

LABORATORY DATA SUMMARY																				
Sample ID	605-2 Background N	605-2 Background NW	605-2 Background SW	605-2 Background S	S WALL 9FT	E WALL 10FT	N WALL 8	W WALL 8	BOTTOM (W)	W POT	SPOILS	OVERBURDEN	605-2 Arsenic S. WALL	605-2 Arsenic E WALL	BOTTOM: 10-21-14	Bottom 6 ft	COGCC TABLE 915-1 CONCENTRATION LEVELS	Residential Soil Screening Level	Protection of Groundwater	UNITS
Sample Depth	14"	12"	7"	6"	Excavation Clearance (F)	Excavation Clearance (10')	Excavation Clearance (F)	Excavation (F)	Excavation (F)	6'	Spill Piles (Composite)	Overburden (composite)	Excavation Clearance (F)	Excavation Clearance (F)	Excavation (F)	Excavation Clearance (F)				
Latitude					39.548744	39.548815	39.548809	39.548745	39.548795	39.548735	-	-	39.548744	39.548815	39.548759	39.548759				
Longitude					-108.240374	-108.240355	-108.240355	-108.240421	-108.240432	-108.240489	-	-	-108.240374	-108.240355	-108.240408	-108.240408				
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Comp	Comp	Comp	Grab	Grab	Grab	Grab				
Sample Description	Background North	Background Northwest	Background Southwest	Background South	Excavation Clearance (F)	Excavation Clearance (10')	Excavation Clearance (F)	Excavation (F)	Excavation (F)	Pot hole west of Sep	Spill Piles (Composite)	Overburden (composite)	Excavation Clearance (F)	Excavation Clearance (F)	Excavation (F)	Excavation Clearance (F)				
Sample Date	7/6/2011	7/6/2011	7/6/2011	7/6/2011	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	9/23/2014	10/6/2014	10/6/2014	10/16/2014	10/16/2014	10/21/2014	10/31/2014				
Analytical Parameters																				
TPH					40.5	4.5	4.5	3990	2390	17.5	57	4.5	NT	NT	12360	100				
TPH Gasoline Range Organics					< 0.50	< 0.50	< 0.50	1890	1300	< 0.50	26	< 0.50	NT	NT	2500	< 0.50				
TPH Diesel Range Organics (C10-C28)					NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 0.50				
TPH Oil Range Organics (C28-C36)					NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 100.00				
COCL: TPH					< 5.0	< 5	< 5	9100	5400	< 18	83	< 5.0	NT	NT	< 100.00					
BTEX																				
Benzene					< 0.0050	< 0.0050	< 0.0050	3.2	1.8	< 0.0050	< 0.0050	< 0.0050	NT	NT	NT	1.2				
Toluene					< 0.025	< 0.025	< 0.025	110	39	< 0.025	< 0.025	< 0.025	NT	NT	NT	490				
Ethylbenzene					< 0.0050	< 0.0050	< 0.0050	20	7.2	< 0.0050	< 0.0050	< 0.0050	NT	NT	NT	5.8				
Total Xylenes					< 0.015	< 0.015	< 0.015	290	120	< 0.015	< 0.015	< 0.015	NT	NT	NT	58				
THS																				
1,2,4-Trimethylbenzene					NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
1,3,5-Trimethylbenzene					NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Metals																				
Arsenic	6.5	9.6	9	6.6	71	54	28	NT	NT	15	16	15	15	12	NT	0.68				
Barium	360	290	360	360	530	515	590	NT	NT	490	290	260	260	82	NT	15,000				
Bismuth	0.83	0.89	0.68	0.76	< 0.50	< 0.50	< 0.50	NT	NT	< 0.50	< 0.50	0.8	NT	NT	NT	71				
Bromine	3.6	< 2.0	4.3	10	< 2.0	< 2.0	< 2.0	NT	NT	< 2.0	< 2.0	< 2.0	NT	NT	NT	0.3				
Cadmium	17	22	21	16	40	34	23	NT	NT	30	18	17	NT	NT	NT	3,100				
Chromium	19	19	20	17	30	19	16	NT	NT	20	12	121	NT	NT	NT	400				
Copper	24	23	23	19	59	42	59	NT	NT	60	23	18	NT	NT	NT	1,500				
Nickel	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 10.0	< 10.0	NT	NT	< 10.0	< 10.0	< 10.0	NT	NT	NT	360				
Selenium	< 1.5	< 1.5	< 1.5	< 1.5	< 5.0	< 5.0	< 5.0	NT	NT	< 5.0	< 5.0	< 5.0	NT	NT	NT	390				
Silver								NT	NT				NT	NT	NT	23,000				
Zinc	56	63	57	56	70	69	59	NT	NT	75	80	52	NT	NT	NT	370				
SAR Metals Analysis																				
Soil Ion Adsorption Ratio					1.9	2	1.8	NT	NT	1.5	2.1	0.6	NT	NT	NT	NT				
Polynuclear Aromatic Hydrocarbons																				
Acenaphthene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	350				
Anthracene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	1,800				
Benzo[a]anthracene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	1.1				
Benzo[a]pyrene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	0.11				
Benzo[b]fluoranthene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	1.1				
Benzo[k]fluoranthene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	11				
Chrysene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	110				
Dibenz[a,h]anthracene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	0.11				
Fluoranthene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	240				
Fluorene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	240				
Indene[1,2,3-cd]pyrene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	1.1				
1-Methylnaphthalene					< 0.20	< 0.20	< 0.20	NT	NT	< 0.20	< 0.20	0.629	NT	NT	NT	18				
2-Methylnaphthalene					< 0.20	< 0.20	< 0.20	NT	NT	< 0.20	< 0.20	0.424	NT	NT	NT	24				
Naphthalene					< 0.020	< 0.020	< 0.020	NT	NT	< 0.020	< 0.020	< 0.020	NT	NT	NT	2				
Phenanthrene					< 0.0060	< 0.0060	< 0.0060	NT	NT	< 0.0060	< 0.0060	< 0.0060	NT	NT	NT	180				
General Chemistry																				
Boron					NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT				
Specific Conductivity	0.029	0.024	0.025	0.025	0.048	0.072	0.106	0.146	0.093	0.430	0.170	0.170	NT	NT	NT	NT				
pH (70 Qualifier)	6.90	6.50	6.40	6.30	6.90	6.90	6.90	NT	NT	6.90	6.40	6.4	NT	NT	NT	NT				

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

J = indicates an estimated value

B = some analytes found in associated blocks

AS = sample matrix interfered with the ability to make any accurate determination; spike value is the

analyte; = indicates per centimeter

nt = not detected

nd = standard units

NA = not applicable

NT = parameter was not tested

ND = not detected above method detection limit

TS = Sample received past due to holding time expiration

COGCC Table 915-1 concentration levels for soils (BIOGEOCHEMICAL/General Knowledge Sheet)

COGCC Table 915-2 concentration levels and soil values (BIOGEOCHEMICAL/Soils)

COGCC Table 915-3 concentration levels