

**Table 1. Static Water Levels (Feet Above Mean Sea Level)**

Well ID	Date Sampled	Top of Casing Elevation AMSL	Depth to Static Water (Feet bgs)	Static Water Level Elevation	Sampling Organization
M1	6/21/1988	3869.51	--	3859.60	MDH
M1	7/13/1988	3869.51	--	3862.20	MDH
M1	7/29/1988	3869.51	--	3858.84	MDH
M1	8/11/1988	3869.51	--	3857.67	MDH
M1	9/13/1988	3869.51	--	3859.30	MDH
M1	12/12/1988	3869.51	--	3860.00	MDH
M1	5/5/1989	3869.51	--	3860.90	MDH
M1	6/20/1994	3869.51	8.92	3860.59	Huntingdon
M1	4/24/2001	3869.51	8.63	3860.88	Olympus
M1	6/29/2001	3869.51	9.76	3859.75	Olympus
M1	12/6/2001	3869.51	nm	nm	Olympus
M1	7/20/2005	3869.51	9.64	3859.87	MDT
M1	5/16/2006	3869.51	8.85	3860.66	MDT
M1	9/11/2007	3869.51	8.95	3860.56	MDT
M2	6/21/1988	3858.66	--	3854.32	MDH
M2	7/13/1988	3858.66	--	3858.22	MDH
M2	7/29/1988	3858.66	--	3854.62	MDH
M2	8/11/1988	3858.66	--	3853.94	MDH
M2	9/13/1988	3858.66	--	3854.90	MDH
M2	12/12/1988	3858.66	--	3855.70	MDH
M2	5/5/1989	3858.66	--	3856.20	MDH
M2	6/20/1994	3858.66	2.57	3856.09	Huntingdon
M2	4/24/2001	3858.66	2.71	3855.95	Olympus
M2	6/29/2001	3858.66	3.69	3854.97	Olympus
M2	12/6/2001	3858.66	nm	nm	Olympus
M2	7/21/2005	3858.66	3.82	3854.84	MDT
M2	5/18/2006	3858.66	3.01	3855.65	MDT
M3	6/21/1988	3861.68	--	3855.79	MDH
M3	7/13/1988	3861.68	--	3856.27	MDH
M3	7/29/1988	3861.68	--	3856.14	MDH
M3	8/11/1988	3861.68	--	3854.76	MDH
M3	9/13/1988	3861.68	--	3856.40	MDH
M3	12/12/1988	3861.68	--	3857.70	MDH
M3	5/5/1989	3861.68	--	3858.40	MDH
M3	6/20/1994	3861.68	4.34	3857.34	Huntingdon
M3	4/24/2001	3861.68	4.75	3856.93	Olympus
M3	6/29/2001	3861.68	5.61	3856.07	Olympus
M3	12/6/2001	3861.68	nm	nm	Olympus
M4	7/13/1988	3860.56	--	3856.11	MDH
M4	7/29/1988	3860.56	--	3855.46	MDH
M4	8/11/1988	3860.56	--	3854.31	MDH
M4	9/13/1988	3860.56	--	3855.80	MDH
M4	12/12/1988	3860.56	--	3857.10	MDH
M4	5/5/1989	3860.56	--	3857.70	MDH
M4	6/20/1994	3860.56	3.33	3857.23	Huntingdon

**Table 1. Static Water Levels (Feet Above Mean Sea Level), continued**

Well ID	Date Sampled	Top of Casing Elevation AMSL	Depth to Static Water (Feet bgs)	Static Water Level Elevation	Sampling Organization
M4	4/24/2001	3860.56	3.62	3856.94	Olympus
M4	6/29/2001	3860.56	4.94	3855.62	Olympus
M4	12/6/2001	3860.56	4.18	3856.38	Olympus
M4	9/11/2007	3860.56	3.62	3856.94	MDT
M5	7/29/1988	3868.26	--	3856.83	MDH
M5	9/13/1988	3868.26	--	3860.10	MDH
M5	12/12/1988	3868.26	--	3860.30	MDH
M5	5/5/1989	3868.26	--	3861.20	MDH
M5	6/20/1994	3868.26	7.92	3860.34	Huntingdon
M5	4/24/2001	3868.26	7.36	3860.90	Olympus
M5	6/29/2001	3868.26	8.71	3859.55	Olympus
M5	12/6/2001	3868.26	nm	nm	Olympus
M6	9/13/1988	3866.84	--	3858.50	MDH
M6	12/12/1988	3866.84	--	3859.70	MDH
M6	5/5/1989	3866.84	--	3860.40	MDH
M6	6/20/1994	3866.84	8.23	3858.61	Huntingdon
M6	4/24/2001	3866.84	7.22	3859.62	Olympus
M6	6/29/2001	3866.84	8.54	3858.30	Olympus
M6	12/6/2001	3866.84	7.51	3859.33	Olympus
M6	7/21/2005	3866.84	10.96	3855.88	MDT
M6	5/18/2006	3866.84	7.80	3859.04	MDT
M7	9/13/1988	3863.53	--	3857.20	MDH
M7	12/12/1988	3863.53	--	3858.00	MDH
M7	5/5/1989	3863.53	--	3858.60	MDH
M7	6/20/1994	3863.53	5.75	3857.78	Huntingdon
M7	4/24/2001	3863.53	5.37	3858.16	Olympus
M7	6/29/2001	3863.53	6.29	3857.24	Olympus
M7	12/6/2001	3863.53	nm	nm	Olympus
M7	7/21/2005	3863.53	7.63	3855.90	MDT
M7	5/18/2006	3863.53	5.65	3857.88	MDT
M8	9/13/1988	3860.92	--	3855.50	MDH
M8	12/12/1988	3860.92	--	3856.80	MDH
M8	6/20/1994	3860.92	4.14	3856.78	Huntingdon
M8	4/24/2001	3860.92	4.28	3856.64	Olympus
M8	6/29/2001	3860.92	5.34	3855.58	Olympus
M8	12/6/2001	3860.92	nm	nm	Olympus
M9	5/5/1989	3859.51	--	3851.60	MDH
M9	6/20/1994	3859.51	6.70	3852.81	Huntingdon
M9	4/24/2001	3859.51	well damaged	nm	Olympus
M9	6/29/2001	3859.51	well damaged	nm	Olympus
M9	12/6/2001	3859.51	nm	nm	Olympus
M9	9/11/2007		Well abandoned by MDT		

**Table 1. Static Water Levels (Feet Above Mean Sea Level), continued**

Well ID	Date Sampled	Top of Casing Elevation AMSL	Depth to Static Water (Feet bgs)	Static Water Level Elevation	Sampling Organization
M10	12/12/1988	3865.96	--	3856.80	MDH
M10	5/5/1989	3865.96	--	3857.60	MDH
M10	6/20/1994	3865.96	7.99	3857.97	Huntingdon
M10	4/24/2001	3865.96	8.00	3857.96	Olympus
M10	6/29/2001	3865.96	9.28	3856.68	Olympus
M10	12/6/2001	3865.96	nm	nm	Olympus
M10	7/20/2005	3865.96	8.82	3857.14	MDT
M10	5/16/2006	3865.96	8.11	3857.85	MDT
M10	9/11/2007	3865.96	8.02	3857.94	MDT
M11	1/4/1995	3869.62	5.76	3863.86	MDT
M11	4/24/2001	3869.62	6.02	3863.60	Olympus
M11	6/29/2001	3869.62	nm	nm	Olympus
M11	12/6/2001	3869.62	5.84	3863.78	Olympus
M11	7/20/2005	3869.62	5.93	3863.69	MDT
M11	5/16/2006	3869.62	5.21	3864.41	MDT
M11	9/11/2007	3869.62	5.80	3863.82	MDT
M12	1/4/1995	3862.48	3.87	3858.61	MDT
M12	4/24/2001	3862.48	4.84	3857.64	Olympus
M12	6/29/2001	3862.48	5.93	3856.55	Olympus
M12	12/6/2001	3862.48	nm	nm	Olympus
M12	Well could not be located in 2006 and is considered destroyed				
M13	1/4/1995	3862.32	3.97	3865.65	MDT
M13	Well could not be located in 2006 and is considered destroyed				
Obswell	7/29/1988			3853.90	MDH
Obswell	8/11/1988			3853.56	MDH
Obswell	12/12/1988			3853.10	MDH
Obswell	5/5/1989			3854.70	MDH
M14	6/29/2001	3858.67	7.58	3851.09	Olympus
M14	12/6/2001	3858.67	7.50	3851.17	Olympus
M14	7/20/2005	3858.67	6.23	3852.44	MDT
M14	5/18/2006	3858.67	6.03	3852.64	MDT
M14	9/11/2007	3858.67	3.56	3855.11	MDT
M15	6/29/2001	3865.17	8.15	3857.02	Olympus
M15	12/6/2001	3865.17	7.97	3857.20	Olympus
M15	7/5/2005	3865.17	6.30	3858.87	MDT
M15	5/15/2006	3865.17	6.83	3858.34	MDT
M15	9/11/2007	3865.17	6.97	3858.20	MDT
M16	6/29/2001	3861.01	6.70	3854.31	Olympus
M16	12/6/2001	3861.01	6.29	3854.72	Olympus
M16	7/5/2005	3861.01	4.52	3856.49	MDT
M16	5/16/2006	3861.01	5.70	3855.31	MDT
M16	9/11/2007	3861.01	4.62	3856.39	MDT

**Table 1. Static Water Levels (Feet Above Mean Sea Level), continued**

Well ID	Date Sampled	Top of Casing Elevation AMSL	Depth to Static Water (Feet bgs)	Static Water Level Elevation	Sampling Organization
M17	6/29/2001	3862.06	5.66	3856.40	Olympus
M17	12/6/2001	3862.06	4.97	3857.09	Olympus
M17	7/5/2005	3862.06	4.58	3857.48	MDT
M17	5/16/2006	3862.06	4.92	3857.14	MDT
M17	9/11/2007	3862.06	4.56	3857.50	MDT
M19	6/29/2001	3861.13	7.47	3853.66	Olympus
M19	12/6/2001	3861.13	7.50	3853.63	Olympus
M19	7/20/2005	3861.13	6.63	3854.50	MDT
M19	5/16/2006	3861.13	6.42	3854.71	MDT
M19	9/11/2007	3861.13	4.94	3856.19	MDT
M20	9/11/2007	3862.89	4.40	3858.49	MDT
Drain Line	6/29/2002	3858.76	7.86	3853.27	Olympus
Drain Line	12/10/2001		6.62	3854.51	Olympus

Elevations based on the benchmark located at the intersection of Custer and Henderson; 3861.59 ft AMSL

\*from ground elevation

\*\*+1.3 to ground level

nm - not measured

**Table 2. UST History Summary**

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Tank ID Number	Status	Installed	Substance	Capacity (Gallons)	Date Closed	Closure Status
Tank 1	Permanently out of use	Unknown	Gasoline	1060	12/30/1987	Removed from ground
Tank 2	Permanently out of use	4/24/1966	Unknown	4000	1/1/1988	Removed from ground
Tank 3	Permanently out of use	4/24/1996	Waste Oil	Estimated >10,000	1/1/1988	Removed from ground
Tank 4	Permanently out of use	4/25/1979	Diesel	4000	12/10/1996	Removed from ground
Tank 5	Permanently out of use	4/25/1979	Gasoline	10000	12/10/1996	Removed from ground
Tank 6	Permanently out of use	4/25/1979	Gasoline	2000	12/11/1997	Removed from ground

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**Table 3. Metals and Semi-Volatile Analytical Results for Used Motor Oil Stored in Buried Rail Car (ppm)**

Sample ID	Sample Date	Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
<b>Results of oil sample collected from rail car; total recoverable metals analyses</b>														
TC-1	11/2/1988	<20	<10	<2	2	4	70	1280	<0.15	<10	<20	<2	<20	680

**Results of oil sample (TC-1) collected from rail car (11/2/88);  
semi-volatile analyses per EPA method 625**

Analyte	Concentration (ppm)
<b>Acid Extractables</b>	
4-Chloro-3-methylphenol	<50
2-Chlorophenol	<50
2,4-Dichlorophenol	<50
2,4-Dimethylphenol	<50
2,4-Dinitrophenol	<250
2-Methyl-4,6-dinitrophenol	<250
2-Nitrophenol	<50
4-Nitrophenol	<250
Pentachlorophenol	<250
Phenol	<50
2,4,6-Trichlorophenol	<50
<b>Base Neutral Extractables</b>	
Acenaphthene	<50
Acenaphthylene	<50
Anthracene	<50
Benzidene	<250
Benzo(a)anthracene	<50
Benzo(a)pyrene	<50
Benzo(b)fluoranthene	<50
Benzo(k)fluoranthene	<50
Benzo(ghi)perylene	<50
Bis(2-chloroethoxy)methane	<50
Bis(2-chloroethyl)ether	<50
Bis(2-chloroisopropyl)ether	<50
Bis(2-ethylhexyl)phthalate	85
4-Bromophenyl phenyl ether	<50
Butyl benzyl phthalate	<50
2-Chloronaphthalene	<50
4-Chlorophenyl phenyl ether	<50
Chrysene	<50
Dibenzo(a,h)anthracene	<50
1,2-Dichlorobenzene	<50
1,3-Dichlorobenzene	<50
1,4-Dichlorobenzene	<50
3,3'Dichlorobenzidene	<100
Diethyl Phthalate	<50
Dimethyl Phthalate	<100
Di-n-butylphthalate	<50
2,4-Dinitrotoluene	<50
2,6-Dinitrotoluene	<50
Di-n-octyl phthalate	<50
Fluoranthene	<50
Fluorene	<50
Hexachlorobenzene	<50
Hexachlorobutadiene	<50
Hexachloroethane	<50
Hexachlorocyclopentadiene	<80
Indeno(1,2,3-cd)pyrene	<50
Isophorone	<50
Naphthalene	76
Nitrobenzene	<50
N-Nitrosodi-n-methylamine	<25
N-Nitrosodi-n-phenylamine	<50
N-Nitrosodi-n-propylamine	<50
Phenanthrene	<50
Pyrene	<50
1,2,4-Trichlorobenzene	<50

Notes: < indicates analyte not detected at noted concentration

**Table 4. Soil E.P. Toxicity Characteristic Analyses for Inorganic Compounds (mg/L)**

Sample ID	Sample Depth (feet bgs)	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
<b>RCRA Hazardous Waste Levels</b>			<b>5</b>	<b>100</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>0.2</b>	<b>1</b>	<b>5</b>
Ground Water Samples - EP Toxicity Analyses										
MW1		11/2/1988	<0.5	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
MW2		11/3/1988	<0.5	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
MW2 Dup.		11/3/1988	<0.5	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
MW4		11/3/1988	<0.5	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
MW8		11/3/1988	<0.5	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
Drainfield		11/3/1988	<0.5	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
Soil Samples collected from test pits - EP Toxicity Analyses										
Test Pit 6B*	0.5-3	11/2/1988	<0.50	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
Test Pit 9B*	2.5-4.5	11/2/1988	<0.50	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
Test Pit 11B*	0.5-3	11/2/1988	<0.50	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
Test Pit 13B*	0-3	11/2/1988	<0.50	<10	<0.1	<0.5	<0.5	<0.02	<0.1	<0.5
Surface soil samples collected in vicinity of above-ground used oil tank and road oil tank; TCLP analyses per 40 CFR Part 261, June 13, 1986										
HSL-1		10/22/1992	--	--	--	0.05	0.13	--	--	--
HSL-2		10/22/1992	--	--	--	0.08	<0.02	--	--	--
HSL-3		10/22/1992	--	--	--	0.09	0.10	--	--	--
HSL-4		10/22/1992	--	--	--	0.05	0.53	--	--	--
HSL-5		10/22/1992	--	--	--	0.01	0.06	--	--	--

Notes \* Test pits which were excavated later immediately adjacent to their namesake pits (source: GeoResearch, Inc. 1/92)

-- indicates not analyzed

< indicates analyte not detected at noted concentration

RCRA Hazardous Waste Levels from 40 CFR Part 261.20

**Table 5. Subsurface Soil Analytical Results for Volatile Organic Compounds (mg/kg)**

Sample ID	Test Pit 6B*	Test Pit 9B*	Test Pit 11B*	Test Pit 13B*	MW-12	MW-13			
Sample Depth	0.5-3	2.5-4.5	0.5-3	0-3	10-11.5	5-6.5			
Sample Date	11/2/1988	11/2/1988	11/2/1988	11/2/1988	12/21/1994	12/21/1994	RSL	SSL	RBSL
Benzene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	1.1	0.028	0.04
Bromobenzene	--	--	--	--	<0.001	<0.001	NA	0.15	NA
Bromochloromethane	--	--	--	--	<0.001	<0.001	NA	NA	NA
Bromodichloromethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	10	3.30E-04	NA
Bromoform	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	61	0.023	NA
Bromomethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	7.9	0.022	NA
n-Butylbenzene	--	--	--	--	<0.001	<0.001	NA	NA	NA
sec-Butylbenzene	--	--	--	--	<0.001	<0.001	NA	NA	NA
tert-Butylbenzene	--	--	--	--	<0.001	<0.001	NA	NA	NA
Carbon Disulfide	--	--	--	--	--	--	670	2.7	NA
Carbon Tetrachloride	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	0.25	0.02	NA
Chlorobenzene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	310	0.75	NA
Chloroethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	NA	NA	NA
2-chloroethyl-vinylether	<0.50	<1.0	<0.50	<0.50	--	--	NA	NA	NA
Chloroform	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	0.3	5.50E-04	NA
Chloromethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	1.7	0.49	NA
2-Chlorotoluene	--	--	--	--	<0.001	<0.001	NA	8	NA
4-Chlorotoluene	--	--	--	--	<0.001	<0.001	NA	28	NA
1,2-Dichloroethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	0.45	0.015	NA
cis-1,2-Dichloroethene	--	--	--	--	<0.001	<0.001	780	0.21	NA
1,2-Dichloropropane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	0.93	0.017	NA
cis-1,3-Dichloropropene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	1.7	NA	NA
Dibromochloromethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	5.8	4.00E-04	NA
1,2-Dibromo-3-Chloropropane	--	--	--	--	<0.001	<0.001	5600	9.20E-04	NA
Dibromomethane	--	--	--	--	<0.001	<0.001	780	0.91	NA
1,2-Dibromoethane	--	--	--	--	<0.001	<0.001	0.034	1.50E-04	NA
Dichlorodifluoromethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	190	6.1	NA
1,2-Dichlorobenzene	<0.50	<1.0	<0.50	<0.50	0.009	<0.001	2000	6.6	NA
1,3-Dichlorobenzene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	NA	NA	NA
1,4-Dichlorobenzene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	2.6	0.81	NA
1,1-Dichloroethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	3.4	0.007	NA
1,1-Dichloroethene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	250	0.026	NA
trans-1,2-Dichloroethene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	110	0.32	NA
1,3-Dichloropropane	--	--	--	--	<0.001	<0.001	1600	2.7	NA
2,2-Dichloropropane	--	--	--	--	<0.001	<0.001	NA	NA	NA
1,1-Dichloropropene	--	--	--	--	<0.001	<0.001	NA	NA	NA
trans-1,3-dichloropropene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	NA	NA	NA
Ethylbenzene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	5.7	8.9	10
Hexachlorobutadiene	--	--	--	--	<0.001	<0.001	6.2	0.019	NA
Isopropylbenzene	--	--	--	--	<0.001	<0.001	NA	NA	NA
p-Isopropyltoluene	--	--	--	--	<0.001	<0.001	NA	NA	NA
Methylene Chloride	<0.50	<1.0	<0.50	<0.50	0.007**	0.007**	11	0.013	NA
Naphthalene	--	--	--	--	<0.001	<0.001	3.9	5.50E-03	9
n-Propylbenzene	--	--	--	--	<0.001	<0.001	NA	NA	NA
Styrene	--	--	--	--	<0.001	<0.001	6500	1.2	NA
1,1,2,2-Tetrachloroethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	0.59	2.80E-04	NA
Tetrachloroethene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	0.57	0.024	NA
Toluene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	5000	7.6	10
1,2,3-Trichlorobenzene	--	--	--	--	<0.001	<0.001	NA	NA	NA
1,2,4-Trichlorobenzene	--	--	--	--	<0.001	<0.001	180	1.1	NA
1,1,1-Trichloroethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	9000	0.72	NA
1,1,2-Trichloroethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	1.1	0.017	NA
Trichloroethene	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	2.8	0.019	NA
Trichlorofluoromethane	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	800	8.4	NA
1,2,3-Trichloropropane	--	--	--	--	<0.001	<0.001	0.091	4.40E-05	NA
1,2,4-Trimethylbenzene	--	--	--	--	<0.001	0.004	67	0.24	NA
1,3,5-Trimethylbenzene	--	--	--	--	<0.001	0.005	47	0.2	NA
Vinyl Chloride	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	0.06	0.007	NA
Xylenes	<0.50	<1.0	<0.50	<0.50	<0.001	<0.001	600	110	200

Note: RSL indicates Regional Screening Level for residential soil (EPA, 2009)

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009) adjusted to meet HHS, DAF 10, and 10-5 risk level for carcinogens

RBSL indicates Tier I Subsurface Soil (>2 feet) risk-based screening levels for ground water less than 10 feet bgs (DEQ, 2009)

\* Test pits which were excavated later immediately adjacent to their namesake pits (source: GeoResearch, Inc. 1/92)

\*\* Methylene chloride detected in the method blank at 0.002 ppm, result qualified as non-detect

-- indicates not analyzed NA indicates not available

< indicates analyte not detected at noted concentration

**Table 6. Subsurface Soil Analytical Results for Semi-Volatile Organic Compounds (mg/kg)**

Sample ID	Test Pit 6B*	Test Pit 9B*	Test Pit 11B*	Test Pit 13B*	MW-12	MW-13				
Sample Depth (ft bgs)	0.5-3	2.5-4.5	0.5-3	0-3	10-11.5	5-6.5				RBSL
Sample Date	11/2/88	11/2/88	11/2/88	11/2/88	12/21/1994	12/21/1994	RSL	SSL	RBSL	Leaching
<b>Acid Extractables</b>										
4-Chloroaniline	--	--	--	--	<0.66	<0.66	NA	1.20E-03	NA	NA
4-Chloro-3-methylphenol	<1.0	<1.0	<1.0	<1.0	<0.66	<0.66	NA	NA	NA	NA
2-Chlorophenol	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	390	2	NA	NA
2,4-Dichlorophenol	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	180	1.8	NA	NA
2,4-Dimethylphenol	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	1200	12	NA	NA
2,4-Dinitrophenol	<2.0	<2.0	<2.0	<2.0	<1.7	<1.7	120	0.68	NA	NA
2-Methyl-4,6-dinitrophenol	<2.0	<2.0	<2.0	<2.0	<1.7	<1.7	NA	NA	NA	NA
2-Methylphenol o-cresol	--	--	--	--	<0.33	<0.33	NA	NA	NA	NA
4-Methylphenol p-cresol	--	--	--	--	<0.33	<0.33	NA	NA	NA	NA
2-Nitrophenol	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
4-Nitrophenol	<2.0	<2.0	<2.0	<2.0	<1.7	<1.7	NA	NA	NA	NA
Pentachlorophenol	<2.0	<2.0	<2.0	<2.0	<1.7	<1.7	3	0.07	NA	NA
Phenol	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	18000	81	NA	NA
2,4,5-Trichlorophenol	--	--	--	--	<0.33	<0.33	6100	94	NA	NA
2,4,6-Trichlorophenol	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	44	0.16	NA	NA
<b>Base Neutral Extractables</b>										
Acenaphthene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	3400	270	200	249
Acenaphthylene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
Anthracene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	17000	4.50E+03	4000	3740
Benzo(a)anthracene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	0.15	0.14	10	13.6
Benzo(a)pyrene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	0.015	3.1	4	3.67
Benzo(b)fluoranthene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	0.15	0.47	50	46.6
Benzo(ghi)perylene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
Benzo(k)fluoranthene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	1.5	4.6	500	466
Benzoic acid	--	--	--	--	<1.7	<1.7	240000	330	NA	NA
Benzyl alcohol	--	--	--	--	<0.66	<0.66	31000	42	NA	NA
Bis(2-chloroethoxy)methane	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	180	0.23	NA	NA
Bis(2-chloroethyl)ether	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	0.19	2.70E-05	NA	NA
Bis(2-chloroisopropyl)ether	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	35	20	NA	NA
4-Bromophenyl phenyl ether	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
Butyl benzyl phthalate	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	12000	6.7	NA	NA
Carbazole	--	--	--	--	<0.33	<0.33	NA	NA	NA	NA
2-Chloronaphthalene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	630	180	NA	NA
4-Chlorophenyl phenyl ether	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
Chrysene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	14	2000	1510
Dibenzo(a,h)anthracene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	150	0.15	5	6.78
Dibenzofuran	--	--	--	--	<0.33	<0.33	NA	NA	NA	NA
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	2000	6.6	NA	NA
1,3-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	2.6	0.81	NA	NA
3,3'-Dichlorobenzidene	<1.0	<1.0	<1.0	<1.0	<0.66	<0.66	1.1	0.023	NA	NA

**Table 6. Subsurface Soil Analytical Results for Semi-Volatile Organic Compounds (mg/kg), continued**

Sample ID	Test Pit 6B*	Test Pit 9B*	Test Pit 11B*	Test Pit 13B*	MW-12	MW-13				
Sample Depth (ft bgs)	0.5-3	2.5-4.5	0.5-3	0-3	10-11.5	5-6.5				RBSL
Sample Date	11/2/88	11/2/88	11/2/88	11/2/88	12/21/1994	12/21/1994	RSL	SSL	RBSL	Leaching
Diethyl Phthalate	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	49000	130	NA	NA
Dimethyl Phthalate	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
Di-n-butylphthalate	<0.5	<0.5	<0.5	<0.5	0.43**	0.62**	NA	NA	NA	NA
2,4-Dinitrotoluene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	120	0.002	NA	NA
2,6-Dinitrotoluene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	61	0.34	NA	NA
Di-n-octyl phthalate	<0.5	<0.5	<0.5	<0.5	<0.33	0.99	NA	NA	NA	NA
Fluoranthene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	2300	2100	500	484
Fluorene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	2300	330	600	643
Hexachlorocyclopentadiene	--	--	--	--	<0.33	<0.33	370	1.8	NA	NA
Hexachlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	0.3	0.07	NA	NA
Hexachlorobutadiene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	6.2	0.019	NA	NA
Hexachloroethane	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	35	0.032	NA	NA
Indeno(1,2,3-cd)pyrene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	0.15	1.6	50	132
Isophorone	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	510	0.22	NA	NA
2-Methylnaphthalene	--	--	--	--	<0.33	<0.33	310	9	NA	NA
Naphthalene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	3.9	5.50E-03	9	9.32
2-Nitroaniline	--	--	--	--	<1.7	<1.7	NA	0.33	NA	NA
3-Nitroaniline	--	--	--	--	<1.7	<1.7	18	NA	NA	NA
4-Nitroaniline	--	--	--	--	<0.66	<0.66	23	0.01	NA	NA
Nitrobenzene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	31	7.10E-04	NA	NA
N-Nitrosodimethylamine	--	--	--	--	<0.66	<0.66	0.0023	1.20E-06	NA	NA
N-Nitrosodi-n-propylamine	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	0.069	1.10E-04	NA	NA
N-Nitrosodiphenylamine	--	--	--	--	<0.33	<0.33	99	1.7	NA	NA
Phenanthrene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	NA	NA	NA	NA
Pyrene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	1700	1500	2000	4280
Pyridine	--	--	--	--	<0.33	<0.33	78	0.097	NA	NA
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.33	<0.33	180	1.1	NA	NA
Petroleum Hydrocarbons as Diesel	--	--	--	--	170	210	5000	NA	NA	NA

Note: RSL indicates Regional Screening Level for residential soil (EPA, 2009)

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009) adjusted to meet HHS, DAF 10, and 10-5 risk level for carcinogens

RBSL indicates Tier I Surface Soil (<2 feet) risk-based screening levels for ground water less than 10 feet bgs and residential exposure scenario (DEQ, 2009)

\* Test pits which were excavated later immediately adjacent to their namesake pits (source: GeoResearch, Inc. 1/92)

\*\* Di-n-butylphthalate detected in the method blank at 0.43 ppm, result qualified as non-detect

-- indicates not analyzed, NA indicates not available

< indicates analyte not detected at noted concentration

**Table 7. Subsurface Soil Analytical Results for Pesticides (mg/kg)**

Sample ID	Depth (ft bgs)	Date	Lindane	Endrin	Methoxychlor	Toxaphene	2,4-D	Silvex
<b>RSL</b>			<b>0.52</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>SSL</b>			<b>NA</b>	<b>0.43</b>	<b>34</b>	<b>6</b>	<b>NA</b>	<b>NA</b>
Test Pit 6B*	0.5-3	11/2/88	<0.001	<0.002	<0.10	<0.02	<1.0	<1.0
Test Pit 9B*	2.5-4.5	11/2/88	<0.001	<0.002	<0.10	<0.02	<1.0	<1.0
Test Pit 11B*	0.5-3	11/2/88	<0.001	<0.002	<0.10	<0.02	<1.0	<1.0
Test Pit 13B*	0-3	11/2/88	<0.001	<0.002	<0.10	<0.02	<1.0	<1.0

Note: RSL indicates Regional Screening Levels for residential soil (EPA, 2009)

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009) adjusted to meet HHS, DAF 10, and 10-5 risk level for carcinogens

\* Test pits which were excavated later immediately adjacent to their namesake pits (source: GeoResearch, Inc., 1992)

NA indicates not available

< indicates analyte not detected at noted concentration

**Table 8. Groundwater Analytical Results**

Sample ID	Sample Date	Results in µg/l											Results in mg/l					
		EPH Screen	Petroleum Hydrocarbons as Diesel	Diesel Range Organics (DRO)	DRO as Diesel	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene (SVOC)	Naphthalene (VOC)	Arsenic (Total)	Arsenic (Dissolved)	Selenium (Total)	Selenium (Dissolved)	Cadmium (Total)	Cadmium (Dissolved)
HHS		NA	NA	NA	NA	0.5	0.05	0.5	0.05	0.5	100	100	0.01	0.01	0.05	0.05	0.005	0.005
RBSL		1000*	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA
MCL		NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	0.01	0.01	0.05	0.05	0.005	0.005
1420/A Pit #1	4/20/88	--	--	--	--	<40	<40	<40	<40	<40	<40	--	0.092	--	--	--	0.006	--
1015/A Pit #4	4/20/88	--	--	--	--	<40	<40	<40	<40	<40	17 J	--	0.417	--	--	--	0.05	--
1015/A Pit #4 (Dup)	4/20/88	--	--	--	--	<40	<40	<40	<40	<40	22 J	--	--	--	--	--	--	--
MW-1	11/2/88	--	--	--	--	<10	<10	<10	<10	<10	<10	<1.0	--	--	--	--	--	--
MW-1	7/21/89	--	--	--	--	--	--	--	--	--	--	<1.0	--	0.006	--	--	--	--
MW-1	6/23/94	--	<500	<200	<200	<10	<10	<10	<10	<10	<10	<1	--	<0.005	--	<0.005	--	<0.005
MW-1	7/20/05	--	--	--	--	--	--	--	--	--	--	--	--	0.007	--	<0.005	--	<0.001
MW-1	5/16/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	<0.005	--	--	--	--
MW-2	6/23/88	--	--	--	--	--	--	--	--	--	--	--	0.005	--	<0.002	--	<0.001	--
MW-2	11/3/88	--	--	--	--	<10	<10	<10	<10	<10	<10	<1.0	--	--	--	--	--	--
MW-2 (Dup)	11/3/88	--	--	--	--	<10	<10	<10	<10	<10	<10	<1.0	--	--	--	--	--	--
MW-2	5/5/89	--	--	--	--	<10	<10	<10	<10	<10	<10	<0.50	0.045	--	<0.005	--	<0.001	--
MW-2	7/21/89	--	--	--	--	--	--	--	--	--	--	<1.0	--	0.009	--	--	--	--
MW-2	6/23/94	--	<500	<200	<200	<10	<10	<10	<10	<10	<10	<1	--	<0.005	--	<0.005	--	<0.005
MW-2	7/20/05	--	--	--	--	--	--	--	--	--	--	--	--	0.006	--	<0.005	--	<0.001
MW-2	5/18/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	0.007	--	--	--	--
MW-3	6/23/88	--	--	--	--	--	--	--	--	--	--	--	0.007	--	<0.002	--	--	--
MW-3	7/21/89	--	--	--	--	--	--	--	--	--	--	<1.0	--	0.008	--	--	--	--
MW-3	6/23/94	--	<500	<200	<200	<10	<10	<10	<10	<10	<10	<1	--	0.006	--	<0.005	<0.001	<0.005

Table 8. Groundwater Analytical Results, continued

Sample ID	Sample Date	Results in µg/l											Results in mg/l					
		EPH Screen	Petroleum Hydrocarbons as Diesel	Diesel Range Organics (DRO)	DRO as Diesel	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)-pyrene	Naphthalene (SVOC)	Naphthalene (VOC)	Arsenic (Total)	Arsenic (Dissolved)	Selenium (Total)	Selenium (Dissolved)	Cadmium (Total)	Cadmium (Dissolved)
HHS		NA	NA	NA	NA	0.5	0.05	0.5	0.05	0.5	100	100	0.01	0.01	0.05	0.05	0.005	0.005
RBSL		1000*	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA
MCL		NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	0.01	0.01	0.05	0.05	0.005	0.005
MW-4	11/3/88	--	--	--	--	<10	<10	<10	<10	<10	<10	<1.0	--	--	--	--	--	--
MW-4	5/5/89	--	--	--	--	<10	<10	<10	<10	<10	<10	<0.50	0.015	--	<0.005	--	<0.001	--
MW-4	7/21/89	--	--	--	--	--	--	--	--	--	--	<1.0	--	0.01	--	--	--	--
MW-4	6/23/94	--	<500	<200	<200	<10	<10	<10	<10	<10	<10	3	--	0.009	--	<0.005	--	<0.005
MW-4	6/29/01	<320	--	--	--	--	--	--	--	--	--	--	0.799	0.009	NA	--	--	--
MW-4	12/7/01	<320	--	--	--	--	--	--	--	--	--	--	0.009	0.01	NA	--	--	--
MW-5	6/23/94	--	3000	3000	<200	<10	<10	<10	<10	<10	<10	<1	--	<0.005	--	<0.005	<0.005	<0.005
MW-6	6/23/94	--	<500	<200	<200	<10	<10	<10	<10	<10	<10	<1	--	<0.005	--	<0.005	<0.005	<0.005
MW-6	6/29/01	<310	--	--	--	--	--	--	--	--	--	<1.0	0.249	<0.005	--	--	--	--
MW-6 (Dup)	6/29/01	<320	--	--	--	--	--	--	--	--	--	<1.0	0.386	0.005	--	--	--	--
MW-6	12/6/01	<320	--	--	--	--	--	--	--	--	--	<1.0	0.009	0.007	--	--	--	--
MW-6 (Dup)	12/6/01	<320	--	--	--	--	--	--	--	--	--	<1.0	0.009	0.008	--	--	--	--
MW-6	7/21/05	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	<0.005	<0.005
MW-6	5/18/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	0.005	--	--	--	--
MW-7	6/23/94	--	<500	<200	<200	<10	<10	<10	<10	<10	<10	<1	--	<0.005	--	<0.005	<0.005	<0.005
MW-7	7/21/05	--	--	--	--	--	--	--	--	--	--	--	--	0.007	--	<0.005	<0.005	<0.001
MW-7	5/18/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	0.007	--	--	--	--
MW-8	11/3/88	--	--	--	--	<10	<10	<10	<10	<10	<10	<1.0	--	--	--	--	--	--
MW-8	6/23/94	--	1000	1000	<200	<10	<10	<10	<10	<10	<10	<1	--	<0.005	--	<0.005	<0.005	<0.005
MW-9	7/24/89	--	--	--	--	--	--	--	--	--	--	<1.0	--	0.029	--	--	--	--
MW-9	6/23/94	--	<500	<200	<200	<10	<10	<10	<10	<10	<10	<1	--	0.024	--	<0.005	<0.005	<0.005

**Table 8. Groundwater Analytical Results, continued**

Sample ID	Sample Date	Results in µg/l											Results in mg/l					
		EPH Screen	Petroleum Hydrocarbons as Diesel	Diesel Range Organics (DRO)	DRO as Diesel	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene (SVOC)	Naphthalene (VOC)	Arsenic (Total)	Arsenic (Dissolved)	Selenium (Total)	Selenium (Dissolved)	Cadmium (Total)	Cadmium (Dissolved)
HHS		NA	NA	NA	NA	0.5	0.05	0.5	0.05	0.5	100	100	0.01	0.01	0.05	0.05	0.005	0.005
RBSL		1000*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MCL		NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	0.01	0.01	0.05	0.05	0.005	0.005
MW-10	6/23/94	--	2000	500	<200	<10	<10	<10	<10	<10	<10	<1	--	<0.005	--	<0.005	<0.005	<0.005
MW-10	7/20/05	--	--	--	--	--	--	--	--	--	--	--	--	0.008	--	<0.005	<0.005	<0.001
MW-10	5/16/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	<0.005	--	--	--	--
MW-11	1/4/95	--	<500	<300	<300	<10	<10	<10	<10	<10	<10	<1.0	--	0.006	--	<0.002	<0.002	<0.005
MW-11	6/29/01	<310	--	--	--	--	--	--	--	--	--	<1.0	0.552	0.008	--	--	--	--
MW-11	12/10/01	<330	--	--	--	--	--	--	--	--	--	<1.0	0.014	0.01	--	--	--	--
MW-11	7/20/05	--	--	--	--	--	--	--	--	--	--	--	--	0.011	--	<0.005	<0.005	<0.001
MW-11	5/16/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	0.009	--	--	--	--
MW-12	1/4/95	--	1000	500	500	<10	<10	<10	<10	<10	<10	<1.0	--	0.003	--	<0.002	<0.002	<0.005
MW-14	6/29/01	<310	--	--	--	--	--	--	--	--	--	--	1.17	0.015	--	--	--	--
MW-14	12/10/01	<330	--	--	--	--	--	--	--	--	--	--	0.107	0.023	--	--	--	--
MW-14	7/20/05	--	--	--	--	--	--	--	--	--	--	--	--	0.027	--	<0.005	<0.005	<0.001
MW-14	5/18/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	0.021	--	--	--	--
MW-14	4/11/07	--	--	--	--	<10	<10	<10	<10	<10	<10	--	--	0.026	--	--	--	--
MW-15	12/7/01	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--
MW-15	7/5/05	--	--	--	--	--	--	--	--	--	--	--	--	0.026	--	<0.005	<0.005	<0.001
MW-15	5/15/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	0.019	--	--	--	--
MW-15	4/11/07	--	--	--	--	<10	<10	<10	<10	<10	<10	--	--	0.03	--	--	--	--
MW-16	6/29/01	<310	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	12/7/01	<320	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	7/5/05	--	--	--	--	--	--	--	--	--	--	--	--	0.005	--	<0.005	<0.005	<0.001
MW-16	5/16/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	<0.005	--	--	--	--

**Table 8. Groundwater Analytical Results, continued**

Sample ID	Sample Date	Results in µg/l											Results in mg/l					
		EPH Screen	Petroleum Hydrocarbons as Diesel	Diesel Range Organics (DRO)	DRO as Diesel	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)-pyrene	Naphthalene (SVOC)	Naphthalene (VOC)	Arsenic (Total)	Arsenic (Dissolved)	Selenium (Total)	Selenium (Dissolved)	Cadmium (Total)	Cadmium (Dissolved)
HHS		NA	NA	NA	NA	0.5	0.05	0.5	0.05	0.5	100	100	0.01	0.01	0.05	0.05	0.005	0.005
RBSL		1000*	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA
MCL		NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	0.01	0.01	0.05	0.05	0.005	0.005
MW-16	4/11/07	--	--	--	--	<10	<10	<10	<10	<10	<10	--	--	<0.005	--	--	--	--
MW-17	6/29/01	<310	--	--	--	--	--	--	--	--	--	<1.0	0.374	<0.005	--	--	--	--
MW-17	12/10/01	<330	--	--	--	--	--	--	--	--	--	<1.0	0.056	0.007	--	--	--	--
MW-17	7/5/05	--	--	--	--	--	--	--	--	--	--	--	--	0.008	--	<0.005	<0.005	0.002
MW-17	5/16/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	<0.005	--	--	--	--
MW-17	4/11/07	--	--	--	--	--	--	--	--	--	--	--	--	0.008	--	--	--	--
MW-17	9/11/07	--	--	--	--	--	--	--	--	--	--	--	--	0.008	--	<0.005	<0.005	<0.001
MW-19	6/29/01	390	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--
MW-19	12/7/01	<320	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--
MW-19	7/20/05	--	--	--	--	--	--	--	--	--	--	--	--	0.033	--	<0.005	<0.005	<0.001
MW-19	5/16/06	<320	--	--	--	--	--	--	--	--	--	<1.0	--	0.03	--	--	--	--
MW-19	4/11/07	--	--	--	--	<10	<10	<10	<10	<10	<10	--	--	0.021	--	--	--	--
MW-20	5/16/06	<300	--	--	--	--	--	--	--	--	--	<1.0	--	0.014	--	<0.005	<0.005	<0.001
MW-20	9/11/07	--	--	--	--	--	--	--	--	--	--	--	--	0.023	--	<0.005	<0.005	<0.001
MW-20	2/7/08	--	--	--	--	--	--	--	--	--	--	--	--	0.016	--	<0.005	<0.005	<0.001
MW-20	4/30/08	--	--	--	--	--	--	--	--	--	--	--	--	0.016	--	<0.005	<0.005	<0.001
Drainfield	11/3/88	--	--	--	--	<10	<10	<10	<10	<10	<10	--	--	--	--	--	--	--
Woolston Well	6/23/94	--	800	600	<200	<10	<10	<10	<10	<10	<10	<1	--	0.009	--	<0.005	<0.005	<0.005

**Table 8. Groundwater Analytical Results, continued**

Sample ID	Sample Date	EPH Screen	Petroleum Hydrocarbons as Diesel	Diesel Range Organics (DRO)	DRO as Diesel	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Naphthalene	Naphthalene (SVOC)	Arsenic (VOC)	Arsenic (Total)	Arsenic (Dissolved)	Selenium (Total)	Selenium (Dissolved)	Cadmium (Total)	Cadmium (Dissolved)
		Results in µg/l											Results in mg/l						
HHS		NA	NA	NA	NA	0.5	0.05	0.5	0.05	0.5	100	100	0.01	0.01	0.05	0.05	0.005	0.005	
RBSL		1000*	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA	NA	NA	NA	NA	NA
MCL		NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	0.01	0.01	0.05	0.05	0.005	0.005	
Tile Drain	7/21/89	--	--	--	--	--	--	--	--	--	--	--	--	0.008	--	--	--	--	--
Tile Drain	6/29/01	--	--	--	--	--	--	--	--	--	--	--	0.084	0.008	--	--	--	--	--
Tile Drain	12/10/01	--	--	--	--	--	--	--	--	--	--	--	0.012	0.009	--	--	--	--	--
Blank	12/6/01	<320	--	--	--	--	--	--	--	--	--	--	<0.005	<0.005	--	--	--	--	--

Notes: HHS indicates Human Health Standards from Montana Numeric Water Quality Standards, Circular 7 (DEQ, 2008)  
 RBSL indicates Risk Based Screening Level developed by DEQ for compounds without HHS  
 MCL indicates Maximum Contaminant Level for EPA National Primary Drinking Water Standards (EPA, 2003)  
 < indicates analyte not detected at noted concentration  
 NA indicates not available  
 -- indicates not analyzed  
 \* indicates DEQ ceiling concentration for the total of the gasoline (TPH) or diesel (EPH) range fractions  
 J indicates analyte detected below practical quantitation limits; concentration estimated.

**Table 9. Soil Gas Vapor Field Screening Results**

Results of organic vapor measurements made during soil probing;  
instruments included an OVA (flameionization detector) and HNU (photoionization  
detector)

Location	Date	Depth	HNU	OVA	Comments
A	7/29/88	1.0	0	12	"Probe coated with oil?"
		2.0	Trace	110	
B	7/29/88	1.5	15	Trace	
		3.0	0	0	
		4.5	0	0	
C	7/29/88	1.0	0	0	
		3.0	0	0	
		4.5	0	0	
D	7/29/88	1.0	0	0	
		3.0	0	0	
		4.5	0	0	
E	7/29/88	1.0	0	Trace	
		3.0	0	0	
		4.5	0	0	
F	7/29/88	1.0	0	0	
		2.0	0	0	
		5.0	0	0	
G	7/29/88	1.0	Trace	Trace	
		2.0	0	0	
		3.0	0	0	
H	7/29/88	1.0	0	0	
		2.0	0	0	
		2.8	4	18	
		3.5	0	0	
I	7/29/88	1.0	0	0	
		2.0	Trace?	0	
		3.0	Trace?	0	
1A	11/3/1988	0.5	0	0	
		1.0	0.1	0	
		1.5	0	0	
		2.5	0	0	
		3.0	0	0	
1B	11/3/1988	0.8	0	0	
		1.2	0	0	
		1.5	0	--	
		2.0	0	0	
		2.5	0	0	
		3.0	0	0	
1C	11/3/1988	0.5	0.1	0.4	
		1.3	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	0	

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during soil probing;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	Depth	HNU	OVA	Comments
1D	11/3/1988	0.6	0	0	
		1.2	0	0	
		1.8	0.7	0.4?	"OVA kept blowing out"
		2.5	0.1	0	
		3.0	0.2	0	
2A	7/24/1989	0.8	0	0	
		1.6	0	0	
		2.9	0	0	
		3.8	0	0	
2B	7/24/1989	0.6	0.3	0	
		1.1	1	1.5	"OVA blew out"
		1.7	1.4-2.8	0.8	"OVA blew out"
		2.2	0.8	0	
		3.0	0	0.4	
		3.6	0	0.5	
2C	7/25/1989	4.2	0	0	
		0.5	0	0.2	
		1.0	0	0.1	
		1.5	0	0.2-0.4	
		2.0	0	0-10	
		2.5	0	0	
		3.0	0	0	
		3.5	0	0.3	
2D	7/25/1989	4.0	0.2	0.3	
		4.5	0.7	35	"OVA blew out"
		0.5	0	0	
		1.0	0	0	
		1.5	0.2	0.9	"OVA blew out"
		2.0	0	0.4	"OVA blew out"
		2.5	0	0	
		3.0	0	0	
2E	7/25/1989	3.5	0	0	
		4.0	0	0.1	
		4.5	1.4	1	"OVA blew out"
		0.5	0	0.1	
		1.0	0	0	
		1.5	0.2	0.3	
		2.0	0.1	--	"OVA blew out"
		2.5	0	--	"OVA blew out"
		3.0	2.4	5-6	"OVA blew out"
3.5	0.6	0.1			
4.0	0-1.2	0.3			
4.5	0.3-1.3	0.4-1.4	"OVA blew out"		

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during soil probing;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	Depth	HNU	OVA	Comments
2F	7/26/1989	0.5	0	0.3	
		1.0	0	0	
		1.5	0.2-0.4	0.2-0.6	
		2.0	0.2-0.4	0.4	
		2.5	0.2-0.3	0.2-0.3	
		3.0	0.2-0.3	0.2-0.3	
		3.5	0.2-0.3	0.6-1.4	
		4.0	0.2-0.3	0.4	"OVA blew out"
		4.5	0.4-0.6	0.6-0.8	
2G	7/26/1989	0.5	0	0	
		1.0	0	0	
		1.5	5-7	6-14	"OVA blew out"
		2.0	1.4	0.4-0.6	"OVA blew out"
		2.5	0.6	0.6-1.0	"OVA blew out"
		3.0	0.4-0.6	0.8-1.0	"OVA blew out"
		3.5	0.4	0.2	"OVA blew out"
		4.0	0.6	0.4	"OVA blew out"
		4.5	0.6	0.4	"OVA blew out"
2H	7/26/1989	0.5	0	0.2	
		1.0	0	0	
		1.5	0	0.2	
		2.0	0	2-4	
		2.5	0	6	"OVA blew out"
		3.0	0	--	"OVA blew out"
		3.5	0	--	"OVA blew out"
		4.0	0	--	"OVA blew out"
		4.5	0	--	"OVA blew out"
2-1G	7/26/1989	0.5	0	0	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0-0.2	0.4-1.3	"OVA blew out"
		3.5	0	0.2-0.3	"OVA blew out"
		4.0	0.1	--	"OVA blew out"
		4.5	0.2-0.3	0.4	"OVA blew out"
2-1H	7/26/1989	0.5	0	0.2	
		1.0	0	0.1	
		1.5	0	0.5	
		2.0	0	0.1	
		2.5	0.3	0.5	
		3.0	0.2-0.4	0.6-1.2	
		3.5	0.4	0.1	"OVA blew out"
		4.0	0.5	1.6-1.8	"OVA blew out"
		4.5	0.6	0.4	"OVA blew out"

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during soil probing;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	Depth	HNU	OVA	Comments
3A	7/20/1989	0.5	0	4-6	
		1.0	0	0.4	
		1.5	0	1.4	
		2.0	4-6	840 max	
		2.5	10-16	840 max	
		3.0	3 max	80 max	
		3.5	10.6 max	400 max	
		4.0	20 max	>1000	
		4.5	15 max	35-65	
3B	7/21/1989	0.5	0	0	
		1.0	0	0	
		1.7	0	0	
		2.8	trace	trace	
		3.2	2-3	trace	
		3.6	0.4	0	
3C	7/25/1989	0.5	0	0.8	
		1.0	0	5-7	
		1.5	0	2-3	
		2.0	0.2	60-140	
		2.5	0	>1000	
		3.0	0	200-400	
		3.5	0	250-500	
		4.0	--	10-20	
3D	7/25/1989	0.5	0	0	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	0	
		3.5	0	0	
		4.0	0	0	
		4.5	0.3	0.6	
3E	7/25/1989	0.5	0	0.3	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0.2	0.2	
		3.5	0.2	0	
		4.0	0.8	50	"OVA blew out"
		4.5	0.5-1.0	100	"OVA blew out"

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during soil probing;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	Depth	HNU	OVA	Comments
3F	7/26/1989	0.5	0	trace(?)	
		1.0	0	0.4	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	0	
		3.5	0	0.2-0.4	
		4.0	0.2-0.4	0.2-1.0	
		4.5	0.7-3.0	10-28	
3G	7/26/1989	0.5	0	0	
		1.0	0	0.1	
		1.5	0	0	
		2.0	0	0.2	
		2.5	0.4	7	"OVA blew out"
		3.0	0.3	30	"OVA blew out"
		3.5	0-0.2	6-10	
		4.0	0.2	34-35	
3H	7/26/1989	4.5	0.2-0.5	24-30	
		0.5	0	0	
		1.0	0	0	
		1.5	0	0	
		2.0	0.4	1-3	
		2.5	0-0.2	7.2	
		3.0	0-0.1	2-4.2	
		3.5	0-0.1	2-6	
		4.0	0-0.1	40-46	
4B	7/26/1989	4.5	0-0.1	30-34	
		0.5	1.0	0.6-0.8	
		1.0	0-0.2	0.0	
		1.5	0.4	0.1	
		2.0	1.1	15	
		2.5	1 max	200 max	"OVA blew out"
		3.0	0.6	58 max	
		3.5	0.1	17	
		4.0	0.1	14	
4C	7/26/1989	4.5	0.1	4	
		0.5	0.4	10	
		1.0	0.2	0	
		1.5	0-0.2	0	
		2.0	0.6	0	
		2.5	0.5	22 max	
		3.0	0.8 max	>1000	
		3.5	0.2	700	
		4.0	0.3	940	
4.5	0.1-0.2	9			

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during soil probing;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	Depth	HNU	OVA	Comments
4D	7/28/1989	0.5	0	0.3	
		1.0	0	900	
		1.5	0	840	
		2.0	0	>1000	
		2.5	0	>1000	
		3.0	0	>1000	
		3.5	0	220	
		4.0	0	110	
		4.5	0	480	
4E	7/28/1989	0.5	0	0.4	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0.1	
		2.5	0.1	3.4	
		3.0	0.1	200	
		3.5	0	>1000	
		4.0	0	>1000	
		4.5	0	440	
4F	7/28/1989	0.5	0	0.2	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	0	
		3.5	0	0	
		4.0	0	0	
		4.5	0	0	
4G	7/28/1989	0.5	0	0	
		1.0	0	6.4	
		1.5	0.1	1	
		2.0	0.1	0.5	
		2.5	0.2	>1000	
		3.0	0.1	80-90	
		3.5	0	10	
		4.0	0	100-110	
		4.5	0	18	
4H	7/28/1989	0.5	0	0.2	
		1.0	0	0.3	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0.2	0.7	
		3.5	0.1	1.0-1.2	
		4.0	0.2	0.8	
		4.5	0	0.3	

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during soil probing;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	Depth	HNU	OVA	Comments
4I	7/28/1989	0.5	0	0.2	
		1.0	0.1	0.2	
		1.5	0	0.2	
		2.0	0.3	1	"OVA blew out"
		2.5	0.2	0.8	"OVA blew out"
		3.0	0.1	0.3	"OVA blew out"
		3.5	0	0	
		4.0	0.1	0.4	
		4.5	0.3	0.4	"OVA blew out"
5A	8/4/1989	0.5	0	0.2	
		1.0	0	0	
		1.5	0	0	
		2.0	1-2	780	
		2.5	5-12	>1000	
		3.0	10-15	>1000	
		3.5	5-10	60	
		4.0	3-5	10-30	
5B	8/2/1989	0.5	0	0	
		1.0	0	0	
		1.5	0	1.5	
		2.0	0	0.3-0.4	
		2.5	0	0.6	
		3.0	0.6-0.9	28-29	
		3.5	0.2	0.2	
		4.0	0	0.4	
		4.5	0	0.2	
5C	8/2/1989	0.5	0	0	
		1.0	0	0	
		1.5	0	0.1	
		2.0	0	0.2	
		2.5	0	0.2	
		3.0	0	480	
		3.5	0	>1000	
		4.0	0	320-330	
		4.5	0	200	
5D	8/2/1989	0.5	0	0.5	
		1.0	0	0	
		1.5	0	0	
		2.0	0	>1000	
		2.5	0.4	>1000	
		3.0	0	>1000	
		3.5	0	>1000	
		4.0	0	>1000	
		4.5	0.1	>1000	

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during soil probing;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	Depth	HNU	OVA	Comments
5E	8/2/1989	0.5	0.4	6.8	
		1.0	0.2	0.2	
		1.5	0.1	0	
		2.0	0.1	0	
		2.5	0	0	
		3.0	0	0.2	
		3.5	0.1	0	
		4.0	0.1	0	
		4.5	0	0	
6A	8/4/1989	0.5	0	0.2	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	>1000	
		3.5	0	15	
		4.0	0	10-20	
6B	8/4/1989	0.5	0	0.2	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	>1000	
		3.5	0	15	
		4.0	0	10-20	
6C	8/2/1989	0.5	0	1.5	
		1.0	0	8.8	
		1.5	0	0.4	
		2.0	0	>1000	
		2.5	0.4	>1000	
		3.0	0	300	
		3.5	0.1	45	
		4.0	0.1	45	
6D	8/2/1989	0.5	0	1.8	
		1.0	0	0.2	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	0	
		3.5	0	0	
		4.0	0	0	
4.5	0	0			

**Table 9. Soil Gas Vapor Field Screening Results , continued**

Results of organic vapor measurements made during soil probing;  
instruments included an OVA (flameionization detector) and HNU (photoionization detector)

Location	Date	Depth	HNU	OVA	Comments
6E	8/2/1989	0.5	0	0.4	
		1.0	0	0	
		1.5	0	0	
		2.0	0	0	
		2.5	0	0	
		3.0	0	0	
		3.5	0	0	
		4.0	0	0	
		4.5	0	0	

Results of organic vapor measurements made during soil probing;  
field instruments included an organic vapor meter (photoionization detector)  
and combustible gas meter

Location	Date	Depth	OVM (ppm)	Combustible		
				Gases (%LEL)	Methane (ppm)	TPH (mg/m3)
G-1	11/13/1991	1	0	1	--	--
		2	0	1	--	--
		3	2.4	2	--	--
		4	0	1	--	--
G-2	11/13/1991	1	0	3	--	--
		2	0	3	--	--
		**3	0	24	<100	<30
		***3	0	4	--	--
		4	0	4	--	--

-- indicates not analyzed

\*\* Tedlar bag sample submitted to Energy Labs for GC/MS analyses

\*\*\* measurement recorded after sample collection

Results of organic vapor measurements made during completion of test pits;  
instruments included an OVA (flameionization detector) and HNU (photoionization detector)

Location	Date	HNU	OVA
TP-4	7/28/1988	0	Trace
TP-5	7/28/1988	0	0-30
TP-6	7/28/1988	1-2	Trace
TP-6B*	11/2/1988	0.4	10-80
TP-7	7/28/1988	0	0
TP-8	7/28/1988	0	0
TP-9	7/28/1988	3-5	1-5
TP-9B*	11/2/1988	0-1.7	0-20
TP-10	7/28/1988	0	0
TP-11	7/28/1988	0	0

**Table 9. Soil Gas Vapor Field Screening Results , continued**  
**Results of organic vapor measurements made during completion of test pits;**  
**instruments included an OVA (flameionization detector) and HNU (photoionization**  
**detector)**

Location	Date	HNU	OVA
TP-12	7/28/1988	0	0-Trace
TP-13	7/28/1988	0	0-3.5
TP-14	7/28/1988	0	0
TP-15	7/28/1988	--	--

\*Test pit opened adjacent to original for purpose of collecting "fresh" samples for quantitative analyses

**Results of organic vapor measurements made during monitoring well borings;**  
**OVA and PID instruments**

Location	Date	Depth	OVA	PID
MW-11	12/20/1994	6-6.5	--	2.9
MW-11	12/20/1994	7.5-9	--	37.2
MW-11	12/20/1994	10-11.5	--	0.0
MW-12	12/20/1994	2.5-4	--	5.8
MW-12	12/20/1994	5-6.5	--	8.3
MW-12	12/20/1994	7.5-9	--	9.0
MW-12	12/20/1994	10-11.5	--	63.8
MW-13	12/20/1994	2.5-4	--	0.0
MW-13	12/20/1994	5-6.5	--	5.2
MW-13	12/20/1994	7.5-9	--	2.4
MW-14	6/21/2001	5-6.5	0	--
MW-14	6/21/2001	10-11.5	0	--
MW-14	6/21/2001	15-16.5	0	--
MW-15	6/20/2001	5-6.5	0	--
MW-15	6/20/2001	10-11.5	0	--
MW-15	6/20/2001	15-16.5	0	--
MW-16	6/20/2001	5-6.5	0	--
MW-16	6/20/2001	10-11.5	0	--
MW-16	6/20/2001	15-16.5	1.2	--
MW-17	6/21/2001	5-6.5	0	--
MW-17	6/21/2001	10-11.5	0	--
MW-17	6/21/2001	15-16.5	0	--
MW-19	6/20/2001	5-6.5	0	--
MW-19	6/20/2001	10-11.5	0	--
MW-19	6/20/2001	15-16.5	0	--
B-1	6/21/2001	5-6.5	0	--
B-2	6/21/2001	5-6.5	0	--

**Table 10. Surface Soil Analytical Results for Volatile Organic Compounds (mg/kg)**  
**Results of soil samples collected in vicinity of above-ground used oil tank and road oil tank;**  
**volatile analyses per EPA 8240**

Sample ID	HSL-1	HSL-2	HSL-3	HSL-4	HSL-5	HSL-6	RSL	SSL	RBSL
Sample Date	10/22/1992	10/22/1992	10/22/1992	10/22/1992	10/22/1992	10/22/1992			
Acetone	<0.005	--	<0.5	<0.005	--	<0.005	61000	44	NA
Acrolein	<0.01	--	<1	<0.01	--	<0.01	0.16	8.6E-05	NA
Acrylonitrile	<0.01	--	<1	<0.01	--	<0.01	0.24	9.90E-05	NA
Benzene	<0.005	--	<0.5	<0.005	--	<0.005	1.1	0.028	0.04
Bromodichloromethane	<0.005	--	<0.5	<0.005	--	<0.005	10	3.30E-04	NA
Bromoform	<0.005	--	<0.5	<0.005	--	<0.005	61	0.023	NA
Bromomethane	<0.01	--	<1	<0.01	--	<0.01	7.9	0.022	NA
2-Butanone	<0.01	--	<1	<0.01	--	<0.01	NA	NA	NA
Carbon Disulfide	<0.005	--	<0.5	<0.005	--	<0.005	670	2.7	NA
Carbon Tetrachloride	<0.005	--	<0.5	<0.005	--	<0.005	0.25	0.02	NA
Chlorobenzene	<0.005	--	<0.5	<0.005	--	<0.005	310	0.75	NA
Chloroethane	<0.01	--	<1	<0.01	--	<0.01	NA	NA	NA
2-chloroethyl-vinylether	<0.005	--	<0.5	<0.005	--	<0.005	NA	NA	NA
Chloroform	<0.005	--	<0.5	<0.005	--	<0.005	0.3	5.50E-04	NA
Chloromethane	<0.01	--	<1	<0.01	--	<0.01	1.7	0.49	NA
Dibromochloromethane	<0.005	--	<0.5	<0.005	--	<0.005	5.8	4.00E-04	NA
1,1-Dichloroethane	<0.005	--	<0.5	<0.005	--	<0.005	3.4	0.007	NA
1,1-Dichloroethene	<0.005	--	<0.5	<0.005	--	<0.005	250	NA	NA
1,2-Dichloroethane	<0.005	--	<0.5	<0.005	--	<0.005	0.45	0.015	NA
1,2-Dichloropropane	<0.005	--	<0.5	<0.005	--	<0.005	0.93	0.017	NA
cis-1,3-Dichloropropene	<0.005	--	<0.5	<0.005	--	<0.005	1.7	NA	NA
trans-1,3-dichloropropene	<0.005	--	<0.5	<0.005	--	<0.005	NA	NA	NA
Ethylbenzene	<0.005	--	<0.5	<0.005	--	<0.005	5.7	8.9	6
2-Hexanone	<0.01	--	<1	<0.01	--	<0.01	NA	NA	NA
4-Methyl-2-Pentanone	<0.01	--	<1	<0.01	--	<0.01	NA	NA	NA
Methylene Chloride	<0.005	--	<0.5	<0.005	--	<0.005	11	0.013	NA
Styrene	<0.005	--	<0.5	<0.005	--	<0.005	6500	1.2	NA
Tetrachloroethene	<0.005	--	<0.5	<0.005	--	<0.005	0.57	0.024	NA
Toluene	0.017	--	<0.5	<0.005	--	<0.005	5000	7.6	10
Total-1,2-Dichloroethene	<0.005	--	<0.5	<0.005	--	<0.005	700	0.99	NA
1,1,1-Trichloroethane	<0.005	--	<0.5	<0.005	--	<0.005	9000	0.72	NA
1,1,2,2-Tetrachloroethane	<0.005	--	<0.5	<0.005	--	<0.005	0.59	2.80E-04	NA
1,1,2-Trichloroethane	<0.005	--	<0.5	<0.005	--	<0.005	1.1	0.017	NA
Trichloroethene	<0.005	--	<0.5	<0.005	--	<0.005	2.8	0.019	NA
Vinyl Acetate	<0.01	--	<1	<0.01	--	<0.01	990	0.88	NA
Vinyl Chloride	<0.01	--	<1	<0.01	--	<0.01	0.06	0.007	NA
Xylenes	0.006	--	<0.5	<0.005	--	<0.005	600	110	70
TPH - carbon range C10-C32	210	265	3525	--	--	--	NA	NA	2500*
TPH - carbon range C18-C32	--	--	--	7450	29570	27	NA	NA	2500*

Note: RSL indicates Regional Screening Level for residential soil (EPA, 2009)

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009) adjusted to meet HHS, DAF 10, and 10-5 risk level for carcinogens

RBSL indicates Tier I Surface Soil (0-2 feet) risk-based screening levels for residential ground water less than 10 feet bgs (DEQ, 2009)

\* indicates DEQ ceiling level for the total of diesel range fractions in residential soil

-- indicates not analyzed NA indicates not available

< indicates analyte not detected at noted concentration

**Table 11. Subsurface Soil Analytical Results for Metals (mg/kg)**

Sample ID	Sample Date	Sample Depth (ft bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
<b>RSLs</b>			<b>0.39</b>	<b>15000</b>	<b>70</b>	<b>280</b>	<b>400</b>	<b>6.7</b>	<b>390</b>	<b>390</b>
<b>SSL</b>			<b>2.9</b>	<b>820</b>	<b>3.8</b>	<b>NA</b>	<b>NA</b>	<b>1.0</b>	<b>2.6</b>	<b>16</b>
<b>DEQ risk-based level for subsurface soil (&gt;2' bgs)</b>			<b>300</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Results of soil samples collected from soil borings; total metals analyses</b>										
MW-12	12/21/1994	10-11.5	19	60	3.3	16	12	<0.2	<5	<2
MW-13	12/21/1994	5-6.5	68	210	4.1	28	103	<0.2	10	<2
MW20	5/3/2007	10-11.5	16.6	38.6	<1.0	16.1	29.9	<1.0	<5.0	<5.0
VCP-TP1	8/25/2005	7	16.5	30.1	<1.0	8.4	37.8	<1.0	<5.0	<5.0
VCP-TP2-1	8/25/2005	7	14.5	28	<1.0	9.3	21.5	<1.0	<5.0	<5.0
VCP-TP2-2	8/25/2005	3	22.7	93.8	<1.0	7.4	13.2	<1.0	<5.0	<5.0
VCP-TP3	8/25/2006	7	15	74.8	<1.0	9.2	20.4	<1.0	<5.0	<5.0
VCP-TP4	8/26/2005	7	51.9	55.6	<1.0	8.1	31.4	<1.0	<5.0	<5.0
VCP-TP5	8/26/2005	7	15.2	117	<1.0	9.6	53.2	<1.0	<5.0	<5.0
VCP-TP6	8/26/2005	7	20.3	58.5	<1.0	10.9	96.9	<1.0	<5.0	<5.0
VCP-TP7	8/26/2005	7	135	38.4	<1.0	6.9	65.8	<1.0	<5.0	<5.0
VCP-TP8	8/26/2005	7	31.4	51.7	<1.0	12.5	41.7	<1.0	<5.0	<5.0

Note: RSL indicates Residential Screening Levels for residential soil (EPA 2009)

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009) adjusted to meet HHS, DAF 10, and 10-5 risk level for carcinogens

DEQ risk-based level for subsurface soil is based on a construction worker scenario

NA indicates not available

< indicates analyte not detected at noted concentration

**Table 12. Subsurface Soil Sample Analytical Results for VPH and EPH Screen (mg/kg)**

Sample ID	Date	Depth (feet)	Seasonal Low DTW (feet bgs)	Analytical Results (mg/kg)										
				MTBE	Benzene	Toluene	Ethyl- benzene	Xylenes	Naphth- alene	C9-C10 Aromatics	C5-C8 Aliphatics	C9-C12 Aliphatics	TPH	EPH screen
<b>RBSL</b>				<b>0.08</b>	<b>0.04</b>	<b>10</b>	<b>10</b>	<b>200</b>	<b>9</b>	<b>100</b>	<b>200</b>	<b>1,000</b>	<b>500*</b>	<b>5000*</b>
<b>SSL</b>				<b>0.027</b>	<b>0.028</b>	<b>7.6</b>	<b>8.9</b>	<b>110</b>	<b>5.5E-03</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
MW-15	6/20/2001	10-11.5	8.15	<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<2.0	<2.0	<2.0	<2.0	--
MW-16	6/20/2001	10-11.5	6.70	--	--	--	--	--	--	--	--	--	--	<10
MW-17	6/21/2001	5-6.5	5.66	--	--	--	--	--	--	--	--	--	--	30
MW-17	6/21/2001	10-11.5	5.66	--	--	--	--	--	--	--	--	--	--	<10
B1	6/21/2001	5-6.5	NA	--	--	--	--	--	--	--	--	--	--	<10
B2	6/21/2001	5-6.5	NA	--	--	--	--	--	--	--	--	--	--	<10

Notes: RBSL indicates risk based screening level for subsurface soil less than 10 feet to ground water (DEQ, 2009)

\* indicates DEQ ceiling concentration for the total of the gasoline (TPH) or diesel (EPH) range fractions

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009) adjusted to meet HHS, DAF 10, and 10-5 risk level for carcinogens

-- indicates not analyzed

< indicates analyte not detected at noted concentration

DTW indicates depth to groundwater

bgs indicates below ground surface

NA indicates not available

**Table 13 . Surface Soil Analytical Results for VPH (mg/kg)**

Well ID	Date	Depth (ft bgs)	MTBE	Benzene	Toluene	Ethyl- benzene	Xylenes	Naphth- alene	C9-C10 Aromatics	C5-C8 Aliphatics	C9-C12 Aliphatics	TPH
<b>RBSL-Residential</b>			<b>0.08</b>	<b>0.04</b>	<b>10</b>	<b>6</b>	<b>70</b>	<b>4</b>	<b>100</b>	<b>60</b>	<b>100</b>	<b>100*</b>
<b>RBSL-Commercial</b>			<b>0.08</b>	<b>0.04</b>	<b>10</b>	<b>10</b>	<b>200</b>	<b>9</b>	<b>100</b>	<b>200</b>	<b>700</b>	<b>500*</b>
<b>SSL</b>			<b>0.027</b>	<b>0.028</b>	<b>7.6</b>	<b>8.9</b>	<b>110</b>	<b>5.5E-03</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
RR1-S	5/1/2009	0-0.5	<0.11	<0.056	<0.056	<0.056	<0.056	<0.11	<2.2	<2.2	<2.2	<2.2
RR1-D	5/1/2009	0.5-2	<0.13	<0.063	<0.063	<0.063	<0.063	<0.13	<2.5	<2.5	<2.5	<2.5
RR2-S	5/1/2009	0-0.5	<0.11	<0.053	<0.053	<0.053	<0.053	<0.11	<2.1	<2.1	<2.1	<2.1
RR2-D	5/1/2009	0.5-2	<0.13	<0.063	0.057J	<0.063	<0.063	<0.13	<2.5	<2.5	<2.5	<2.5
RR2-D (Dup)	5/1/2009	0.5-2	<0.14	<0.069	<0.069	<0.069	<0.069	<0.14	<2.7	<2.7	<2.7	<2.7
RR3-S	5/5/2009	0-0.5	<0.11	<0.053	<0.053	<0.053	<0.053	0.098J	<2.1	<2.1	<2.1	<2.1
RR3-D	5/5/2009	0.5-2	<0.13	<0.067	<0.067	<0.067	<0.067	<0.13	<2.7	<2.7	<2.7	<2.7
RR4-S	5/5/2009	0-0.5	<0.11	<0.053	<0.053	<0.053	<0.053	<0.11	<2.1	<2.1	<2.1	<2.1
RR4-D	5/5/2009	0.5-2	<0.12	<0.058	0.098	<0.058	0.089	0.092J	<2.3	<2.3	<2.3	<2.3
Rinsate Blank (ug/L)	5/5/2009	NA	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<20	<20	<20	<20

Notes: RBSL-Residential Tier 1 Surface Soil (0-2 ft), <10 feet to groundwater

RBSL-Commercial Tier 1 Surface Soil (0-2 ft), <10 feet to groundwater

-- indicates not analyzed, NA indicates not available

< indicates analyte not detected at noted concentration

J indicates estimated quantity; Analyte is present at concentrations less than reporting limits

\* indicates DEQ ceiling concentration for the total of the gasoline range fractions

**Table 14. Surface Soil Analytical Results for EPH and PAHs (mg/kg)**

Sample ID	Date	Depth (ft bgs)	TEH Screen	TEH	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatics	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Benzo(g,h,i)perylene
<b>RBSL Residential</b>			NA	NA	200	20,000	400	4	NA	200	300	NA	2,000	300	200	0.2	20	0.2	2	0.02	0.02	0.2	NA
<b>RBSL Commercial</b>			NA	NA	1,000	100,000	400	9	NA	200	600	NA	4,000	500	2,000	2	200	2	20	0.2	0.2	2	NA
<b>RBSL Leaching</b>			NA	NA	51,700	NA	380	9	NA	249	643	NA	3,740	484	4,280	13.6	1,510	46.6	466	3.67	6.78	132	NA
<b>EPA SSL</b>			NA	NA	NA	NA	NA	0	NA	270	330	NA	4,500	2,100	1,500	1,400	14	4,700	460	46,000	1,500	160	NA
RR1-S	5/1/2009	0-0.5	221	65	<11	26	26	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.21J	0.15J	0.19J	<0.33	0.23J	0.19J
RR1-D	5/1/2009	0.5-2	176	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RR2-S	5/1/2009	0-0.5	79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RR2-D	5/1/2009	0.5-2	37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RR2-D (Dup)	5/1/2009	0.5-2	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RR3-S	5/5/2009	0-0.5	246	68	<11	41	21	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
RR3-D	5/5/2009	0.5-2	445	302	2.9J	20	242	<0.33	<0.33	0.62	0.39	5.4	1.5	7.4	8.4	4	3.9	3.5	1.5	3.2	0.29J	1.8	1.5
RR4-S	5/5/2009	0-0.5	146	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RR4-D	5/5/2009	0.5-2	467	316	8.2J	36	232	<0.33	<0.33	0.85	0.52	6.2	1.6	8.1	9.5	4.4	4.2	3.8	1.6	3.4	0.67	2	1.6
SS-1-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0051	<0.0051	<0.0051	<0.0051	0.0741	<0.0051	0.0144	0.0334	<0.0051	0.0219	0.0156	<0.0051	<0.0051	<0.0051	<0.0051	0.0114
SS-1-D	6/17/2009	0.5-2	--	--	--	--	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
SS-2-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.0208	0.0247	0.0153	0.0238	0.0295	0.0184	0.0238	<0.0052	0.0146	0.0189
SS-2-D	6/17/2009	0.5-2	--	--	--	--	--	<0.258	1.13	<0.258	0.0988	0.244	0.53	0.833	2.41	1.06	0.982	1.56	0.872	1.58	0.252	0.882	1.25
SS-3-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.035	<0.0259	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052
SS-3-D	6/17/2009	0.5-2	--	--	--	--	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.0185	0.0275	0.0122	0.0164	0.0191	0.0136	0.0158	<0.0054	<0.0054	<0.0054
SS-4-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	0.0152	0.0161	0.0108	0.0167	0.0268	0.0122	0.0141	<0.0053	<0.0053	<0.0053
SS-4-D	6/17/2009	0.5-2	--	--	--	--	--	<0.0056	<0.0056	<0.0056	<0.0056	0.0139	<0.0056	0.0284	0.0275	0.0132	0.0212	0.0274	0.0114	0.0142	<0.0056	<0.0056	<0.0056
SS-5-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.0139	0.0147	<0.0051	0.0161	0.0188	0.0121	0.0104	<0.0051	<0.0051	<0.0051
SS-5-D	6/17/2009	0.5-2	--	--	--	--	--	<0.0059	0.0434	<0.0059	0.0176	0.118	0.0488	0.16	0.148	0.0948	0.0938	0.114	<0.0294	0.0966	<0.0059	<0.0294	0.0626
SS-6-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0052	0.0293	<0.0052	<0.0052	0.0116	0.0207	0.0493	0.0638	0.0443	0.0614	0.109	0.046	0.0616	<0.0052	0.0204	0.0205
SS-D (SS-6-S Dupl.)	6/17/2009	0-0.5	--	--	--	--	--	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	<0.0261	0.0634	<0.0261	0.153	0.173	0.0727	0.078	<0.0261	0.0703	<0.0261
SS-6-D	6/17/2009	0.5-2	--	--	--	--	--	<0.0061	0.256	<0.0061	0.0214	0.0589	0.123	0.176	0.307	0.187	0.187	0.293	0.131	0.294	<0.0307	0.172	0.273
SS-7-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0053	0.0347	0.0143	<0.0053	0.0228	0.0182	0.0238	0.0632	0.0255	0.05	<0.0263	<0.0263	<0.0263	<0.0053	<0.0263	<0.0263
SS-7-D	6/17/2009	0.5-2	--	--	--	--	--	<0.0056	0.141	<0.0056	0.0119	0.0233	0.0621	0.0635	0.123	0.0605	0.075	0.137	<0.0281	0.129	<0.0281	0.0825	0.143
SS-8-S	6/17/2009	0-0.5	--	--	--	--	--	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.0115	0.0315	<0.0052	0.0253	<0.026	<0.0052	<0.026	<0.0052	<0.0052	<0.026
SS-8-D	6/17/2009	0.5-2	--	--	--	--	--	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	0.0169	0.0275	0.0124	0.0182	<0.0288	0.0147	<0.0288	<0.0058	<0.0058	<0.0058
Rinsate Blank (ug/L)	5/5/2009	NA	<380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rinsate Blank (ug/L)	6/17/2009	NA	--	--	--	--	--	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

Notes: RBSL Residential - Tier 1 Risk-Based Screening Level, Surface Soil (0-2 ft), <10 feet to groundwater  
 RBSL Industrial - Tier 1 Risk-Based Screening Level, Surface Soil (0-2 ft), <10 feet to groundwater  
 -- indicates not analyzed, NA indicates not available  
 < indicates analyte not detected at noted concentration  
 J indicates estimated quantity; Analyte is present at concentrations less than reporting limits

**Table 15. Surface Soil Analytical Results for Metals (mg/kg)**

Sample ID	Sample Date	Sample Depth (ft bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
<b>RSL-Residential</b>			<b>0.39</b>	<b>15,000</b>	<b>70</b>	<b>280</b>	<b>400</b>	<b>4.3</b>	<b>390</b>	<b>390</b>
<b>SSL</b>			<b>2.9</b>	<b>820</b>	<b>3.8</b>	<b>NA</b>	<b>NA</b>	<b>1</b>	<b>2.6</b>	<b>16</b>
<b>DEQ background level for surface soil</b>			<b>40</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
RR1-S	5/1/2009	0-0.5	26	113	<1	25	110	<0.50	19	<5
RR1-D	5/1/2009	0.5-2	41	134	<1	10	25	<0.50	26	<5
RR2-S	5/1/2009	0-0.5	20	102	<1	20	63	<0.50	15	<5
RR2-D	5/1/2009	0.5-2	39	168	<1	10	40	<0.50	23	<5
RR2-D (Dup)	5/1/2009	0.5-2	42	157	<1	10	36	<0.50	24	<5
RR3-S	5/5/2009	0-0.5	36	195	1	63	372	<0.50	18	<5
RR3-D	5/5/2009	0.5-2	34	182	<1	9	38	<0.50	33	<5
RR4-S	5/5/2009	0-0.5	22	97	<1	32	144	<0.50	16	<5
RR4-D	5/5/2009	0.5-2	20	287	<1	12	96	<0.50	21	<5
SS-1-S	6/17/2009	0-0.5	16	--	--	--	--	--	--	--
SS-1-D	6/17/2009	0.5-2	19.9	--	--	--	--	--	--	--
SS-2-S	6/17/2009	0-0.5	24.1	--	--	--	--	--	--	--
SS-2-D	6/17/2009	0.5-2	25.3	--	--	--	--	--	--	--
SS-3-S	6/17/2009	0-0.5	12.6	--	--	--	--	--	--	--
SS-3-D	6/17/2009	0.5-2	36	--	--	--	--	--	--	--
SS-4-S	6/17/2009	0-0.5	11.9	--	--	--	--	--	--	--
SS-4-D	6/17/2009	0.5-2	18.1	--	--	--	--	--	--	--
SS-5-S	6/17/2009	0-0.5	15.3	--	--	--	--	--	--	--
SS-5-D	6/17/2009	0.5-2	30.1	--	--	--	--	--	--	--
SS-6-S	6/17/2009	0-0.5	14.1	--	--	--	--	--	--	--
SS-D (SS-6-S Dupl)	6/17/2009	0-0.5	16	--	--	--	--	--	--	--
SS-6-D	6/17/2009	0.5-2	40.1	--	--	--	--	--	--	--
Rinsate Blank (ug/L)	5/5/2009	NA	<0.005	<0.1	0.002	<0.01	<0.01	--	<0.005	<0.005

Note: RSL-Residential indicates Residential Screening Levels for residential soil (EPA, 2009)

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009)

-- indicates not analyzed, NA indicates not available

< indicates analyte not detected at noted concentration

Table 16. Surface Soil Analytical Results for Herbicides (mg/kg)

Sample ID	Date	Depth (ft bgs)	2,4,5-T	2,4,5-TP (Silvex)	2,4-D	2,4-DB	3,5-Dichlorobenzoic Acid	4-Nitrophenol	Acifluorfen	Bentazon	Chloramben	Dacthal	Dalapon	Dicamba	Dichlorprop	Dinoseb	MCPA	MCPP	Pentachlorophenol	Picloram
RSL-Residential			610	290	690	490	NA	NA	NA	1,800	920	610	1,800	1,800	NA	61	31	61	3	4,300
RSL-Industrial			6,200	290	7,700	4,900	NA	NA	NA	18,000	9,200	6,200	18,000	18,000	NA	620	310	620	9	43,000
SSL			NA	NA	NA	NA	NA	NA	NA	3	1.2	2.8	0.41	2.8	NA	0.51	0.047	0.11	0.07	1.2
RR1-S	5/1/2009	0-0.5	<0.0040	<0.0040	<0.020	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR1-D	5/1/2009	0.5-2	<0.0040	<0.0040	<0.020	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR2-S	5/1/2009	0-0.5	<0.0040	<0.0040	<0.020	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR2-D	5/1/2009	0.5-2	<0.0040	<0.0040	<0.020	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR2-D (Dup)	5/1/2009	0.5-2	<0.0040	<0.0040	<0.020	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	0.0058	<0.010
RR3-S	5/5/2009	0-0.5	<0.025 D	<0.20 D	180 2 4	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR3-S	5/5/2009	0-0.5	--	--	0.49 3 4 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RR3-S Dup*	5/5/2009	0-0.5	<0.0040	<0.0040	<0.02	<0.05	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR3-D	5/5/2009	0.5-2	<0.0040	<0.0073 D	2.3 4	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR3-D Dup*	5/5/2009	0.5-2	<0.0040	<0.0040	<0.02	<0.05	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR4-S	5/5/2009	0-0.5	<0.0040	<0.0052 D	1.6 4	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	0.0039	<0.010
RR4-S Dup*	5/5/2009	0-0.5	<0.0040	<0.0040	<0.020	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
RR4-D	5/5/2009	0.5-2	<0.0040	<0.0040	0.11 4	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	0.0051	0.12
RR4-D Dup*	5/5/2009	0.5-2	<0.0040	<0.0040	<0.020	<0.050	<0.010	<0.010	<0.010	<0.050	<0.010	<0.020	<0.050	<0.0050	<0.020	<0.020	<4.0	<4.0	<0.0020	<0.010
Rinsate Blank (ug/L)	5/5/2009	NA	<0.2	<0.2	<1.0	<2.5	<0.50	<0.50	<0.50	<2.5	<0.50 1	<1.0	<2.5	<0.25	<1.0	<1.0	<200	<200	<0.10	<0.50

Note: RSL-Residential indicates Regional Screening Levels for residential soil (EPA, 2009)

RSL-Industrial indicates Regional Screening Levels for industrial soil (EPA, 2009)

SSL indicates Regional Screening Level for protection of ground water (EPA, 2009)

NA indicates not available

-- indicates sample not analyzed

< indicates analyte not detected at noted concentration

D indicates reporting limit increased due to sample matrix interference

1 indicates the compound was not recovered in Laboratory Control Samples or Matrix Spike. Results are suspect.

2 indicates the initial analysis for the sample and matrix spike samples was inconsistent for 2,4-D. The sample was re-extracted in duplicated within EPA hold time and results indicated possible laboratory contamination.

Both the original and re-extracted results are reported. Further data for the re-extracted sample is reported in the QA Summary report as a duplicate.

3 indicates re-extracted results for 2,4-D

4 due to highly contaminated samples recently analyzed, laboratory contamination is suspected for this compound. Re-sample is recommended.

B indicates the analyte was detected in the method blank

\* indicates samples that were reanalyzed as duplicates because of suspected laboratory contamination during initial analysis. The prep hold time was exceeded by 13 days.

**Table 17. Surface Soil Analytical Results for Pesticides (mg/kg)**

Sample ID	Date	Depth (ft bgs)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene	
<b>RSL-Residential</b>			<b>2.0</b>	<b>1.4</b>	<b>1.7</b>	<b>0.029</b>	<b>0.077</b>	<b>NA</b>	<b>0.27</b>	<b>NA</b>	<b>NA</b>	<b>0.03</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>18</b>	<b>NA</b>	<b>NA</b>	<b>0.52</b>	<b>NA</b>	<b>0.11</b>	<b>0.053</b>	<b>310</b>	<b>0.44</b>	
<b>RSL-Industrial</b>			<b>7.2</b>	<b>5.1</b>	<b>7.0</b>	<b>0.1</b>	<b>0.27</b>	<b>NA</b>	<b>0.96</b>	<b>NA</b>	<b>NA</b>	<b>0.11</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>180</b>	<b>NA</b>	<b>NA</b>	<b>2.1</b>	<b>NA</b>	<b>0.38</b>	<b>0.19</b>	<b>3,100</b>	<b>1.6</b>	
<b>SSL</b>			<b>NA</b>	<b>0.6</b>	<b>NA</b>	<b>8.4E-03</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>3.5</b>	<b>NA</b>	<b>9.0E-04</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>0.43</b>	<b>NA</b>	<b>NA</b>	<b>0.0014</b>	<b>NA</b>	<b>0.42</b>	<b>0.021</b>	<b>34</b>	<b>6</b>	
RR1-S	5/1/2009	0-0.5	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<1.7
RR1-D	5/1/2009	0.5-2	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.017	<0.0017	<0.17	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.017	<0.0017	<0.0017	<0.0017	<0.0017	<1.7
RR2-S	5/1/2009	0-0.5	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<1.7
RR2-D	5/1/2009	0.5-2	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<1.7
RR2-D (Dup)	5/1/2009	0.5-2	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<1.7
RR3-S	5/5/2009	0-0.5	<0.0017	<0.0017	<0.017	<0.0017	<0.0017	<0.0017	<0.0017	<0.017	<0.0017	<0.0017	<0.017	<0.017	<0.0017	<0.017	<0.017	<0.017	<0.0017	<0.0017	<0.0017	<0.0017	<0.017	<0.017	<1.7
RR3-D	5/5/2009	0.5-2	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.15 D	<3.3	
RR4-S	5/5/2009	0-0.5	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.17	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.034	<1.7	
RR4-D	5/5/2009	0.5-2	<0.017	<0.017	<0.017	<0.017	<0.017	<0.034	<0.017	<0.17	<0.017	<0.017	<0.017	<0.034	<0.017	<0.017	<0.034	<0.017	<0.017	<0.017	<0.017	<0.017	<0.060 D	<3.3	
Rinsate Blank (ug/L)	5/5/2009	NA	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.50	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<2.5	

Note: RSL indicates Regional Screening Levels for residential soil (EPA, 2009)  
 RSL indicates Regional Screening Levels for industrial soil (EPA, 2009)  
 SSL indicates Regional Screening Level for protection of ground water (EPA, 2009)  
 NA indicates not available  
 < indicates analyte not detected at noted concentration  
 D indicates report limit increased due to sample matrix interference

**Table 18. Surface Soil UCL95 or UCL99 of the Mean for PAHs (mg/kg) and Calculated Cumulative Carcinogenic Risk**

Sample ID	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(a)pyrene	Dibenzo(a,h) anthracene	Indeno(1,2,3-cd) pyrene	Cumulative Risk
<b>RBSL Residential</b>	<b>0.2</b>	<b>0.2</b>	<b>0.02</b>	<b>0.02</b>	<b>0.2</b>	
<b>RBSL Commercial</b>	<b>2</b>	<b>2</b>	<b>0.2</b>	<b>0.2</b>	<b>2</b>	
UCL95 of the Mean			0.864	0.318	0.509	
UCL99 of the Mean	3.4	3.05				
Carcinogenic Risk Level, Residential Exposure	1.7E-05	1.5E-05	4.3E-05	1.6E-05	2.5E-06	9.4E-05
Carcinogenic Risk Level, Commercial Exposure	1.7E-06	1.5E-06	4.3E-06	1.6E-06	2.5E-07	9.4E-06

Notes: RBSL Residential - Tier 1 Risk-Based Screening Level, Surface Soil (0-2 ft), <10 feet to groundwater with residential exposure scenario  
RBSL Commercial - Tier 1 Risk-Based Screening Level, Surface Soil (0-2 ft), <10 feet to groundwater with commercial exposure scenario

**Table 19. Chemicals of Potential Concern**

Contaminant	Sample Depth (Surface or Subsurface)	Highest Soil Concentration (mg/kg)	RSL Residential (mg/kg)	RSL Industrial (mg/kg)	SSL (mg/kg)	RBSL Residential (mg/kg)	RBSL Commercial (mg/kg)	DEQ Screening Level (mg/kg)
1,2-Dichlorobenzene	Subsurface	0.009	2000	10000	6.6	NA	NA	NA
1,2,4-Trimethylbenzene	Subsurface	0.004	67	280	0.24	NA	NA	NA
1,3,5-Trimethylbenzene	Subsurface	0.005	47	200	0.2	NA	NA	NA
Naphthalene (VPH)	Surface	0.98 J	3.9	20	5.5E-03	4	9	NA
Toluene	Surface	0.017	5000	46000	7.6	10	10	NA
Xylenes	Surface	0.006	600	2600	110	70	200	NA
Acenaphthene	Surface	0.85	3400	33000	270	200	200	NA
Acenaphthylene	Surface	1.13	NA	NA	NA	NA	NA	NA
Anthracene	Surface	1.6	17000	170000	4500	2000	4000	NA
Benzo(a)anthracene	Surface	4.4	0.15	2.1	1400	0.2	2	NA
Benzo(b)fluoranthene	Surface	3.8	0.15	2.1	4700	0.2	2	NA
Benzo(k)fluoranthene	Surface	1.6	1.5	21	460	2	20	NA
Benzo(a)pyrene	Surface	3.4	0.015	0.21	4.6E+04	0.02	0.2	NA
Benzo(g,h,i)perylene	Surface	1.6	NA	NA	NA	NA	NA	NA
Chrysene	Surface	4.2	15	210	14	20	200	NA
Dibenzo(a,h)anthracene	Surface	0.67	0.015	0.21	1500	0.02	0.2	NA
Di-n-octyl phthalate	Subsurface	0.99	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	Surface	2.0	0.15	2.1	160	0.2	2	NA
Fluorene	Surface	0.52	2300	22000	330	300	600	NA
Fluoranthene	Surface	8.1	2300	22000	2100	300	500	NA
Phenanthrene	Surface	6.2	NA	NA	NA	NA	NA	NA
Pyrene	Surface	9.5	1700	17000	1500	200	2000	NA
C9-C18 Aliphatics	Surface	8.2 J	NA	NA	NA	200	1000	NA
C19-C36 Aliphatics	Surface	41	NA	NA	NA	20000	100000	NA
C11-C22 Aromatics	Surface	242	NA	NA	NA	400	400	NA
Petroleum Hydrocarbons as Diesel	Subsurface	210	NA	NA	NA	NA	NA	NA
TEH	Surface	316	NA	NA	NA	NA	NA	NA
TPH (C10-C32)	Surface	3525	NA	NA	NA	2500*	5000*	NA
TPH (C18-C32)	Surface	29570	NA	NA	NA	2500*	5000*	NA
Pentachlorophenol	Surface	0.0039	3	9	0.07	3	9	NA
Arsenic	Surface	42	0.39	1.6	2.9	NA	NA	40
Arsenic	Subsurface	135	0.39	1.6	2.9	NA	NA	300
Barium	Surface	287	15000	1.9E+05	820	NA	NA	NA
Barium	Subsurface	210	15000	1.9E+05	820	NA	NA	NA
Cadmium	Surface	1	70	810	3.8	NA	NA	NA
Cadmium	Subsurface	4.1	70	810	3.8	NA	NA	NA
Chromium	Surface	63	280	1400	NA	NA	NA	NA
Chromium	Subsurface	28	280	1400	NA	NA	NA	NA
Lead	Surface	372	400	800	140	NA	NA	NA
Lead	Subsurface	103	400	800	140	NA	NA	NA
Selenium	Surface	33	390	5100	2.6	NA	NA	NA
Selenium	Subsurface	10	390	5100	2.6	NA	NA	NA

Notes: J indicates estimated quantity; Analyte is present at concentrations less than reporting limits

NA indicates screening level not available

\* indicates DEQ ceiling level for total diesel range fractions in soil

**Table 20. Soil Protective Levels, mg/kg**

Contaminant	Soil Depth	RSL Industrial	RBSL Commercial	MT Background Screening Level	DEQ Risk Based Exposure Level*
Benzo(a)anthracene	Surface	2.1	2	NA	NA
Benzo(b)fluoranthene	Surface	2.1	2	NA	NA
Benzo(a)pyrene	Surface	0.21	0.2	NA	NA
Dibenzo(a,h)anthracene	Surface	0.21	0.2	NA	NA
Indeno(1,2,3-cd)pyrene	Surface	2.1	2	NA	NA
Naphthalene	Surface	20	9**	NA	NA
Arsenic	Surface	1.6	NA	40	NA
Arsenic	Subsurface	1.6	NA	NA	300
Cadmium	Subsurface	810	NA	NA	NA
Selenium	Subsurface	5100	NA	NA	NA

Notes: \* indicates DEQ risk based exposure level for a construction worker scenario

\*\* the RBSL for naphthalene is protective of direct contact and leaching; however, it is not protective against the risk of vapor intrusion

NA indicates Not Available

**Table 21. Remedial Alternative Evaluation Criteria**

Alternative	Evaluation Criteria						
	Protective	Complies with ERCLS	Mitigates Risk	Effective & Reliable	Practicable & Implementable	Use of Applicable Technologies	Cost-Effective
No Further Action	No	No	No	No	Yes	No, none necessary	Yes, \$0
Removal & Disposal at Offsite Permitted Land Disposal Facility	Yes	Yes	Yes	Short term: Yes Long Term: Yes	Yes	Engineering Controls	No, \$400,000 to \$700,000
Consolidation & Capping of Material Onsite	Yes	Yes	Yes	Short term: Yes Long Term: Yes	Yes	Engineering Controls	No, \$356,000
Institutional Controls - Declaration of Restrictive Covenants	Yes	Yes	Yes	Short term: Yes Long Term: Yes	Yes	No, none necessary	Yes, \$12,000