

Table 1. Chemical Testing Results - Soil Stockpiles
RIDOT 6/10 Connector Project
Providence, Rhode Island
09/12/20 Sampling Event

Analyte	Method	Units	Rhode Island Residential Direct Exposure Criteria	Rhode Island Industrial/Commercial Direct Exposure Criteria	Sample ID:	SP-01 (GRAB)	SP-01 (COMP)	SP-02 (GRAB)	SP-02 (COMP)	SP-03 (GRAB)	SP-03 (COMP)	SP-04 (GRAB)	SP-04 (COMP)	SP-05 (GRAB)	SP-05 (COMP)	SP-06 (GRAB)	SP-06 (COMP)				
					Sampling Date:	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020	9/12/2020
					Lab Sample ID:	L2038032-01	L2038032-02	L2038032-03	L2038032-04	L2038032-05	L2038032-06	L2038032-07	L2038032-08	L2038032-09	L2038032-10	L2038032-11	L2038032-12				
Volatile Organic Compounds (VOCs)					5035	mg/kg															
Acetone			7800	10000		0.14	NT	<0.018	NT	0.075	NT	<0.02	NT	0.032	NT	<0.02	NT	NT			
Tetrachloroethene			12	110		<0.00041		<0.00035		<0.00045		<0.00039		0.00062		<0.0004					
Semivolatile Organic Compounds (SVOCs)					8270D	mg/kg															
Acenaphthylene			23	10000		NT		NT		NT		NT		NT		NT		0.16			
Anthracene			35	10000			<0.14	<0.1	<0.1	0.77		0.22		0.4		0.3		0.15			
Benzo(a)anthracene			0.9	7.8			0.14	0.22	0.22	3.6		1		1.7		0.56		0.56			
Benzo(a)pyrene			0.4	0.8			<0.14	0.2	0.2	3.0		0.87		1.3		0.56		0.56			
Benzo(b)fluoranthene			0.9	7.8			0.2	0.34	0.34	6.2		1.6		2.1		0.8		0.8			
Benzo(ghi)perylene			0.8	10000			<0.14	0.16	0.16	2.2		0.66		0.75		0.38		0.38			
Benzo(k)fluoranthene			0.9	78			<0.1	0.12	0.12	1.5		0.54		0.48		0.25		0.25			
Carbazole			NS	NS			<0.17	<0.17	<0.17	0.21		<0.16		<0.17		<0.17		<0.17			
Chrysene			0.4	780			0.14	0.24	0.24	3.6		1.1		1.6		0.61		0.61			
Dibenzo(a,h)anthracene			0.4	0.8			<0.1	<0.1	<0.1	0.64		0.16		0.21		<0.1		<0.1			
Fluoranthene			20	10000			0.21	0.37	0.37	4.5		1.5		2.8		0.89		0.89			
Indeno(1,2,3-cd)pyrene			0.9	7.8			<0.14	0.17	0.17	2.5		0.71		0.8		0.38		0.38			
Naphthalene			54	10000			<0.17	<0.17	<0.17	0.28		<0.16		<0.17		<0.17		<0.17			
Phenanthrene			40	10000			<0.1	0.16	0.16	1.4		0.52		0.44		0.37		0.37			
Pyrene			13	10000			0.2	0.35	0.35	4.8		1.5		2.6		0.9		0.9			
Total Petroleum Hydrocarbons (TPH)					8015D	mg/kg															
TPH (C10-C36)			NS	NS		NT		NT		NT		NT		NT		NT		85.2 G			
Polychlorinated Biphenyls (PCBs)					8082A	mg/kg															
Aroclor 1254			10	10			<0.0325	<0.0334	<0.0334	0.0366		<0.0335		<0.0342		<0.0334		<0.0334			
Aroclor 1260			10	10			<0.0325	<0.0334	<0.0334	0.036		<0.0335		<0.0342		<0.0334		<0.0334			
PCBs, Total			10	10			<0.0325	<0.0334	<0.0334	0.0726		<0.0335		<0.0342		<0.0334		<0.0334			
Pesticides					8081B	mg/kg															
4,4'-DDE			NS	NS			<0.00158	<0.00163	<0.00163	0.00502 C+,G		0.00187 G		0.00236 G		<0.0016		<0.0016			
4,4'-DDT			NS	NS			<0.00296	<0.00306	<0.00306	0.0188 C+		0.00856		0.0116		0.00785		0.00785			
cis-Chlordane			NS	NS			<0.00197	<0.00204	<0.00204	<0.00197		0.00247		<0.00202		<0.002		<0.002			
Herbicides					8151A	mg/kg															
Metals			NS	NS		NT	ND	NT	ND	NT	ND	NT	ND	NT	ND	NT	ND	ND			
Arsenic, Total	6010D	mg/kg	7	7			2.12		2.3		5.5		3.08		2.79		3.32				
Barium, Total	6010D		5500	10000			12.4		17.1		66.6		25.5		26		23.7				
Cadmium, Total	6010D		39	1000			<0.393		<0.403		1.12		<0.402		<0.41		<0.4				
Chromium, Total	6010D		NS	NS			2.75		4.31		7.91		7.34		6.57		6.07				
Copper, Total	6010D		3100	10000			6.95 G		10.4 G		49.9 G		58.8 G		2310 G		20.2 G				
Lead, Total	6010D		150	500			13.9 G		29.5 G		57.4 G		87.6 G		50.1 G		38.5 G				
Mercury, Total	7471B		23	610			<0.064		<0.065		0.157		0.101		0.082		<0.065				
Nickel, Total	6010D		1000	10000			2.59		4.21		11		6.35		6.23		6.17				
Selenium, Total	6010D		390	10000			<0.787		<0.806		<0.808		<0.804		2.43		<0.8				
Silver, Total	6010D		200	10000			<0.393		<0.403		<0.404		<0.402		<0.41		<0.4				
Zinc, Total	6010D		6000	10000			16.9		25.1		149		47.8		38.8		35.9				
General Chemistry																					
Solids, Total	2540G	%	NS	NS		97	97.3	95.6	96.4	95.6	96.6	96.8	97.6	94.9	95.9	96.3	97.1				

- General Notes:**
- In general, analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
 - "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.
 - Rhode Island Industrial/Commercial Direct Exposure Criteria are cited from Rules and Regulations for the investigation and Remediation of Hazardous Material Releases, as amended February 2004.
 - NS = No standard or criteria has been established for this analyte.
 - NT = The sample was not tested for this analyte.
 - ND = Not detected.
 - mg/kg = milligrams per kilogram.
 - Values highlighted in blue exceed Rhode Island Residential Direct Exposure Criteria.
 - Values highlighted in pink exceed Rhode Island Industrial/Commercial Direct Exposure Criteria.

- Qualifying Notes:**
- C+ The result has a high bias due to surrogate recovery above upper control limits.
 - G The result is estimated due to duplicate precision outside control limits.