.2**	**2.8**	**3.5**	**30**	**3.4**
Trichlorofluoromethane	--	µg/m³	**1.9 J**	<14	<2.4	<5.5	**1.1 J**	<5.5	<5.5	**1.1 J**	**1.2 J**	<5.5	**1.1**	<5.5	**1.3**	<5.5	<5.5	**1.3**	**1.2**	<5.5	**1.2 J**	**5.6 J**	**2.6 J**	<1.8	**1.5 J**
1,2,4-Trimethylbenzene	162,000	µg/m³	**15**	<10	<2.1	<4.0	<0.48	<4.0	**5.5 J**	<0.96	<1.0	**5.6 J**	<0.18	<4.0	<0.19	<4.0	<4.0	<0.18	<0.18	**6.8 J**	<0.87	<2.0	**2.9 J**	<2.7	**3.6 J**
1,3,5-Trimethylbenzene	163,000	µg/m³	**5.4**	<7.9	<1.6	<3.1	<0.44	<3.1	**5.9 J**	<0.88	<0.92	<3.1	<0.17	<3.1	<0.18	<3.1	<3.1	<0.17	<0.17	**4.8 J**	<0.76	<1.8	<1.6	<2.3	<1.8
Vinyl acetate	404,000	µg/m³	<0.61	<6.6	<5.9	<2.6	<3.7	<2.6	<2.6	<7.5	<7.8	<2.6	<1.4	<2.6	<1.5	<2.6	<2.6	<1.4	<1.4	<2.6	<0.99	<15	<14	<3.0	<2.4
Vinyl chloride	1,030	µg/m³	<0.0075	<3.9	<1.1	<1.5	<0.088	<1.5	<1.5	<0.18	<0.18	<1.5	<0.033	**1.6 J**	<0.035	<1.5	<1.5	<0.033	<0.033	<1.5	<0.040	<0.36	<0.32	<0.12	<0.098
m,p-Xylene	243,000	µg/m³	--	<5.6	<1.3	**2.6 J**	<0.46	**19**	**19**	**0.92 J**	<0.95	**33**	**0.34**	**3.3 J**	<0.18	**3.8 J**	**2.2 J**	**0.43**	**0.35**	**150**	**0.79 J**	**2.5 J**	**2.5 J**	**2.2 J**	**8.9**
o-Xylene	243,000	µg/m³	--	<3.0	<0.85	**1.3 J**	**0.18 J**	**8.1 J**	**8.6**	**0.35 J**	**0.20 J**	**18**	**0.16**	<1.2	<0.035	**1.8 J**	<1.2	**0.18**	**0.14 J**	**75**	**0.32 J**	**0.92 J**	**1.0 J**	**0.93 J**	**3.5**
Xylenes (total)	243,000	µg/m³	**31**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.

TABLE 8-4c. OU-2 RESIDENTIAL ZONE SOIL GAS RESULTS, 5 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-61		RISG-62	RISG-63	RISG-64	RISG-65	RISG-66	RISG-67	RISG-68	RISG-69	RISG-70	RISG-71		RISG-72	RISG-73	RISG-74		RISG-75
			5 ft bgs		5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs	5 ft bgs		5 ft bgs	5 ft bgs	5 ft bgs		5 ft bgs
			12/16/2019	12/16/2019 (FD)	12/13/2019	12/12/2019	12/12/2019	12/12/2019	12/11/2019	12/10/2019	12/10/2019	12/09/2019	12/10/2019	12/11/2019	12/11/2019 (FD)	12/04/2019	12/09/2019	12/03/2019	12/03/2019 (FD)	12/03/2019
Acetone	49,700,000	µg/m³	**42**	**31**	**14 J**	**120 J+**	**18 J+**	**16 J+**	**22**	**12**	**77**	**17**	**16 J**	**30 J**	**28 J**	**4.6 J**	**9.1 J**	<7.2	**14 J**	**5.4 J**
Acrolein	32	µg/m³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	62.5	µg/m³	<0.12	<0.12	<0.50	<9.7	<3.7	<2.0	<1.7	<3.6	<16	<4.8	<14	<16	<15	<4.6	<4.2	<20	<19	<6.0
Benzene	669	µg/m³	**0.71**	**0.76**	**1.8**	<0.84	**0.51 J**	**1.6**	**0.25**	**0.60**	**2.5 J**	**1.5**	**1.8 J**	<1.9	<1.8	**0.75**	<0.37	<1.7	<1.6	**2.5**
Benzyl chloride	142	µg/m³	<0.50	<0.49	<2.0	<0.91	<0.35	<0.19	<0.16	<0.34	<3.2	<0.45	<2.8	<3.2	<3.1	<0.43	<0.40	<1.8	<1.8	<0.57
Bromodichloromethane	209	µg/m³	**4.6**	**4.5**	<2.1	<2.2	**2.0 J**	**10**	**0.85 J**	**1.2 J**	<3.7	**53**	<3.2	<3.7	<3.6	**1.5 J**	<0.95	**330**	**340**	**8.9**
Bromoform	10,500	µg/m³	<0.90	<0.88	<3.7	<2.2	<0.83	<0.45	<0.38	<0.82	<6.4	<1.1	<5.6	<6.4	<6.3	<1.0	<0.95	<4.4	<4.2	<1.4
2-Butanone	9,190,000	µg/m³	**2.3 J**	**1.5 J**	**1.9 J**	**9.6 J**	**1.9 J**	**1.2 J**	**1.9 J**	**1.6 J**	**5.3 J**	**1.8 J**	<3.8	<4.4	<4.3	<1.3	**2.1 J**	<5.4	<5.2	<1.7
Carbon disulfide	1,180,000	µg/m³	**3.1 J**	**3.6**	**9.0 J**	**3.2 J**	**8.9**	**30**	**9.4**	**9.8**	**16 J**	**18**	**19 J**	**8.3 J**	**8.3 J**	**9.6**	**3.6 J**	**15 J**	**16 J**	**25**
Carbon tetrachloride	1,280	µg/m³	**0.81**	**0.76**	**19**	**7.1**	**2.6**	**1.7**	**2.7**	**0.84**	**26**	**1.1**	**19**	**25**	**25**	**0.98**	**0.97**	**1.4 J**	**1.4 J**	**5.4**
Chlorobenzene	116,000	µg/m³	<0.25	<0.25	<1.0	<1.1	<0.41	<0.22	<0.19	<0.40	<2.7	<0.53	<2.3	<2.7	<2.6	<0.51	<0.47	<2.2	<2.1	<0.67
Chloroethane	17,200,000	µg/m³	**0.078 J**	**0.077 J**	**0.12 J**	<0.18	<0.067	**0.22 J**	**0.071 J**	**0.12 J**	<3.0	**0.11 J**	<2.6	<3.0	<2.9	<0.083	<0.077	<0.35	**0.37 J**	**0.17 J**
Chloroform	257	µg/m³	**170**	**160**	**600**	**820**	**210**	**150**	**67**	**200**	**2,800**	**280**	**2,200**	**2,500**	**2,600**	**280**	**240**	**1,200**	**1,300**	**350**
Chloromethane	135,000	µg/m³	**0.11 J**	<0.043	<0.18	<0.22	**0.13 J+**	**0.070 J+**	**0.10 J**	**0.098 J**	<8.4	**0.11 J**	<7.3	<8.4	<8.2	<0.10	<0.097	<0.44	<0.43	<0.14
Cyclohexane	12,800,000	µg/m³	**0.43 J**	**0.50 J**	<1.0	<0.83	<0.32	**0.37 J**	<0.15	<0.31	<2.6	<0.41	<2.3	<2.6	<2.6	<0.39	<0.36	<1.7	<1.6	**0.64 J**
1,2-Dibromo-3-chloropropane	2.04	µg/m³	<9.9	<9.7	<40	<43	<16	<9.0	<7.6	<16	<70	<21	<62	<70	<69	<20	<19	<87	<84	<27
Dibromochloromethane	--	µg/m³	<0.51	<0.50	<2.1	<2.3	<0.88	**0.62 J**	<0.41	<0.87	<5.9	<1.1	<5.2	<5.9	<5.8	<1.1	<1.0	**33**	**40**	**3.8 J**
1,2-Dibromoethane	16.3	µg/m³	<0.15	<0.14	<0.61	<0.22	<0.082	<0.045	<0.038	<0.081	<5.6	<0.11	<4.9	<5.6	<5.5	**0.12 J**	<0.094	<0.43	<0.42	**0.35 J**
1,2-Dichlorobenzene	576,000	µg/m³	0.83 UJ	0.82 UJ	3.4 UJ	<0.99	<0.38	<0.21	<0.17	<0.37	<4.8	<0.49	<4.2	<4.8	<4.7	<0.47	<0.43	<2.0	<1.9	<0.62
1,3-Dichlorobenzene	482,000	µg/m³	**9.2**	**11**	<2.9	**5.7**	**2.9**	**5.4**	**4.3**	**2.0**	<4.4	**4.2**	<3.8	<4.4	<4.3	**11**	**1.9 J**	**22**	**17**	**1.3 J**
1,4-Dichlorobenzene	718	µg/m³	**0.18 J**	**0.22 J**	0.68 UJ	<0.61	<0.23	**0.14 J**	<0.11	<0.23	<4.6	<0.30	<4.0	<4.6	<4.5	<0.29	<0.27	<1.2	<1.2	<0.38
Dichlorodifluoromethane	222,000	µg/m³	**2.1**	**2.2**	**2.4**	**4.9**	**9.2**	**2.6**	**4.6**	**4.3**	<3.4	**2.7**	<3.0	<3.4	<3.4	**3.6**	**2.7**	**3.9**	**3.8**	**3.1**
1,1-Dichloroethane	3,450	µg/m³	<0.028	<0.027	**0.45 J**	**1.2**	<0.092	**0.14 J**	**0.16**	**0.14 J**	<2.8	<0.12	<2.4	<2.8	<2.7	**1.2**	**0.15 J**	<0.48	<0.47	**1.6**
1,2-Dichloroethane	208	µg/m³	<0.033	<0.032	<0.13	<0.13	<0.051	<0.028	**0.028 J**	<0.050	<3.8	<0.065	<3.4	<3.8	<3.8	<0.063	<0.058	<0.27	<0.26	**0.12 J**
1,1-Dichloroethene	400,000	µg/m³	<0.023	<0.023	**0.20 J**	**3.8**	<0.11	<0.059	<0.050	<0.11	**7.3**	<0.14	**9.4**	<3.2	**3.7 J**	<0.13	<0.12	<0.57	<0.55	**1.4**
cis-1,2-Dichloroethene	78,400	µg/m³	<0.027	<0.027	<0.11	<0.25	<0.095	<0.052	<0.044	<0.094	<2.0	<0.12	<1.8	<2.0	<2.0	<0.12	<0.11	<0.50	<0.48	<0.16
trans-1,2-Dichloroethene	79,000	µg/m³	<0.026	<0.025	<0.10	<0.27	<0.10	<0.057	<0.048	<0.10	<2.2	<0.13	<1.9	<2.2	<2.1	<0.13	<0.12	<0.54	<0.52	<0.17
1,2-Dichloropropane	1,670	µg/m³	<0.21	<0.21	<0.87	<1.0	<0.38	<0.21	<0.18	<0.38	<5.1	<0.49	<4.4	<5.1	<4.9	<0.47	<0.44	<2.0	<1.9	<0.62
1,4-Dioxane	724	µg/m³	<0.12	<0.12	<0.50	<1.7	<0.65	<0.36	<0.30	<0.64	<14	<0.85	<12	<14	<14	<0.81	<0.75	<3.4	<3.3	<1.1
Ethanol	119,000,000	µg/m³	**11 J+**	**5.7 J+**	**9.7 J+**	**17 J**	**11 J**	**11 J**	**11 J**	**9.5**	**27**	**7.2 J**	**17**	**17**	**19**	**4.4 J**	**8.3 J**	3.5 UJ	**4.9 J**	**3.2 J**
Ethyl acetate	143,000	µg/m³	<3.7	<3.6	<15	<16	<6.2	<3.4	<2.8	<6.0	<26	<8.0	<23	<26	<26	<7.6	<7.1	<32	<31	<10
Ethyl benzene	2,620	µg/m³	**0.45**	**0.23**	**1.8**	<0.51	**0.48**	**0.46**	**0.22**	**0.30**	<3.2	**0.80**	<2.8	<3.2	<3.1	<0.24	**0.24 J**	<1.0	<0.99	**1.2**
4-Ethyltoluene	899,000	µg/m³	**1.0 J**	**0.74 J**	**1.8 J**	<1.0	<0.39	<0.21	<0.18	<0.38	<2.3	<0.50	<2.0	<2.3	<2.3	<0.49	<0.45	<2.0	<2.0	<0.64
Freon 113	20,700,000	µg/m³	<1.0	<1.0	<4.3	<1.4	<0.52	**0.62 J**	**0.56 J**	**0.61 J**	<6.7	<0.67	<5.9	<6.7	<6.6	<0.64	<0.59	<2.7	<2.6	<0.84
n-Heptane	1,060,000	µg/m³	**1.4 J**	**1.7 J**	**1.8 J**	<1.2	<0.48	<0.26	<0.22	<0.47	<2.4	<0.62	<2.1	<2.4	<2.3	<0.59	<0.55	<2.5	<2.4	<0.78
Hexachlorobutadiene	694	µg/m³	<1.6	<1.6	<6.8	<16	<6.2	<3.4	<2.9	<6.1	<9.7	<8.0	<8.5	<9.7	<9.5	<7.7	<7.1	<33	<31	<10
n-Hexane	1,610,000	µg/m³	**0.73 J**	**0.75 J**	<1.9	<1.8	<0.68	**0.38 J**	<0.31	<0.67	<2.4	<0.88	<2.1	<2.4	<2.4	<0.84	<0.78	<3.6	<3.4	<1.1
2-Hexanone	69,300	µg/m³	0.36 UJ	0.35 UJ	1.5 UJ	<4.6	<1.8	<0.97	<0.82	<1.7	<7.2	<2.3	<6.3	<7.2	<7.0	<2.2	<2.0	<9.3	<9.0	<2.9
Methylene Chloride	477,000	µg/m³	<0.66	<0.65	<2.7	<0.90	**0.40 J**	**0.75 J**	**0.42 J**	<0.34	<5.6	**1.3 J**	<4.9	<5.6	<5.4	<0.43	<0.39	**10 J**	**12 J**	**0.95 J**
Methylmethacrylate	1,560,000	µg/m³	<4.2	<4.1	<17	<18	<7.0	<3.8	<3.2	<6.9	<75	<9.0	<65	<75	<73	<8.7	<8.0	<37	<35	<11
Naphthalene	212	µg/m³	**0.58**	**0.30 J**	<0.27	<0.40	**0.18 J**	**0.16 J**	**0.15 J**	<0.15	<0.96	**0.56 J**	<0.84	<0.96	<0.94	<0.19	<0.17	<0.80	<0.77	<0.25
4-Methyl-2-pentanone	7,040,000	µg/m³	**0.42 J**	**0.37 J**	<1.0	<0.90	<0.34	<0.19	<0.16	<0.34	<2.8	<0.44	<2.5	<2.8	<2.8	<0.43	<0.40	<1.8	<1.7	<0.56
Styrene	2,350,000	µg/m³	**0.28 J**	**0.13 J**	<0.50	<0.41	**0.25 J**	**0.36 J**	**0.28 J**	<0.15	<2.2	<0.20	<1.9	<2.2	<2.1	<0.20	<0.18	**2.1 J**	**1.8 J**	<0.26
1,1,1,2-Tetrachloroethane	1,200	µg/m³	<0.20	<0.20	<0.82	<31	<12	<6.4	<5.4	<12	<50	<15	<44	<50	<49	<14	<13	<62	<59	<19
1,1,2,2-Tetrachloroethane	150	µg/m³	<0.045	<0.044	<0.18	<0.41	<0.16	<0.085	<0.072	<0.15	<5.5	<0.20	<4.8	<5.5	<5.4	<0.19	<0.18	<0.82	<0.78	<0.25
Tetrachloroethene	32,800	µg/m³	**2.8**	**2.6**	**100**	**200**	**35**	**5.4**	**110**	**14**	**110**	**25**	**470**	**180**	**200**	**250**	**160**	**130**	**140**	**620**
Tetrahydrofuran	3,470,000	µg/m³	**0.55 J**	**0.44 J**	<1.6	<5.2	<2.0	<1.1	<0.92	<2.0	<2.9	<2.6	<2.5	<2.9	<2.8	<2.5	<2.3	<10	<10	<3.3
Toluene	10,900,000	µg/m³	**3.2**	**2.7**	**10**	**1.4 J**	**6.9**	**3.9**	**1.7**	**4.4**	**4.8 J**	**4.7**	**3.1 J**	<2.2	<2.2	**1.5**	**0.76**	**3.9**	**3.9**	**13**
1,2,4-Trichlorobenzene	7,860	µg/m³	<1.4	<1.3	<5.6	12 UJ	4.6 UJ	2.5 UJ	2.1 UJ	<4.5	<10	6.0 UJ	<9.0	<10	<10	5.7 UJ	5.3 UJ	24 UJ	23 UJ	7.5 UJ
1,1,2-Trichloroethane	416	µg/m³	<0.042	<0.041	<0.17	<0.30	<0.11	<0.062	<0.052	<0.11	<4.4	<0.15	<3.8	<4.4	<4.3	<0.14	<0.13	<0.60	<0.57	<0.18
Trichloroethene	1,590	µg/m³	**0.11 J**	**0.10 J**	**2.8**	**24**	**0.26 J**	**0.65**	**1.2**	**2.4**	**9.1 J**	<0.32	**5.2 J**	**5.4 J**	**5.0 J**	**20**	**0.71**	**3.4**	**3.6**	**40**
Trichlorofluoromethane	--	µg/m³	**1.3**	**1.3**	**1.2 J**	**1.4 J**	**3.0**	**1.4**	**5.0**	**1.8 J**	<3.3	**1.4 J**	<2.9	<3.3	<3.2	**1.6 J**	**1.2 J**	<2.1	<2.0	**1.2 J**
1,2,4-Trimethylbenzene	162,000	µg/m³	**1.6**	**0.89 J**	<1.2	**1.3 J**	**0.61 J**	**0.91 J**	**0.67 J**	<0.36	<3.0	**1.7 J**	<2.7	<3.0	<3.0	<0.46	**0.45 J**	<1.9	<1.8	**1.1 J**
1,3,5-Trimethylbenzene	163,000	µg/m³	**0.40 J**	<0.25	<1.0	<0.88	<0.34	**0.31 J**	**0.17 J**	<0.33	<3.9	<0.43	<3.4	<3.9	<3.9	<0.42	<0.38	<1.8	<1.7	<0.55
Vinyl acetate	404,000	µg/m³	<0.33	<0.32	<1.4	<7.5	<2.8	<1.6	<1.3	<2.8	<6.9	<3.7	<6.1	<6.9	<6.8	<3.5	<3.3	<15	<14	<4.6
Vinyl chloride	1,030	µg/m³	<0.014	<0.013	<0.055	<0.18	<0.067	<0.037	<0.031	<0.066	<1.9	<0.086	<1.6	<1.9	<1.8	<0.083	<0.077	<0.35	<0.34	<0.11
m,p-Xylene	243,000	µg/m³	**1.5**	**0.95**	**7.4**	**1.3 J**	**1.5**	**2.2**	**0.78**	**1.0**	<2.1	**2.8**	<1.8	**2.2 J**	<2.0	**0.74**	**0.86**	<1.8	<1.8	**4.6**
o-Xylene	243,000	µg/m³	**0.68**	**0.38**	**2.4**	**0.52 J**	**0.62**	**0.85**	**0.43**	**0.36**	<2.5	**1.5**	<2.2	<2.5	<2.5	**0.46**	**0.47**	**0.65 J**	**0.57 J**	**2.2**
Xylenes (total)	243,000	µg/m³	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.

TABLE 8-4d. OU-2 RESIDENTIAL ZONE SOIL GAS RESULTS, 10 - 15 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-1			RISG-4		RISG-5		RISG-7		RISG-29		RISG-57	RISG-58	RISG-59	RISG-60	RISG-61	RISG-62	RISG-63	RISG-64	RISG-65		RISG-66	RISG-67
			13 ft bgs	15 ft bgs		15 ft bgs		15 ft bgs		10 ft bgs		15 ft bgs		15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	10 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs		15 ft bgs	15 ft bgs
			3/06/2015	3/11/2019	11/11/2019	3/11/2019	11/12/2019	3/14/2019	11/12/2019	3/14/2019	11/11/2019	3/11/2019	11/08/2019	12/12/2019	12/12/2019	1/22/2020	1/22/2020	12/31/2019	12/13/2019	12/12/2019	12/11/2019	12/12/2019	12/12/2019 (FD)	12/11/2019	12/11/2019
Acetone	101,000,000	µg/m³	<9	**35 J**	<26	**16 J**	**5.9 J**	**14 J**	**13**	**24**	**11**	**29**	<10	**41 J**	**23 J**	<10	**13 J**	**31**	**73**	**18 J**	**33 J+**	**34 J**	**18 J**	**57**	**20 J+**
Acrolein	65.9	µg/m³	<0.23	--	ND	--	ND	--	ND	--	<2.5	--	<18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	129	µg/m³	<0.61	--	<5.5	--	<9.3	--	<4.0	--	<2.4	--	<0.96	<21	<0.64	<26	<19	<0.20	<1.0	<0.98	<6.2	<6.3	<5.8	<2.9	<8.9
Benzene	1,430	µg/m³	**75**	**8.0 J**	<2.5	<1.3	**0.21 J**	<1.3	**0.61**	**1.7 J**	**0.76**	**1.3 J**	<0.41	<2.4	<1.8	<3.0	<1.6	**2.2**	**2.9**	**0.67 J**	**1.1**	**4.4**	**2.8**	**7.6**	**0.98 J**
Benzyl chloride	309	µg/m³	<0.38	<20	<3.1	<4.2	<0.78	<4.2	<0.37	<4.2	<0.22	<4.2	3.9 UJ	<4.2	<1.2	<5.3	<1.8	<0.84	<4.3	<4.0	<0.58	<0.59	<0.55	<0.27	<0.84
Bromodichloromethane	463	µg/m³	**2.7 J**	<10	<3.9	**14**	**8.2**	<2.2	<0.89	<2.2	**1.3 J**	**5.9 J**	**6.4 J**	<4.8	**29**	**12 J**	**25**	**9.2**	<4.3	<4.1	**3.6 J**	**15**	**17**	<0.65	<2.0
Bromoform	23,600	µg/m³	<0.22	<17	<3.4	<3.6	<1.3	<3.6	<0.89	<3.6	<0.53	<3.6	<7.0	<8.4	<2.9	<10	<4.2	<1.5	<7.7	<7.2	<1.4	<1.4	<1.3	<0.65	<2.0
2-Butanone	19,100,000	µg/m³	**14 J**	<14	<7.4	**3.5 J**	<1.7	**5.6 J**	**2.8 J**	**8.6 J**	**1.6 J**	**9.8 J**	<2.6	**24 J**	**13 J**	<7.2	**8.8 J**	**12**	**27**	<2.7	**16**	**8.8**	**5.9 J**	**24**	**13**
Carbon disulfide	2,470,000	µg/m³	**22**	**100**	<40	**9.2 J**	<2.3	**5.8 J**	<0.98	**82**	**1.6 J**	**15**	<5.8	<4.3	**21 J**	<5.4	<4.7	**37**	<6.3	<5.9	**2.1 J**	**26**	**18**	**170**	<2.2
Carbon tetrachloride	2,820	µg/m³	**150**	**97 J**	**85**	<2.0	**1.2**	**3.0 J**	**1.7**	<2.0	**1.8**	**5.2 J**	**3.4**	**78**	**55**	**46**	**54**	**1.2**	**40**	**14**	**4.1**	**3.6**	**3.4**	**4.3**	**1.6**
Chlorobenzene	252,000	µg/m³	<0.16	<6.9	<1.6	<1.5	<0.33	<1.5	**0.58 J**	<1.5	**0.46 J**	<1.5	<2.0	<3.5	<0.87	<4.4	<2.1	<0.42	<2.2	<2.0	<0.68	<0.70	<0.64	<0.32	<0.98
Chloroethane	36,200,000	µg/m³	<0.35	<19	<11	<4.1	<0.066	<4.1	**0.19 J**	<4.1	**0.17 J**	<4.1	<0.16	<3.9	<4.7	<4.9	<0.34	<0.034	<0.17	<0.16	<0.11	**0.52 J**	**0.54 J**	**0.085 J**	<0.16
Chloroform	556	µg/m³	**8,900**	**6,800**	**9,400**	**490**	**490**	**650**	**230**	**94**	**130**	**670**	**910**	**4,100**	**2,900**	**4,300**	**2,300**	**240**	**1,400**	**1,900**	**550**	**410**	**380**	**200**	**550**
Chloromethane	278,000	µg/m³	<0.12	<9.6	9.5 UJ	<2.0	<0.66	<2.0	**0.68 J**	<2.0	**0.50 J**	<2.0	<0.34	<11	<2.8	<14	<0.43	**0.13 J**	<0.38	<0.35	**0.22 J+**	**0.38 J+**	**0.17 J+**	**0.66 J**	**0.23 J+**
Cyclohexane	27,500,000	µg/m³	<0.38	--	<3.3	--	<0.47	--	<0.34	--	<0.20	--	<2.0	<3.5	<0.50	<4.3	<1.6	**0.64 J**	<2.2	<2.1	<0.53	<0.54	<0.50	**1.0**	<0.76
1,2-Dibromo-3-chloropropane	4.54	µg/m³	<0.0056	--	<11	--	<41	--	<18	--	<10	--	<77	<93	<2.0	<120	<84	<16	<84	<79	<28	<28	<26	<13	<40
Dibromochloromethane	--	µg/m³	**0.49 J**	<16	<3.3	<3.4	<0.71	<3.4	<0.94	<3.4	<0.56	<3.4	<4.0	<7.8	**1.8 J**	<9.7	<4.5	<0.86	<4.4	<4.1	<1.5	<1.5	<1.4	<0.69	<2.1
1,2-Dibromoethane	36.4	µg/m³	<0.0037	<14	<3.2	<2.9	<0.13	<2.9	<0.088	<2.9	<0.052	<2.9	<1.2	<7.4	<1.3	<9.2	<0.42	<0.25	<1.3	<1.2	<0.14	**0.17 J**	**0.14 J**	**0.16 J**	<0.20
1,2-Dichlorobenzene	1,270,000	µg/m³	<0.16	<18	<3.2	<3.9	<0.78	<3.9	<0.40	<3.9	<0.24	<3.9	6.5 UJ	<6.3	<1.2	<7.9	<1.9	1.4 UJ	7.1 UJ	6.7 UJ	<0.63	<0.64	<0.59	<0.30	<0.91
1,3-Dichlorobenzene	1,050,000	µg/m³	<0.26	<16	**2.8 J**	<3.3	<1.1	<3.3	**1.6 J**	<3.3	**6.4**	**7.1 J**	5.5 UJ	<5.8	**2.8 J**	<7.2	<3.6	**36**	**11**	<5.7	**4.1**	**4.7**	**5.7**	**12**	**9.3**
1,4-Dichlorobenzene	1,590	µg/m³	**0.79 J**	<21	<3.2	<4.5	<0.56	<4.5	<0.25	<4.5	**0.35**	<4.5	1.3 UJ	<6.0	<0.89	<7.6	<1.2	0.28 UJ	1.4 UJ	1.3 UJ	<0.39	<0.40	<0.37	**0.31 J**	<0.56
Dichlorodifluoromethane	481,000	µg/m³	<0.56	<17	**5.4 J**	<3.6	**2.0 J-**	**3.9 J**	**2.8**	**3.9 J**	**2.7**	**3.9 J**	**2.0**	**4.7 J**	**5.9 J**	**6.3 J**	**3.0**	**2.2**	**2.4**	**4.8**	**8.8**	**2.6**	**2.5**	**4.1**	**4.6**
1,1-Dichloroethane	7,410	µg/m³	**3.5**	<6.8	<4.2	<1.5	**0.10 J**	**2.3 J**	**0.48**	<1.5	**0.93**	<1.5	**0.75 J**	<3.7	**0.99 J**	**5.3 J**	**1.0 J**	<0.046	**1.2 J**	**3.4**	**0.21 J**	**0.35 J**	**0.33 J**	**0.64**	**0.48 J**
1,2-Dichloroethane	444	µg/m³	**1.1 J**	<8.4	<2.3	<1.8	<0.042	<1.8	<0.054	<1.8	**0.18**	<1.8	<0.25	<5.0	<1.4	<6.3	<0.26	**0.13 J**	<0.28	<0.26	<0.084	<0.086	<0.080	<0.040	<0.12
1,1-Dichloroethene	856,000	µg/m³	**19**	**19 J**	**20 J**	<1.4	**0.18 J**	**7.5 J**	<0.12	<1.4	**0.26**	**1.5 J**	**1.1**	**9.1 J**	**4.0 J**	**77**	**7.8**	**0.076 J**	**2.7**	**27**	<0.18	<0.18	<0.17	**0.40**	**0.55**
cis-1,2-Dichloroethene	167,000	µg/m³	<0.56	<8.3	<3.8	<1.8	<0.039	<1.8	<0.10	<1.8	<0.060	<1.8	<0.21	<2.6	<1.2	<3.3	<0.48	<0.046	<0.23	**0.70 J**	<0.16	<0.16	<0.15	**0.076 J**	<0.23
trans-1,2-Dichloroethene	169,000	µg/m³	<0.21	<9.3	<5.2	<2.0	<0.042	<2.0	<0.11	<2.0	**0.095 J**	<2.0	<0.20	<2.8	<2.0	<3.6	<0.53	<0.043	<0.22	<0.21	<0.17	<0.18	<0.16	<0.081	<0.25
1,2-Dichloropropane	3,610	µg/m³	**1.2 J**	<26	<5.4	<5.5	<0.72	<5.5	<0.41	<5.5	<0.24	<5.5	<1.6	<6.6	**1.6 J**	<8.3	<1.9	<0.35	<1.8	<1.7	<0.64	<0.65	<0.60	**1.2 J**	<0.92
1,4-Dioxane	1,270	µg/m³	<0.13	--	<4.6	--	<0.58	--	<0.70	--	<0.42	--	<0.96	<18	<1.6	<23	<3.3	<0.20	<1.0	<0.98	<1.1	<1.1	<1.0	<0.51	<1.6
Ethanol	213,000,000	µg/m³	**160**	--	9.4 UJ	--	<1.8	--	0.71 UJ	--	**4.3 J**	--	<3.2	**22**	**9.7 J**	<15	<3.4	**23 J+**	**29 J+**	**15 J+**	**18 J**	**13 J**	**8.8 J**	**26 J**	**17 J**
Ethyl acetate	304,000	µg/m³	**7.7**	--	<4.7	--	<15	--	<6.6	--	<3.9	--	<29	<34	<2.2	<43	<31	<6.2	<32	<30	<10	<10	<9.7	**7.8**	<15
Ethyl benzene	5,710	µg/m³	**74**	<6.4	<3.2	<1.4	**0.14 J**	<1.4	**0.27 J**	**11**	**0.16 J**	**3.8 J**	<0.18	<4.2	<0.93	<5.2	<1.0	**5.6**	**4.0**	**0.37 J**	<0.33	**6.3**	**6.8**	**1.8**	**1.5**
4-Ethyltoluene	1,950,000	µg/m³	**54**	<22	<2.3	<4.6	<0.46	<4.6	<0.42	<4.6	<0.25	<4.6	<2.1	<3.1	<1.0	<3.8	<2.0	**6.9 J**	**6.2 J**	2.2 UJ	<0.65	<0.67	<0.61	<0.30	**1.0 J**
Freon 113	46,900,000	µg/m³	**2.1 J**	<29	<7.5	<6.2	<1.1	<6.2	<0.55	<6.2	<0.33	<6.2	<8.2	<8.8	<2.3	<11	<2.6	<1.7	<8.9	<8.4	<0.86	<0.88	<0.81	**0.61 J**	<1.2
n-Heptane	2,340,000	µg/m³	**57**	--	<3.3	--	<1.5	--	<0.51	--	<0.30	--	<3.0	<3.1	<0.99	<3.9	<2.4	**3.7 J**	<3.3	<3.1	<0.79	<0.81	<0.75	<0.37	<1.1
Hexachlorobutadiene	1,590	µg/m³	<0.15	<110	<10	<23	<6.5	<23	<6.6	<23	<3.9	<23	13 UJ	<13	<3.9	<16	<32	<2.8	<14	<13	<10	<10	<9.8	<4.8	<15
n-Hexane	3,490,000	µg/m³	**55**	--	<5.9	--	<2.9	--	<0.73	--	<0.43	--	<3.6	<3.2	<1.3	<4.0	<3.4	**1.4 J**	<3.9	<3.6	<1.1	**1.4 J**	<1.1	**2.0 J**	<1.6
2-Hexanone	148,000	µg/m³	<0.16	<8.4	<2.4	<1.8	<1.3	<1.8	<1.9	<1.8	<1.1	<1.8	2.8 UJ	<9.4	<1.7	<12	<9.0	**1.7 J**	3.0 UJ	2.8 UJ	<3.0	<3.0	<2.8	<1.4	<4.2
Methylene Chloride	1,010,000	µg/m³	**4.4**	<5.9	<3.2	<1.3	<5.0	<1.3	**0.75 J**	**1.3 J**	**1.4 J**	<1.3	<5.2	<7.3	<2.6	<9.1	**2.2 J**	<1.1	<5.7	<5.3	<0.57	**1.1 J**	**0.83 J**	**1.3 J**	<0.82
Methylmethacrylate	3,360,000	µg/m³	<0.42	--	<5.9	--	<18	--	<7.5	--	<4.4	--	<33	<98	<1.6	<120	<36	<7.0	<36	<34	<12	<12	<11	<5.5	<17
Naphthalene	465	µg/m³	**150**	--	<4.4	--	<0.68	--	**0.39 J**	--	**0.66**	--	<0.51	<1.2	<0.46	<1.6	<0.77	**0.44 J**	<0.56	<0.52	<0.25	**0.28 J**	<0.24	**0.33 J**	<0.36
4-Methyl-2-pentanone	15,200,000	µg/m³	**33**	<13	<12	<2.8	**1.8 J**	<2.8	<0.37	<2.8	<0.22	**5.8 J**	<2.0	<3.7	<1.2	<4.6	<1.8	**0.89 J+**	<2.2	<2.1	<0.57	<0.59	<0.54	<0.27	<0.83
Styrene	5,110,000	µg/m³	<0.21	<5.9	<1.8	<1.3	<0.54	<1.3	<0.17	<1.3	<0.10	<1.3	<0.96	<2.8	<1.1	<3.6	<0.80	**4.8**	<1.0	<0.98	<0.26	**1.0 J**	**0.77 J**	**0.82 J**	**0.68 J**
1,1,1,2-Tetrachloroethane	2,680	µg/m³	<0.007	--	<3.3	--	<29	--	<12	--	<7.4	--	<1.6	<66	<1.9	<82	<60	<0.34	<1.7	<1.6	<20	<20	<18	<9.2	<28
1,1,2,2-Tetrachloroethane	332	µg/m³	<0.0076	<11	<2.8	<2.4	<0.26	<2.4	<0.17	<2.4	<0.098	<2.4	<0.35	<7.2	<0.96	<9.0	<0.79	<0.075	<0.38	<0.36	<0.26	<0.26	<0.24	<0.12	<0.37
Tetrachloroethene	73,200	µg/m³	**120**	**440**	**1,100**	**69**	**59**	**160**	**99**	**82**	**180**	**460**	**340**	**170**	**320**	**250**	**86**	**23**	**240**	**450**	**68**	**19**	**17**	**210**	**26**
Tetrahydrofuran	7,180,000	µg/m³	<0.21	--	<1.5	--	<1.8	--	<2.1	--	<1.3	--	<3.1	<3.8	<1.2	<4.8	<10	**4.2 J**	<3.4	<3.2	**3.6 J**	<3.4	<3.1	**2.4 J**	**6.3 J**
Toluene	23,500,000	µg/m³	**190**	**11 J**	<2.5	**2.8 J**	**0.63 J**	**1.7 J**	**1.8**	**5.1 J**	**0.61**	**2.9 J**	**0.68 J**	<2.9	<1.6	<3.6	**6.6**	**220**	**15**	**1.2 J**	**2.6**	**26**	**22**	**18**	**17**
1,2,4-Trichlorobenzene	17,700	µg/m³	**0.82 J**	<76	<6.2	<16	<6.3	<16	4.9 UJ	<16	2.9 UJ	<16	10 UJ	<14	<1.5	<17	<23	<2.3	<12	<11	7.7 UJ	7.9 UJ	7.2 UJ	3.6 UJ	11 UJ
1,1,2-Trichloroethane	906	µg/m³	<0.012	<8.6	<3.5	<1.8	<0.082	<1.8	<0.12	<1.8	<0.072	<1.8	<0.32	<5.8	<2.0	<7.2	<0.58	<0.070	<0.36	<0.33	<0.19	<0.19	<0.18	<0.088	<0.27
Trichloroethene	3,470	µg/m³	**3.5**	<13	**18 J**	<2.8	**2.0**	**21**	**8.0**	**6.3 J**	**12**	**7.7 J**	**6.6**	**7.3 J**	**6.6 J**	**60**	**5.6**	**0.20 J**	**7.0**	**57**	**0.63**	**2.2**	**2.2**	**5.3**	**6.1**
Trichlorofluoromethane	--	µg/m³	**5.2**	<26	<5.6	<5.5	**1.2 J**	<5.5	**1.1 J**	<5.5	**1.7**	<5.5	<1.6	**5.5 J**	**1.7 J**	<5.4	<2.0	**1.3 J**	<1.7	<1.6	**3.4**	**1.2 J**	**1.1 J**	**4.2**	**1.6 J**
1,2,4-Trimethylbenzene	356,000	µg/m³	**240**	<19	<4.8	<4.0	<0.31	<4.0	**1.1 J**	**4.0 J**	**0.56 J**	**4.4 J**	<2.3	<4.0	<1.2	<5.0	<1.9	**5.5**	**4.7 J**	<2.3	**0.66 J**	**4.3 J**	**8.5 J**	**2.1**	**1.2 J**
1,3,5-Trimethylbenzene	359,000	µg/m³	**81**	<14	<3.8	<3.1	<0.43	<3.1	<0.36	<3.1	<0.21	<3.1	<2.0	<5.2	<1.6	<6.5	<1.7	**2.4**	<2.2	<2.0	<0.56	**1.8 J**	**3.2**	**0.72 J**	<0.81
Vinyl acetate	862,000	µg/m³	<0.61	<12	<14	<2.6	<3.0	<2.6	<3.0	<2.6	<1.8	<2.6	<2.6	<9.1	<2.8	<11	<14	<0.55	<2.8	<2.6	<4.8	<4.9	<4.5	<2.2	<6.8
Vinyl chloride	2,150	µg/m³	<0.0075	<7.2	<2.6	<1.5	<0.032	<1.5	<0.072	<1.5	<0.042	<1.5	<0.10	<2.4	<0.82	<3.0	<0.34	<0.022	<0.12	<0.11	<0.11	<0.11	<0.10	<0.052	<0.16
m,p-Xylene	530,000	µg/m³	--	**18 J**	<3.1	<2.2	**0.36 J**	**3.1 J**	**0.84**	**28**	**0.51**	**16 J**	**0.83 J**	**2.8 J**	<1.7	<3.4	<1.8	**18**	**16**	**1.4 J**	**0.84 J**	**28**	**32**	**4.8**	**6.2**
o-Xylene	530,000	µg/m³	--	**8.6 J**	<2.0	<1.2	**0.18 J**	**1.4 J**	**0.41**	**11**	**0.24**	**6.7 J**	**0.32 J**	<3.3	<0.95	<4.2	**0.40 J**	**5.9**	**5.8**	**0.68 J**	**0.36 J**	**8.6**	**11**	**1.9**	**2.3**
Xylenes (total)	530,000	µg/m³	**450**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.
To be conservative, 10-foot screening levels are used for comparison. 15-foot Chloroform screening level is 855 µg/m³

TABLE 8-4d. OU-2 RESIDENTIAL ZONE SOIL GAS RESULTS, 10 - 15 FT BGS
Nevada Environmental Response Trust Site; Henderson, Nevada

Chemical	Screening Level	Unit	RISG-68		RISG-69	RISG-70	RISG-71	RISG-72	RISG-73	RISG-74		RISG-75
			15 ft bgs		15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs	15 ft bgs		15 ft bgs
			12/10/2019	12/10/2019 (FD)	12/09/2019	12/10/2019	12/11/2019	12/04/2019	12/09/2019	12/03/2019	12/03/2019 (FD)	12/03/2019
Acetone	101,000,000	µg/m³	**51 J**	**34 J**	**5.9 J**	**20 J**	**22 J**	**7.0 J**	**40**	**21 J**	**19 J**	<6.9
Acrolein	65.9	µg/m³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	129	µg/m³	<33	<33	<10	<37	<25	<9.2	<9.7	<19	<19	<19
Benzene	1,430	µg/m³	<3.9	<3.9	**2.0**	<4.4	<2.9	<0.79	**4.7**	<1.6	<1.6	**1.8 J**
Benzyl chloride	309	µg/m³	<6.7	<6.7	<0.95	<7.5	<5.0	<0.86	<0.91	<1.8	<1.8	<1.8
Bromodichloromethane	463	µg/m³	<7.7	<7.7	**120**	<8.6	<5.7	**2.6 J**	<2.2	**760**	**740**	<4.2
Bromoform	23,600	µg/m³	<13	<13	<2.2	<15	<10	<2.0	<2.2	<4.2	<4.2	<4.2
2-Butanone	19,100,000	µg/m³	<9.3	<9.3	<2.8	<10	<6.9	<2.5	**19**	**16 J**	**12 J**	<5.2
Carbon disulfide	2,470,000	µg/m³	<6.9	<6.9	**3.4 J**	<7.7	**5.8 J**	<2.3	**100**	**19 J**	**23 J**	**30**
Carbon tetrachloride	2,820	µg/m³	**38**	**38**	**1.4**	**53**	**32**	**1.1**	**1.6**	**2.8**	**2.7**	**8.0**
Chlorobenzene	252,000	µg/m³	<5.6	<5.6	<1.1	<6.3	<4.2	<1.0	<1.1	<2.1	<2.1	<2.1
Chloroethane	36,200,000	µg/m³	<6.3	<6.3	<0.18	<7.0	<4.7	<0.16	<0.18	<0.34	**0.36 J**	<0.34
Chloroform	556	µg/m³	**5,100**	**5,400**	**590**	**6,800**	**3,900**	**600**	**620**	**2,300**	**2,200**	**610**
Chloromethane	278,000	µg/m³	<18	<18	**0.57 J**	<20	<13	<0.21	**0.58 J**	**0.63 J**	**0.62 J**	<0.42
Cyclohexane	27,500,000	µg/m³	<5.5	<5.5	<0.86	<6.2	<4.1	<0.78	<0.83	<1.6	<1.6	<1.6
1,2-Dibromo-3-chloropropane	4.54	µg/m³	<150	<150	<45	<160	<110	<41	<43	<84	<83	<83
Dibromochloromethane	--	µg/m³	<12	<12	**6.1 J**	<14	<9.2	<2.2	<2.3	**210**	**190**	<4.4
1,2-Dibromoethane	36.4	µg/m³	<12	<12	<0.22	<13	<8.8	<0.20	<0.22	<0.42	<0.42	<0.42
1,2-Dichlorobenzene	1,270,000	µg/m³	<10	<10	<1.0	<11	<7.5	<0.93	<0.99	<1.9	<1.9	<1.9
1,3-Dichlorobenzene	1,050,000	µg/m³	<9.2	<9.2	**2.3 J**	<10	<6.8	**5.1**	**2.4 J**	**5.1 J**	**4.2 J**	<3.6
1,4-Dichlorobenzene	1,590	µg/m³	<9.7	<9.7	<0.64	<11	<7.2	<0.58	<0.61	<1.2	<1.2	<1.2
Dichlorodifluoromethane	481,000	µg/m³	<7.2	<7.2	**2.6**	<8.0	<5.4	**3.7**	**2.7**	**4.0**	**3.9**	**3.4**
1,1-Dichloroethane	7,410	µg/m³	<5.9	<5.9	<0.25	<6.6	<4.4	**2.9**	**0.46 J**	<0.47	<0.46	**2.9**
1,2-Dichloroethane	444	µg/m³	<8.1	<8.1	<0.14	<9.0	<6.0	<0.12	<0.13	<0.26	<0.25	<0.25
1,1-Dichloroethene	856,000	µg/m³	**16**	**17**	<0.30	**23**	<5.0	**1.0**	<0.28	<0.55	<0.54	**3.3**
cis-1,2-Dichloroethene	167,000	µg/m³	<4.2	<4.2	<0.26	<4.7	<3.2	**0.37 J**	<0.25	<0.48	<0.48	<0.48
trans-1,2-Dichloroethene	169,000	µg/m³	<4.6	<4.6	<0.28	<5.1	<3.4	<0.26	<0.27	<0.52	<0.52	<0.52
1,2-Dichloropropane	3,610	µg/m³	<11	<11	<1.0	<12	<7.9	<0.94	<1.0	<1.9	<1.9	<1.9
1,4-Dioxane	1,270	µg/m³	<29	<29	<1.8	<33	<22	<1.6	<1.7	<3.3	<3.3	<3.3
Ethanol	213,000,000	µg/m³	**36**	<19	**3.8 J**	<22	**18 J**	**5.7 J**	**17 J**	**7.1 J**	3.4 UJ	**7.4 J**
Ethyl acetate	304,000	µg/m³	<55	<55	<17	<62	<41	<15	<16	<31	<31	<31
Ethyl benzene	5,710	µg/m³	<6.6	<6.6	<0.53	<7.4	<4.9	<0.48	**1.2**	<0.99	<0.98	**1.6**
4-Ethyltoluene	1,950,000	µg/m³	<4.9	<4.9	<1.1	<5.5	<3.6	<0.97	<1.0	<2.0	<2.0	<2.0
Freon 113	46,900,000	µg/m³	<14	<14	<1.4	<16	<10	<1.3	<1.4	<2.6	<2.6	<2.6
n-Heptane	2,340,000	µg/m³	<5.0	<5.0	<1.3	<5.6	<3.7	<1.2	<1.2	<2.4	<2.4	<2.4
Hexachlorobutadiene	1,590	µg/m³	<20	<20	<17	<23	<15	<15	<16	<31	<31	<31
n-Hexane	3,490,000	µg/m³	<5.1	<5.1	<1.8	<5.7	<3.8	<1.7	<1.8	<3.4	<3.4	<3.4
2-Hexanone	148,000	µg/m³	<15	<15	<4.8	<17	<11	<4.4	<4.6	<9.0	<8.9	<8.9
Methylene Chloride	1,010,000	µg/m³	<12	<12	**5.4 J**	<13	<8.7	<0.85	**2.1 J**	**16**	**15**	<1.7
Methylmethacrylate	3,360,000	µg/m³	<160	<160	<19	<180	<120	<17	<18	<35	<35	<35
Naphthalene	465	µg/m³	<2.0	<2.0	<0.41	<2.2	<1.5	**0.49 J**	<0.40	<0.77	<0.76	<0.76
4-Methyl-2-pentanone	15,200,000	µg/m³	<6.0	<6.0	<0.94	<6.6	<4.4	<0.85	<0.90	<1.7	<1.7	<1.7
Styrene	5,110,000	µg/m³	<4.6	<4.6	<0.43	<5.1	<3.4	<0.39	<0.41	<0.79	<0.79	<0.79
1,1,1,2-Tetrachloroethane	2,680	µg/m³	<100	<100	<32	<120	<78	<29	<31	<59	<59	<59
1,1,2,2-Tetrachloroethane	332	µg/m³	<12	<12	<0.42	<13	<8.6	<0.38	<0.41	<0.78	<0.78	<0.78
Tetrachloroethene	73,200	µg/m³	**200**	**220**	**33**	**1,800**	**200**	**550**	**280**	**260**	**260**	**1,100**
Tetrahydrofuran	7,180,000	µg/m³	<6.1	<6.1	<5.4	<6.8	<4.5	<5.0	<5.2	<10	<10	<10
Toluene	23,500,000	µg/m³	<4.6	<4.6	<0.53	<5.2	<3.4	**0.58 J**	**9.5**	**1.8 J**	**1.6 J**	**5.4**
1,2,4-Trichlorobenzene	17,700	µg/m³	<22	<22	12 UJ	<24	<16	11 UJ	12 UJ	23 UJ	23 UJ	23 UJ
1,1,2-Trichloroethane	906	µg/m³	<9.2	<9.2	<0.31	<10	<6.8	<0.28	<0.30	<0.57	<0.57	<0.57
Trichloroethene	3,470	µg/m³	**17 J**	**20 J**	<0.68	**17 J**	**7.6 J**	**42**	**1.5**	**7.4**	**7.4**	**69**
Trichlorofluoromethane	--	µg/m³	<6.9	<6.9	**1.2 J**	<7.7	<5.1	**1.8 J**	**1.3 J**	<2.0	<2.0	<2.0
1,2,4-Trimethylbenzene	356,000	µg/m³	<6.4	<6.4	<1.0	<7.1	<4.8	<0.90	<0.96	<1.8	<1.8	**1.9 J**
1,3,5-Trimethylbenzene	359,000	µg/m³	<8.3	<8.3	<0.91	<9.2	<6.2	<0.83	<0.88	<1.7	<1.7	<1.7
Vinyl acetate	862,000	µg/m³	<14	<14	<7.8	<16	<11	<7.0	<7.5	<14	<14	<14
Vinyl chloride	2,150	µg/m³	<3.9	<3.9	<0.18	<4.4	<2.9	<0.16	<0.18	<0.34	<0.34	<0.34
m,p-Xylene	530,000	µg/m³	<4.3	<4.3	<0.95	<4.8	<3.2	<0.86	**2.7**	<1.8	<1.8	**6.5**
o-Xylene	530,000	µg/m³	<5.3	<5.3	**0.28 J**	<5.9	<4.0	**0.21 J**	**1.3**	<0.34	**0.37 J**	**3.1**
Xylenes (total)	530,000	µg/m³	--	--	--	--	--	--	--	--	--	--

Notes:
'--' : not analyzed
(FD) = field duplicate
ft bgs = feet below ground surface
µg/m³ = micrograms per cubic meter
ND : Result reported as tentatively identified compound and not detected

bold value : detection
< : Not detected above laboratory reporting limits
J : Estimated value
J- : Estimated value, potential negative bias
J+ : Estimated value, potential positive bias
UJ : The analyte was not detected, and the detection limit is an estimated quantity

VOCs shown include any chemical detected in 2015-2020 RI Sampling in OU-1 or OU-2
Xylenes are compared to screening level for total Xylenes
Highlighted values exceed screening criteria.
To be conservative, 10-foot screening levels are used for comparison. 15-foot Chloroform screening level is 855 µg/m³

Table 9-1. Summary of Retained COPCs in OU-1 and OU-2
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemicals	OU-1		OU-2		
	NERT Site Study Area		NERT Off-Site Study Area	Eastside Sub-Area	
	Soil	Groundwater	Groundwater	Soil	Groundwater
Primary COPCs					
Perchlorate	**X**	**X**	**X**	X [a]	X [a]
Chlorate	**X**	**X**	**X**	X [a]	X [a]
Chromium	X [b]	X [c]	X [c]		
Chloroform	**X**	**X**	**X**		
Other COPCs					
Bromide		X			
Nitrite		X			
Nitrate	X	X	X		
Metals					
Antimony	X				
Arsenic	X	X	X		
Barium	X				
Boron	X	X	X		
Cobalt	X				
Lead	X				
Magnesium	X	X	X		
Manganese	X	X	X		
Nickel	X				
Strontium		X			
Uranium (total)		X			
Radionuclides					
Thorium-228		X			
Thorium-230		X			
Volatile Organic Compounds (VOCs)					
Benzene	X	X	X		
Bromodichloromethane		X	X		
Bromoform		X			
Carbon Tetrachloride	X	X	X		
Chlorobenzene	X	X	X		
1,2-Dichlorobenzene		X			
1,3-Dichlorobenzene		X			
1,4-Dichlorobenzene		X			
1,1-Dichloroethane (1,1-DCA)		X	X		
1,2-Dichloroethane (1,2-DCA)		X			
1,1-Dichloroethene (1,1-DCE)		X			
1,4-Dioxane		X	X		
Methylene Chloride	X	X			
1,1,2,2-Tetrachloroethane		X			
Tetrachloroethene (PCE)		X	X		
Trichloroethene (TCE)		X			
1,2,3-Trichloropropane	X	X	X		

Table 9-1. Summary of Retained COPCs in OU-1 and OU-2
Nevada Environmental Response Trust Site
Henderson, Nevada

Chemicals	OU-1		OU-2		
	NERT Site Study Area		NERT Off-Site Study Area	Eastside Sub-Area	
	Soil	Groundwater	Groundwater	Soil	Groundwater
Semivolatile Organic Compounds (SVOCs)					
1,4-Dioxane	X				
Hexachlorobenzene	X				
Polycyclic Aromatic Hydrocarbons (PAHs)					
1-Methylnapthalene	X				
2-Methlynapthalene	X				
Polychlorinated Biphenyls (PCBs)					
Aroclor-1248	X				
Aroclor-1254	X				
Aroclor-1260	X				
Dioxins/Furans					
2,3,7,8-tetrachlorodibenzo-p-dioxin	X				
2,3,7,8-tetrachlorodibenzofuran	X				
Other 14 cogeners with TEFs	X [d]				
Organochlorine Pesticides (OCPs)					
alpha-BHC	X				
beta-BHC	X				
gamma-BHC	X				
Other Organics					
4-Chlorobenzenesulfonic Acid		X			
Formaldehyde	X	X			

Notes:

COPCs = Chemicals of Potential Concern

X = Retained COPC; retained as a COPC during secondary screening.

[a] Identified as a Henderson Legacy Condition (HLC) to be evaluated in Eastside Sub-Area vadose zone soil (below 10 feet) and groundwater (NDEP 2016). Chemicals in shallow soil (0-10 feet bgs) were evaluated previously by BRC and have received an NFA.

[b] Hexavalent chromium.

[c] A detailed analysis of hexavalent chromium to total chromium ratios was performed as part of the 2016 Groundwater Monitoring Optimization Plan. The analysis found that the concentration of total chromium is generally equal to the concentration of hexavalent chromium within the NERT groundwater plume. With NDEP approval, hexavalent chromium was generally eliminated from NERT's on-going monitoring program in 2016. Therefore, total chromium and hexavalent chromium are not regarded as separate COPCs and interpretations of the lateral and vertical extent of chromium in groundwater will primarily rely on total chromium data (rather than hexavalent chromium data).

[d] Within the group of 15 other cogeners with TEFs, one compound (octachlorodibenzo-p-dioxin) was screened out in the initial screening. The other 14 compounds were retained as COPCs.

Table 9-2. KEY CHEMICAL AND PHYSICAL PARAMETERS OF COPCs ASSOCIATED WITH THE NERT RI STUDY AREA
Nevada Environmental Response Trust Site; Henderson, Nevada

ANALYTES	Solubility (Water)[1]	Volatility[2]	Soil-Water Partition Coefficient (Kd)[3]
Chlorates and Inorganic Anions	*highly soluble*	*non-volatile*	*low*
Metals	*semi-soluble*	*non-volatile*	*low*
Volatile Organic Compounds (VOCs)	*semi-soluble*	*highly volatile*	*low*
Semivolatile Organic Compounds (SVOCs)	*semi-soluble*	*semivolatile*	*medium*
Organochlorine Pesticides (OCPs)	*semi-soluble*	*semivolatile*	*high*
Polycyclic Aromatic Hydrocarbons (PAHs)	*semi-soluble*	*semivolatile*	*high*
Polychlorinated Biphenyls (PCBs)	*semi-soluble*	*semivolatile*	*high*
Dioxins/Furans	*semi-soluble*	*semivolatile*	*high*
Radionuclides	*semi-soluble*	*non-volatile*	*medium/variable*

Notes:

1. The solubility of a contaminant in water is a key parameter that affects the transport of solute via the water medium. Soluble contaminants may be dissolved in surface water and transported in runoff and recharge, impacting the vadose (unsaturated) zone and potentially the groundwater. Solubilities of organic chemicals generally range from less than 0.001 mg/L to greater than 100,000 mg/L.

2. The volatility of a chemical in its pure state is dependent on its vapor pressure. Vapor pressure is the pressure (often expressed in millimeters of mercury) of a vapor in equilibrium with its liquid or solid form at a given temperature. Vapor pressure typically ranges from 1×10^{-7} to 7.6×10^{2} millimeters of mercury at 25 degrees Celsius for liquids, with the higher values indicating a greater tendency to volatilize or enter the gas phase.

3. Chemcials with higher Kd values have a higher potential to remain sorbed to soil, which would restrict their mobility in soil and groundwater.