Table 1: Summary of SR-10 Post-Excavation Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Name	Residential	Impact to	SR10-PE-35-031708	SR10-PE-01S	SR10-PE-02S	SR10-PE-03S	SR10-PE-04S	SR10-PE-05S	SR10-PE-06S	SR10-PE-07S	SR10-PE-08B	SR10-PE-09B	SR10-PE-10B	SR10-PER-04S	SR10-PER-05S	SR10-PER-07S	SR10-PER-08S
Sample Date	Direct Contact	Groundwater	3/17/2008	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	4/24/2007	4/24/2007	4/24/2007	4/24/2007
Validation Status	Soil Criteria	Soil Criteria	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs																	
1,1,1-Trichloroethane	210	50	NA	< 0.0042	< 0.0012	< 0.00095	< 0.00089	< 0.00084	< 0.00082	< 0.0013	< 0.00094	< 0.0013	< 0.0016	< 0.00059	< 0.0006	< 0.00055	< 0.0011
1,1,2,2-Tetrachloroethane	34	1	NA	< 0.0041	< 0.0012	< 0.00093	< 0.00086	< 0.00081	< 0.00079	< 0.0013	< 0.00091	< 0.0013	< 0.0016	< 0.00058	< 0.00058	< 0.00053	< 0.0011
1,1,2-Trichloroethane	22	1	NA	< 0.0038	< 0.0011	< 0.00086	< 0.0008	< 0.00076	< 0.00074	< 0.0012	< 0.00085	< 0.0012	< 0.0015	< 0.00054	< 0.00054	< 0.0005	< 0.001
1,1-Dichloroethane	570	10	NA	< 0.0034	< 0.00099	< 0.00077	< 0.00072	< 0.00068	< 0.00066	< 0.0011	< 0.00076	< 0.0011	< 0.0013	< 0.00048	< 0.00049	< 0.00044	< 0.00093
1,1-Dichloroethene	8	10	NA	< 0.0049	< 0.0014	< 0.0011	< 0.001	< 0.00097	< 0.00095	< 0.0015	< 0.0011	< 0.0015	< 0.0019	< 0.00069	< 0.0007	< 0.00064	< 0.0013
1,2,4-Trichlorobenzene	68	100	NA	< 0.0025	< 0.00073	< 0.00056	< 0.00052	< 0.0005	< 0.00048	< 0.00079	< 0.00056	< 0.00079	< 0.00095	< 0.00035	< 0.00036	< 0.00032	< 0.00068
1,2-Dibromo-3-Chloropropane (DBCP)	NS	NS	NA	< 0.015	< 0.0045	< 0.0035	< 0.0032	< 0.003	< 0.003	< 0.0048	< 0.0034	< 0.0048	< 0.0058	< 0.0022	< 0.0022	< 0.002	< 0.0042
1,2-Dibromoethane	NS	NS	NA	< 0.004	< 0.0012	< 0.00091	< 0.00085	< 0.0008	< 0.00078	< 0.0013	< 0.0009	< 0.0013	< 0.0015	< 0.00057	< 0.00057	< 0.00052	< 0.0011
1,2-Dichlorobenzene	5100	50	NA	< 0.0032	< 0.00094	< 0.00073	< 0.00068	< 0.00065	< 0.00063	< 0.001	< 0.00072	< 0.001	< 0.0012	< 0.00046	< 0.00046	< 0.00042	< 0.00088
1,2-Dichloroethane	6	1	NA	< 0.0039	< 0.0011	< 0.00088	< 0.00081	< 0.00077	< 0.00075	< 0.0012	< 0.00086	< 0.0012	< 0.0015	< 0.00054	< 0.00055	< 0.0005	< 0.0011
1,2-Dichloropropane	10	NS	NA	< 0.0039	< 0.0012	< 0.00089	< 0.00083	< 0.00079	< 0.00076	< 0.0012	< 0.00088	< 0.0012	< 0.0015	< 0.00056	< 0.00056	< 0.00051	< 0.0011
1,3-Dichlorobenzene	5100	100	NA	< 0.0035	< 0.001	< 0.00079	< 0.00073	< 0.00069	< 0.00067	< 0.0011	< 0.00078	< 0.0011	< 0.0013	< 0.00049	< 0.0005	< 0.00045	< 0.00095
1,4-Dichlorobenzene	570	100	NA	< 0.0033	< 0.00096	< 0.00074	< 0.00069	< 0.00065	< 0.00063	< 0.001	< 0.00073	< 0.001	< 0.0013	< 0.00046	< 0.00047	< 0.00043	< 0.00089
2-Butanone (MEK)	1000	50	NA	< 0.019	< 0.0057	< 0.0044	< 0.0041	< 0.0039	< 0.0038	< 0.0061	< 0.0043	< 0.0062	< 0.0074	< 0.0027	< 0.0028	< 0.0025	< 0.0053
2-Hexanone	NS	NS	NA	< 0.0097	< 0.0028	< 0.0022	< 0.002	< 0.0019	< 0.0019	< 0.0031	< 0.0022	< 0.0031	< 0.0037	< 0.0014	< 0.0014	< 0.0013	< 0.0026
4-methyl-2-pentanone (MIBK)	1000	50	NA	< 0.014	< 0.0041	< 0.0032	< 0.003	< 0.0028	< 0.0027	< 0.0045	< 0.0032	< 0.0045	< 0.0054	< 0.002	< 0.002	< 0.0018	< 0.0039
Acetone	1000	100	NA	< 0.02	0.136	0.13	< 0.0043	0.0675	0.0465	0.127	0.0566	0.0317	< 0.0078	< 0.0029	< 0.0029	< 0.0027	< 0.0055
Benzene	3	1	NA	< 0.0034	< 0.00099	< 0.00077	< 0.00072	< 0.00068	0.00076 J	< 0.0011	0.00099 J	0.0027	< 0.0013	< 0.00048	< 0.00049	< 0.00044	< 0.00093
Bromodichloromethane	11	1	NA	< 0.0033	< 0.00095	< 0.00074	< 0.00068	< 0.00065	< 0.00063	< 0.001	< 0.00073	< 0.001	< 0.0012	< 0.00046	< 0.00046	< 0.00042	< 0.00088
Bromoform	86	1	NA	< 0.0031	< 0.0009	< 0.0007	< 0.00065	< 0.00062	< 0.0006	< 0.00098	< 0.00069	< 0.00098	< 0.0012	< 0.00044	< 0.00044	< 0.0004	< 0.00084
Bromomethane	79	1	NA	< 0.0026	< 0.00077	< 0.0006	< 0.00055	< 0.00052	< 0.00051	< 0.00083	< 0.00059	< 0.00083	< 0.001	< 0.00037	< 0.00037	< 0.00034	< 0.00072
Carbon disulfide	NS	NS	NA	< 0.0039	< 0.0011	< 0.00089	< 0.00083	< 0.00078	< 0.00076	< 0.0012	< 0.00088	< 0.0012	< 0.0015	< 0.00055	< 0.00056	< 0.00051	< 0.0011
Carbon tetrachloride	2	1	NA	< 0.0068	< 0.002	< 0.0015	< 0.0014	< 0.0013	< 0.0013	< 0.0021	< 0.0015	< 0.0021	< 0.0026	< 0.00095	< 0.00096	< 0.00088	< 0.0018
Chlorobenzene	37	1	NA	< 0.0031	< 0.0009	< 0.0007	< 0.00065	< 0.00061	< 0.0006	< 0.00097	< 0.00069	< 0.00098	< 0.0012	< 0.00043	< 0.00044	< 0.0004	< 0.00084
Chloroethane	NS	NS	NA	< 0.012	< 0.0036	< 0.0028	< 0.0026	< 0.0025	< 0.0024	< 0.0039	< 0.0028	< 0.0039	< 0.0047	< 0.0017	< 0.0018	< 0.0016	< 0.0034
Chloroform	19	1	NA	< 0.0041	< 0.0012	< 0.00094	< 0.00087	< 0.00083	< 0.0008	< 0.0013	< 0.00093	< 0.0013	< 0.0016	< 0.00058	< 0.00059	< 0.00054	< 0.0011
Chloromethane	520	10	NA	< 0.0033	< 0.00096	< 0.00074	< 0.00069	< 0.00065	< 0.00064	< 0.001	< 0.00073	< 0.001	< 0.0013	< 0.00046	< 0.00047	< 0.00043	< 0.00089
cis-1,2-Dichloroethene	79	1	NA	< 0.0048	< 0.0014	< 0.0011	< 0.001	< 0.00095	< 0.00093	< 0.0015	< 0.0011	< 0.0015	< 0.0018	< 0.00067	< 0.00068	< 0.00062	< 0.0013
cis-1,3-Dichloropropene	4	1	NA	< 0.003	< 0.00086	< 0.00067	< 0.00062	< 0.00059	< 0.00057	< 0.00093	< 0.00066	< 0.00093	< 0.0011	< 0.00042	< 0.00042	< 0.00038	< 0.0008
Cyclohexane	NS	NS	NA	< 0.0091	< 0.0027	< 0.0021	< 0.0019	< 0.0018	< 0.0018	< 0.0029	< 0.002	< 0.0029	< 0.0035	< 0.0013	< 0.0013	< 0.0012	< 0.0025
Dibromochloromethane	110	1	NA	< 0.0039	< 0.0011	< 0.00089	< 0.00082	< 0.00078	< 0.00076	< 0.0012	< 0.00087	< 0.0012	< 0.0015	< 0.00055	< 0.00056	< 0.00051	< 0.0011
Dichlorodifluoromethane	NS	NS	NA	< 0.0057	< 0.0016	< 0.0013	< 0.0012	< 0.0011	< 0.0011	< 0.0018	< 0.0013	< 0.0018	< 0.0022	< 0.0008	< 0.00081	< 0.00074	< 0.0015
Ethylbenzene	1000	100	NA	< 0.0032	0.0027	0.0087	< 0.00067	0.0011 J	< 0.00062	< 0.001	0.0087	0.228	< 0.0012	< 0.00045	< 0.00046	< 0.00042	< 0.00087
Freon 113	NS	NS	NA	< 0.0061	< 0.0018	< 0.0014	< 0.0013	< 0.0012	< 0.0012	< 0.0019	< 0.0014	< 0.0019	< 0.0023	< 0.00086	0.0012 J	0.0011 J	0.0034 J
Isopropylbenzene	NS	NS	NA	< 0.0033	0.0022 J	< 0.00075	< 0.0007	< 0.00066	< 0.00064	< 0.001	< 0.00074	0.0089 J	< 0.0013	< 0.00047	< 0.00047	< 0.00043	< 0.0009
Methyl acetate	NS	NS	NA	< 0.01	< 0.0029	< 0.0023	< 0.0021	< 0.002	< 0.0019	< 0.0032	< 0.0022	< 0.0032	< 0.0038	< 0.0014	< 0.0014	< 0.0013	< 0.0027
Methyl tert butyl ether	NS	NS	NA	< 0.004	< 0.0012	< 0.0009	< 0.00084	< 0.00079	< 0.00077	< 0.0013	< 0.00089	< 0.0013	< 0.0015	< 0.00056	< 0.00057	< 0.00052	< 0.0011
Methylcyclohexane	NS	NS	NA	< 0.0046	< 0.0013	< 0.001	< 0.00096	< 0.00091	< 0.00089	< 0.0014	< 0.001	< 0.0015	< 0.0018	< 0.00065	< 0.00065	< 0.0006	< 0.0012
Methylene chloride	49	1	NA	< 0.0049	< 0.0014	< 0.0011	< 0.001	< 0.00098	< 0.00095	< 0.0016	< 0.0011	< 0.0016	< 0.0019	< 0.00069	0.0014 J	< 0.00064	< 0.0013
o-Xylene	NS	NS	NA	< 0.0035	0.002 J	0.0157	< 0.00074	0.0051	< 0.00068	< 0.0011	0.0192	0.208	< 0.0013	< 0.00049	< 0.0005	< 0.00046	< 0.00096
Styrene	23	100	NA	< 0.0023	< 0.00068	< 0.00053	< 0.00049	< 0.00046	< 0.00045	< 0.00074	< 0.00052	< 0.00074	< 0.00089	< 0.00033	< 0.00033	< 0.0003	< 0.00063
Tetrachloroethene	4	1	NA	< 0.0059	< 0.0017	< 0.0013	< 0.0012	< 0.0012	< 0.0011	< 0.0019	< 0.0013	< 0.0019	< 0.0022	< 0.00083	< 0.00084	< 0.00076	< 0.0016
Toluene	1000	500	NA	< 0.0039	0.0019 J	0.0025	< 0.00081	< 0.00077	< 0.00075	< 0.0012	0.003	0.158	< 0.0015	< 0.00054	< 0.00055	< 0.0005	< 0.0011
Trans-1,2-dichloroethene	1000	50	NA	< 0.0049	< 0.0014	< 0.0011	< 0.001	< 0.00097	< 0.00094	< 0.0015	< 0.0011	< 0.0015	< 0.0019	< 0.00069	< 0.00069	< 0.00063	< 0.0013
trans-1,3-Dichloropropene	4	1	NA	< 0.0028	< 0.00081	< 0.00063	< 0.00059	< 0.00056	< 0.00054	< 0.00088	< 0.00062	< 0.00088	< 0.0011	< 0.00039	< 0.0004	< 0.00036	< 0.00076
Trichloroethene	23	1	NA	< 0.0037	< 0.0011	< 0.00084	< 0.00078	< 0.00074	< 0.00072	< 0.0012	< 0.00083	< 0.0012	< 0.0014	< 0.00052	< 0.00053	< 0.00048	< 0.001
Trichlorofluoromethane	NS	NS	NA	< 0.0052	< 0.0015	< 0.0012	< 0.0011	< 0.001	< 0.001	< 0.0016	< 0.0012	< 0.0016	< 0.002	< 0.00073	< 0.00074	< 0.00068	< 0.0014
Vinyl Chloride	2	10	NA	< 0.0046	< 0.0013	< 0.001	< 0.00097	< 0.00092	< 0.00089	< 0.0015	< 0.001	< 0.0015	< 0.0018	< 0.00065	< 0.00066	< 0.0006	< 0.0013
Xylene, -m,p	NS	NS	NA	< 0.0063	0.008	0.0365	< 0.0013	0.0048	< 0.0012	< 0.002	0.0441	0.676	< 0.0024	< 0.00088	< 0.00089	< 0.00081	< 0.0017
Xylenes	410	67	NA	< 0.0035	0.0099	0.0522	< 0.00074	0.0099	< 0.00068	< 0.0011	0.0632	0.884	< 0.0013	< 0.00049	< 0.0005	< 0.00046	< 0.00096
Total TIC, Volatile	NS	NS	NA	0	0	0	0.012 J	0.011 J	0	0	0.014 J	0.249 J	0	0	0	0	0

Table 1: Summary of SR-10 Post-Excavation Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Name	Residential	Impact to	SR10-PE-35-031708	SR10-PE-01S	SR10-PE-02S	SR10-PE-03S	SR10-PE-04S	SR10-PE-05S	SR10-PE-06S	SR10-PE-07S	SR10-PE-08B	SR10-PE-09B	SR10-PE-10B	SR10-PER-04S	SR10-PER-05S	SR10-PER-07S	SR10-PER-08S
Sample Date	Direct Contact	Groundwater	3/17/2008	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	2/28/2007	4/24/2007	4/24/2007	4/24/2007	4/24/2007
Validation Status	Soil Criteria	Soil Criteria	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs																	
1,1'-Biphenyl	NS	NS	NA	< 0.048	< 0.027	< 0.022	< 0.02	< 0.021	< 0.019	< 0.028	< 0.02	< 0.028	< 0.018	< 0.018	< 0.018	< 0.019	< 0.017
2,4,5-Trichlorophenol	5600	50	NA	< 0.15	< 0.083	< 0.069	< 0.061	< 0.066	< 0.06	< 0.087	< 0.064	< 0.086	< 0.057	< 0.056	< 0.054	< 0.058	< 0.054
2,4,6-Trichlorophenol	62	10	NA	< 0.084	< 0.046	< 0.039	< 0.034	< 0.037	< 0.034	< 0.049	< 0.036	< 0.048	< 0.032	< 0.031	< 0.03	< 0.033	< 0.03
2,4-Dichlorophenol	170	10	NA	< 0.17	< 0.092	< 0.077	< 0.068	< 0.074	< 0.067	< 0.097	< 0.071	< 0.095	< 0.064	< 0.062	< 0.061	< 0.065	< 0.06
2,4-Dimethylphenol	1100	10	NA	< 0.26	< 0.14	< 0.12	< 0.1	< 0.11	< 0.1	< 0.15	< 0.11	< 0.15	< 0.097	< 0.096	< 0.093	< 0.099	< 0.092
2,4-Dinitrophenol	110	10	NA	< 0.15	< 0.084	< 0.07	< 0.062	< 0.067	< 0.061	< 0.088	< 0.065	< 0.087	< 0.058	< 0.057	< 0.055	< 0.059	< 0.055
2,4-Dinitrotoluene	1	10	NA	< 0.12	< 0.064	< 0.053	< 0.047	< 0.051	< 0.047	< 0.067	< 0.049	< 0.066	< 0.044	< 0.043	< 0.042	< 0.045	< 0.042
2,6-Dinitrotoluene	1	10	NA	< 0.11	< 0.063	< 0.052	< 0.046	< 0.05	< 0.046	< 0.066	< 0.048	< 0.065	< 0.043	< 0.043	< 0.041	< 0.044	< 0.041
2-Chloronaphthalene	NS	NS	NA	< 0.14	< 0.077	< 0.064	< 0.057	< 0.062	< 0.056	< 0.081	< 0.059	< 0.08	< 0.053	< 0.052	< 0.051	< 0.054	< 0.05
2-Chlorophenol	280	10	NA	< 0.085	< 0.047	< 0.039	< 0.035	< 0.038	< 0.034	< 0.05	< 0.036	< 0.049	< 0.033	< 0.032	< 0.031	< 0.033	< 0.031
2-Methylnaphthalene	NS	NS	NA	< 0.065	< 0.036	< 0.03	< 0.026	< 0.029	< 0.026	< 0.038	< 0.028	< 0.037	< 0.025	< 0.024	< 0.024	< 0.025	< 0.023
2-Methylphenol	2800	NS	NA	< 0.098	< 0.054	< 0.045	< 0.04	< 0.043	< 0.039	< 0.057	< 0.042	< 0.056	< 0.037	< 0.037	< 0.036	< 0.038	< 0.035
2-Nitroaniline	NS	NS	NA	< 0.063	< 0.035	< 0.029	< 0.026	< 0.028	< 0.025	< 0.037	< 0.027	< 0.036	< 0.024	< 0.024	< 0.023	< 0.024	< 0.023
2-Nitrophenol	NS	NS	NA	< 0.12	< 0.068	< 0.057	< 0.05	< 0.055	< 0.05	< 0.072	< 0.053	< 0.071	< 0.047	< 0.046	< 0.045	< 0.048	< 0.045
3&4-Methylphenol	NS	NS	NA	< 0.14	< 0.079	< 0.066	< 0.058	< 0.063	< 0.057	< 0.083	< 0.061	< 0.082	< 0.054	< 0.053	< 0.052	< 0.055	< 0.051
3,3'-Dichlorobenzidine	2	100	NA	< 0.095	< 0.052	< 0.044	< 0.039	< 0.042	< 0.038	< 0.055	< 0.04	< 0.054	< 0.036	< 0.036	< 0.035	< 0.037	< 0.034
3-Nitroaniline	NS	NS	NA	< 0.077	< 0.043	< 0.036	< 0.032	< 0.034	< 0.031	< 0.045	< 0.033	< 0.044	< 0.029	< 0.029	< 0.028	< 0.03	< 0.028
4,6-Dinitro-2-methylphenol	NS	NS	NA	< 0.087	< 0.048	< 0.04	< 0.035	< 0.038	< 0.035	< 0.051	< 0.037	< 0.05	< 0.033	< 0.032	< 0.032	< 0.034	< 0.031
4-Bromophenyl phenyl ether	NS	NS	NA	< 0.051	< 0.028	< 0.023	< 0.021	< 0.022	< 0.02	< 0.03	< 0.022	< 0.029	< 0.019	< 0.019	< 0.018	< 0.02	< 0.018
4-Chloro-3-Methylphenol	10000	100	NA	< 0.13	< 0.07	< 0.058	< 0.052	< 0.056	< 0.051	< 0.074	< 0.054	< 0.072	< 0.048	< 0.047	< 0.046	< 0.049	< 0.046
4-Chloroaniline	230	NS	NA	< 0.062	< 0.034	< 0.028	< 0.025	< 0.027	< 0.025	< 0.036	< 0.026	< 0.035	< 0.024	< 0.023	< 0.023	< 0.024	< 0.022
4-Chlorophenyl phenyl ether	NS	NS	NA	< 0.047	< 0.026	< 0.022	< 0.019	< 0.021	< 0.019	< 0.027	< 0.02	< 0.027	< 0.018	< 0.018	< 0.017	< 0.018	< 0.017
4-Nitroaniline	NS	NS	NA	< 0.069	< 0.038	< 0.032	< 0.028	< 0.03	< 0.028	< 0.04	< 0.029	< 0.039	< 0.026	< 0.026	< 0.025	< 0.027	< 0.025
4-Nitrophenol	NS	NS	NA	< 0.14	< 0.075	< 0.062	< 0.055	< 0.06	< 0.055	< 0.079	< 0.058	< 0.078	< 0.052	< 0.051	< 0.049	< 0.053	< 0.049
Acenaphthene	3400	100	NA	< 0.051	< 0.028	< 0.023	< 0.021	< 0.023	< 0.021	< 0.03	< 0.022	< 0.029	< 0.019	< 0.019	< 0.019	< 0.02	< 0.018
Acenaphthylene	NS	NS	NA	< 0.04	< 0.022	< 0.019	< 0.016	< 0.018	< 0.016	< 0.024	< 0.017	< 0.023	< 0.015	< 0.015	< 0.015	< 0.016	< 0.015
Acetophenone	NS	NS	NA	0.223 J	< 0.035	< 0.029	< 0.026	< 0.028	< 0.025	< 0.037	< 0.027	< 0.036	< 0.024	< 0.024	< 0.023	< 0.024	< 0.023
Anthracene	10000	100	NA	0.0747 J	< 0.021	0.0939	< 0.016	< 0.017	< 0.016	< 0.022	< 0.016	< 0.022	< 0.015	< 0.014	< 0.014	< 0.015	0.0385 J
Atrazine	NS	NS	NA	< 0.086	< 0.048	< 0.04	< 0.035	< 0.038	< 0.035	< 0.05	< 0.037	< 0.049	< 0.033	< 0.032	< 0.031	< 0.033	< 0.031
Benzaldehyde	NS	NS	NA	< 0.11	< 0.061	< 0.051	< 0.045	< 0.049	< 0.044	< 0.064	< 0.047	< 0.063	< 0.042	< 0.041	< 0.04	< 0.043	< 0.04
Benzo(a)anthracene	0.9	500	NA	0.101 J	0.0398 J	0.566	< 0.02	0.035 J	0.0229 J	0.0473 J	0.0346 J	0.034 J	0.0537 J	< 0.018	0.0471 J	< 0.019	0.729
Benzo(a)pyrene	0.66	100	NA	< 0.035	0.0472 J	0.582	< 0.014	0.0342 J	< 0.014	0.049 J	0.0247 J	< 0.02	0.0534 J	< 0.013	0.057 J	< 0.013	0.466
Benzo(b)fluoranthene	0.9	50	NA	< 0.046	0.0654 J	0.815	< 0.019	< 0.02	< 0.018	0.0715 J	< 0.019	< 0.026	0.0747 J	< 0.017	0.0421 J	< 0.018	0.161
Benzo(g,h,i)perylene	NS	NS	NA	< 0.055	< 0.03	0.418	< 0.022	0.0326 J	< 0.022	0.0375 J	0.0453 J	< 0.031	0.0959	< 0.02	0.0681 J	< 0.021	0.228
Benzo(k)fluoranthene	0.9	500	NA	< 0.075	0.0557 J	0.439	< 0.031	< 0.033	< 0.03	< 0.044	< 0.032	< 0.043	0.0477 J	< 0.028	0.0322 J	< 0.029	0.0674 J
Benzyl butyl phthalate	1100	100	NA	< 0.075	< 0.042	< 0.035	< 0.031	< 0.033	< 0.03	< 0.044	< 0.032	< 0.043	< 0.029	< 0.028	< 0.027	< 0.029	< 0.027
bis(2-Chloroethoxy)methane	NS	NS	NA	< 0.064	< 0.035	< 0.03	< 0.026	< 0.028	< 0.026	< 0.037	< 0.027	< 0.037	< 0.025	< 0.024	< 0.023	< 0.025	< 0.023
bis(2-Chloroethyl)ether	0.66	10	NA	< 0.05	< 0.027	< 0.023	< 0.02	< 0.022	< 0.02	< 0.029	< 0.021	< 0.028	< 0.019	< 0.019	< 0.018	< 0.019	< 0.018
bis(2-Chloroisopropyl)ether	2300	10	NA	< 0.075	< 0.041	< 0.034	< 0.03	< 0.033	< 0.03	< 0.044	< 0.032	< 0.043	< 0.029	< 0.028	< 0.027	< 0.029	< 0.027
bis(2-Ethylhexyl)phthalate	49	100	NA	6.58	< 0.07 J	< 0.059	1.36	0.29 J	< 0.051	< 0.074 J	0.499 J	3.48	1.89	0.151	0.298	0.0621 J	0.376
Caprolactam	NS	NS	NA	< 0.096	< 0.053	< 0.044	< 0.039	< 0.043	< 0.039	< 0.056	< 0.041	< 0.055	< 0.037	< 0.036	< 0.035	< 0.037	< 0.035
Carbazole	NS	NS	NA	< 0.04	< 0.022	0.0502 J	< 0.016	< 0.018	< 0.016	< 0.023	< 0.017	< 0.023	< 0.015	< 0.015	< 0.015	< 0.016	0.0194 J
Chrysene	9	500	NA	0.101 J	0.065 J	0.671	< 0.015	0.0494 J	0.0276 J	0.0674 J	0.0578 J	0.0414 J	0.0809	< 0.014	0.0565 J	< 0.014	0.987
Dibenzo(a,h)anthracene	0.66	100	NA	< 0.052	< 0.029	0.162	< 0.021	< 0.023	< 0.021	< 0.03	< 0.022	< 0.03	0.0223 J	< 0.02	< 0.019	< 0.02	0.0691 J
Dibenzofuran	NS	NS	NA	< 0.046	< 0.026	0.025 J	< 0.019	< 0.021	< 0.019	< 0.027	< 0.02	< 0.027	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017
Diethyl phthalate	10000	50	NA	< 0.043	< 0.024	< 0.02	< 0.017	< 0.019	< 0.017	< 0.025	< 0.018	< 0.024	< 0.016	< 0.016	< 0.016	< 0.017	< 0.015
Dimethyl phthalate	10000	50	NA	< 0.043	< 0.024	< 0.02	< 0.017	< 0.019	< 0.017	< 0.025	< 0.018	< 0.024	< 0.016	< 0.016	< 0.016	< 0.017	< 0.015
di-n-butyl phthalate	5700	100	NA	< 0.063	< 0.035	< 0.029	< 0.026	< 0.028	< 0.026	< 0.037	< 0.027	< 0.036	< 0.024	< 0.024	< 0.023	< 0.025	< 0.023
di-n-octylphthalate	1100	100	NA	< 0.085	< 0.047	< 0.039	< 0.035	< 0.038	< 0.034	< 0.05	< 0.036	< 0.049	0.791	< 0.032	< 0.031	< 0.033	< 0.031
Fluoranthene	2300	100	NA	0.182 J	0.0793 J	0.897	< 0.014	0.0606 J	0.0343 J	0.0966 J	0.0414 J	0.044 J	0.0538 J	0.0204 J	0.0612 J	0.017 J	0.148
Fluorene	2300	100	NA	< 0.04	< 0.022	0.0205 J	< 0.016	< 0.018	< 0.016	< 0.023	< 0.017	< 0.023	< 0.015	< 0.015	< 0.015	< 0.016	< 0.014
Hexachlorobenzene	0.66	100	NA	< 0.057	< 0.032	< 0.026	< 0.023	< 0.025	< 0.023	< 0.033	< 0.024	< 0.033	< 0.022	< 0.021	< 0.021	< 0.022	< 0.021
Hexachlorobutadiene	1	100	NA	< 0.066	< 0.036	< 0.03	< 0.027	< 0.029	< 0.026	< 0.038	< 0.028	< 0.038	< 0.025	< 0.025	< 0.024	< 0.026	< 0.024
Hexachlorocyclopentadiene	400	100	NA	< 0.072	< 0.039	< 0.033	< 0.029	< 0.032	< 0.029	< 0.042	< 0.03	< 0.041	< 0.027	< 0.027	< 0.026	< 0.028	< 0.026
Hexachloroethane	6	100	NA	< 0.05	< 0.028	< 0.023	< 0.02	< 0.022	< 0.02	< 0.029	< 0.021	< 0.029	< 0.019	< 0.019	< 0.018	< 0.019	< 0.018
Indeno(1,2,3-cd)pyrene	0.9	500	NA	< 0.063	< 0.035	0.341	< 0.026	< 0.028	< 0.025	< 0.037	0.027 J	< 0.036	0.0597 J	< 0.024	0.033 J	< 0.025	0.0837
Isophrone	1100	50	NA	< 0.05	< 0.027	< 0.023	< 0.02	< 0.022	< 0.02	< 0.029	< 0.021	< 0.028	< 0.019	< 0.019	< 0.018	< 0.019	< 0.018
Naphthalene	230	100	NA	< 0.056	< 0.031	< 0.026	< 0.023	< 0.025	< 0.023	< 0.033	0.0451 J	< 0.032	0.0367 J	< 0.021	< 0.02	< 0.022	< 0.02
Nitrobenzene	28	50	NA	< 0.07	< 0.038	< 0.032	< 0.028	< 0.031	< 0.028	< 0.04	< 0.03	< 0.04	< 0.027	< 0.026	< 0.025	< 0.027	< 0.025
N-Nitroso-di-n-Propylamine	0.66	10	NA	< 0.064	< 0.035	< 0.029	< 0.026	< 0.028	< 0.026	< 0.037	< 0.027	< 0.037	< 0.024	< 0.024	< 0.023	< 0.025	< 0.023
N-Nitrosodiphenylamine	140	1000	NA	< 0.041	< 0.023	< 0.019	< 0.017	< 0.018	< 0.017	< 0.024	< 0.017	< 0.024	< 0.016	< 0.015	< 0.015	< 0.016	< 0.015
Pentachlorophenol	6	100	NA	< 0.11	< 0.062	< 0.051	< 0.046	< 0.049	< 0.045	< 0.065	< 0.048	< 0.064	< 0.043	< 0.042	< 0.041	< 0.043	< 0.04
Phenanthrene	NS	NS	NA	< 0.044	0.0513 J	0.315	< 0.018	0.0549 J	0.0204 J	0.051 J	0.0331 J	0.05 J	0.0484 J	< 0.016	0.0186 J	< 0.017	0.538
Phenol	10000	50	NA	< 0.12	< 0.068	< 0.057	< 0.05	< 0.055	< 0.05	< 0.072	< 0.053	< 0.071	< 0.047	< 0.046	< 0.045	< 0.048	< 0.045
Pyrene	1700	100	NA	0.179 J	0.0644 J	0.773	< 0.014	0.0638 J	0.0422 J	0.0816 J	0.0571 J	0.0388 J	0.0607 J	0.0193 J	0.0724 J	0.0196 J	0.97
Total TIC, Semi-Volatile	NS	NS	NA	14.11 J	0	0.83 J	0.91 J	0.27 J	0.17 J	1 J	3.4 J	0.28 J	3.48 J	2.78 J	8.85 J	6.7 J	15.21 J
PCBs																	
PCB 1016	0.49	50	NA	< 0.019	< 0.011	< 0.0088	< 0.0078	< 0.0084	< 0.0077	< 0.011	< 0.008	< 0.011	< 0.0072	< 0.0071	< 0.0069	< 0.0074	< 0.0068

Table 1: Summary of SR-10 Post-Excavation Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Name	Residential	Impact to	SR10-PE-35-031708	SR10-PE-01S	SR10-PE-02S	SR10-PE-03S	SR10-PE-04S	SR10-PE-05S	SR10-PE-06S	SR10-PE-07S	SR10-PE-08B	SR10-PE-09B	SR10-PE-10B	SR10-PER-04S	SR10-PER-05S	SR10-PER-07S	SR10-PER-08S
Sample Date	**Direct Contact**	**Groundwater**	**3/17/2008**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**2/28/2007**	**4/24/2007**	**4/24/2007**	**4/24/2007**	**4/24/2007**
Validation Status	**Soil Criteria**	**Soil Criteria**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**	**Final**
PCB 1221	0.49	50	NA	< 0.06	< 0.033	< 0.028	< 0.025	< 0.027	< 0.024	< 0.035	< 0.025	< 0.034	< 0.023	< 0.022	< 0.022	< 0.023	< 0.022
PCB 1232	0.49	50	NA	< 0.054	< 0.03	< 0.025	< 0.022	< 0.024	< 0.022	< 0.032	< 0.023	< 0.031	< 0.021	< 0.02	< 0.02	< 0.021	< 0.019
PCB 1242	0.49	50	NA	< 0.032	< 0.018	< 0.015	< 0.013	< 0.014	< 0.013	< 0.018	< 0.013	< 0.018	**0.526**	< 0.012	< 0.012	< 0.012	< 0.011
PCB 1248	0.49	50	NA	< 0.034	< 0.019	< 0.016	< 0.014	< 0.015	< 0.014	0.0948	0.322	0.164	< 0.013	< 0.013	< 0.013	< 0.013	< 0.012
PCB 1254	0.49	50	NA	< 0.047	< 0.026	< 0.022	< 0.019	< 0.021	< 0.019	< 0.028	0.239	< 0.027	**0.573**	< 0.018	< 0.017	< 0.018	< 0.017
PCB 1260	0.49	50	NA	< 0.02	< 0.011	< 0.0093	**1.01**	0.101	< 0.0082	< 0.012	0.103	< 0.011	0.0953	0.31	0.0919	0.228	0.0525
Total PCBs	0.49	50	NA	0	0	0	**1.01**	0.101	0	0.0948	**0.664**	0.164	**1.1943**	0.31	0.0919	0.228	0.0525
Metals																	
Aluminum	NS	NS	NA	13700 J	14000 J	10800 J	9910 J	14900 J	5420 J	9090 J	12200 J	11600 J	9880 J	12600 J	14300 J	17100 J	11200 J
Antimony	14	NS	< 0.29 J	7.3 J	< 1.2 J	< 0.97 J	< 0.87 J	10.9 J	< 0.85 J	13.1 J	13.8 J	13.4 J	5.3 J	< 4 J	< 3.9 J	< 0.84 J	3.9 J
Arsenic	20	NS	NA	14	4.6	3.6	7.5	9.2	3.8	8.4	7.3	11.6	5.7	9.1 B	10.4 B	4.4	10.2
Barium	700	NS	77.4	145	62.3	59.7	136	**742**	68.2	599	**8080**	**2260**	**1100**	74.4 BJ	497 J	71.1 J	391 J
Beryllium	2	NS	NA	0.97 B	0.71 B	0.41 B	0.82	0.9	0.52 B	0.58 B	0.66	0.93	0.63	0.44 B	0.15 B	0.43 B	0.28 B
Cadmium	39	NS	NA	< 0.41	0.25 B	< 0.19	2	1.6	0.36 B	2.2	3	4.2	3	0.84 B	< 0.77	0.19 B	2.2
Calcium	NS	NS	NA	3890 J	2330 J	1180 J	7210 J	5350 J	3840 J	3920 J	3770 J	5820 J	4350 J	8320	10600	3420	3540
Chromium	240	NS	NA	80.3	19.8	15.4	25.9	36.8	10	46.1	219	132	35.3	26	29.6	19.7	46.6
Cobalt	NS	NS	NA	13.9 B	6 B	3.6 B	8.8	12	5.8 B	9.2	10.3	9.5	7.7	13.1 B	12.1 B	8.1	11.2
Copper	600	NS	NA	156 J	25.1 J	20 J	47 J	44.8 J	16.7 J	104 J	73.2 J	210 J	40.3 J	33.8 J	42.2 J	21.9 J	112 J
Iron	NS	NS	NA	109000 J	18500 J	15600 J	29000 J	31500 J	11100 J	89500 J	24400 J	56500 J	20600 J	36600	33000	22800	42900
Lead	400	NS	22.7 J	285 J	45.6 J	45.3 J	172 J	**465 J**	61 J	244 J	**1210 J**	**1080 J**	295 J	84 J	255 J	23.8 J	254 J
Magnesium	NS	NS	NA	2070 J	2300 J	1350 J	3400 J	5120 J	4530 J	2060 J	3310 J	3500 J	2870 J	4770	4470	3150	3110
Manganese	NS	NS	NA	434	172	114	361	386	197	805	329	388	294	363 J	372 J	216 J	344 J
Mercury	14	NS	NA	2.5	0.45	0.22	0.077	0.085	0.084	0.24	0.14	0.17	0.22	0.16	0.13	0.099	0.13
Nickel	250	NS	NA	77.1	14.7	14.6	23.7	26.3	6.9	31.7	36.8	41.8	19.2	24.1	21.4 B	17.2	31.3
Potassium	NS	NS	NA	886 B	555 B	342 B	820	2620	334 B	664 B	910	882	766	903 BJ	1130 BJ	803 J	745 J
Selenium	63	NS	NA	2.7 B	< 1.3	< 1	< 0.9	< 1	< 0.88	3.2 B	2 B	< 1.3	< 0.85	< 4.1	< 4.1	< 0.88	< 0.83
Silver	110	NS	NA	< 0.44	< 0.26	< 0.2	0.89 BJ	0.84 BJ	< 0.18	6.1 J	0.25 BJ	1.9	1.2 J	< 0.83	< 0.82	< 0.18	0.88 B
Sodium	NS	NS	NA	< 220	< 130	< 100	< 91	246 BJ	108 BJ	144 BJ	210 BJ	192 BJ	170 BJ	< 420	< 410	< 88	< 84
Thallium	2	NS	NA	< 2.3	< 1.4	< 1.1	< 0.96	< 1.1	< 0.94	< 1.5	< 5.1	< 1.4	< 0.9	< 4.4	< 4.4	< 4.7	< 0.89
Thallium - 6020	2	NS	NA	< 0.56	NA	NA	NA	NA	NA	NA	< 0.24	NA	NA	NA	NA	NA	NA
Vanadium	370	NS	NA	28.3 J	44.9 J	27.1 J	48.5 J	89.7 J	14.8 J	21.6 J	30.5 J	29.2 J	30.5 J	68.9	55.4	40.9	36.4
Zinc	1500	NS	NA	317 J	91.6 J	81.7 J	959 J	461 J	68.7 J	**3050 J**	639 J	810 J	303 J	490 J	310 J	86.4 J	863 J
Other																	
Total Petroleum Hydrocarbons (TPH)	NS	NS	NA	676 J	84 J	52.4 J	326 J	1020 J	129 J	206 J	165 J	1980 J	254 J	113	257	< 29	460
Solids, Percent	NS	NS	80.6	33.4	60.2	72.1	81.4	75	82.4	57	78.5	58.4	87.6	89	91.2	85.5	92.1

Results are reported in milligrams per kilogram (mg/kg), except for trip blanks and field blanks which are in milligrams per liter (mg/l).

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Analyte found in associated method blank.
J	Estimated result.
SVOC	Semi-volatile organic compound.
VOC	Volatile organic compound.
	Value is above the Impact to Groundwater Soil Cleanup Criteria threshold value.
Bold	Value is above the Residential Direct Contact Soil Cleanup Criteria threshold value.

Table 1: Summary of SR-10 Post-Excavation Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Name	Residential	Impact to	SR10-PER-09B	SR10-PER-10B	SR10-PER-10B-070532	SR10-PER-10B-070702	FIELD BLANK 070228	FIELDBLANK 070424	FIELDBLANK070523	TRIP BLANK 070228	TRIPBLANK 070424	TRIPBLANK070523
Sample Date	Direct Contact	Groundwater	4/24/2007	4/24/2007	5/23/2007	7/2/2007	2/28/2007	4/24/2007	5/23/2007	2/28/2007	4/24/2007	5/23/2007
Validation Status	Soil Criteria	Soil Criteria	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
VOCs												
1,1,1-Trichloroethane	210	50	< 0.00059	< 0.00052	< 0.00087	NA	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028
1,1,2,2-Tetrachloroethane	34	1	< 0.00057	< 0.00051	< 0.00085	NA	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028
1,1,2-Trichloroethane	22	1	< 0.00053	< 0.00047	< 0.00079	NA	< 0.00032	< 0.00032	< 0.00032	< 0.00032	< 0.00032	< 0.00032
1,1-Dichloroethane	570	10	< 0.00048	< 0.00042	< 0.00071	NA	< 0.00023	< 0.00023	< 0.00023	< 0.00023	< 0.00023	< 0.00023
1,1-Dichloroethene	8	10	< 0.00068	< 0.00061	< 0.001	NA	< 0.00033	< 0.00033	< 0.00033	< 0.00033	< 0.00033	< 0.00033
1,2,4-Trichlorobenzene	68	100	< 0.00035	< 0.00031	< 0.00052	NA	< 0.00016	< 0.00016	< 0.00016	< 0.00016	< 0.00016	< 0.00016
1,2-Dibromo-3-Chloropropane (DBCP)	NS	NS	< 0.0021	< 0.0019	< 0.0032	NA	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
1,2-Dibromoethane	NS	NS	< 0.00056	< 0.0005	< 0.00083	NA	< 0.00052	< 0.00052	< 0.00052	< 0.00052	< 0.00052	< 0.00052
1,2-Dichlorobenzene	5100	50	< 0.00045	< 0.0004	< 0.00067	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
1,2-Dichloroethane	6	1	< 0.00054	< 0.00048	< 0.0008	NA	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029
1,2-Dichloropropane	10	NS	< 0.00055	< 0.00049	< 0.00082	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
1,3-Dichlorobenzene	5100	100	< 0.00049	< 0.00043	< 0.00072	NA	< 0.00032	< 0.00032	< 0.00032	< 0.00032	< 0.00032	< 0.00032
1,4-Dichlorobenzene	570	100	< 0.00046	< 0.00041	< 0.00068	NA	< 0.00024	< 0.00024	< 0.00024	< 0.00024	< 0.00024	< 0.00024
2-Butanone (MEK)	1000	50	< 0.0027	< 0.0024	< 0.004	NA	< 0.0026	< 0.0026	< 0.0026	< 0.0026	< 0.0026	< 0.0026
2-Hexanone	NS	NS	< 0.0014	< 0.0012	< 0.002	NA	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013
4-methyl-2-pentanone (MIBK)	1000	50	< 0.002	< 0.0018	< 0.0029	NA	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
Acetone	1000	100	< 0.0028	< 0.0025	< 0.0042	NA	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024
Benzene	3	1	< 0.00048	0.00065 J	< 0.00071	NA	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021
Bromodichloromethane	11	1	< 0.00045	< 0.0004	< 0.00067	NA	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017	< 0.00017
Bromoform	86	1	< 0.00043	< 0.00038	< 0.00064	NA	< 0.00054	< 0.00054	< 0.00054	< 0.00054	< 0.00054	< 0.00054
Bromomethane	79	1	< 0.00037	< 0.00033	< 0.00054	NA	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
Carbon disulfide	NS	NS	< 0.00055	< 0.00049	< 0.00081	NA	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021
Carbon tetrachloride	2	1	< 0.00095	< 0.00084	< 0.0014	NA	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029
Chlorobenzene	37	1	< 0.00043	< 0.00038	< 0.00064	NA	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
Chloroethane	NS	NS	< 0.0017	< 0.0015	< 0.0026	NA	< 0.00056	< 0.00056	< 0.00056	< 0.00056	< 0.00056	< 0.00056
Chloroform	19	1	< 0.00058	< 0.00052	< 0.00086	NA	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022
Chloromethane	520	10	< 0.00046	< 0.00041	< 0.00068	NA	< 0.00035	< 0.00035	< 0.00035	< 0.00035	< 0.00035	< 0.00035
cis-1,2-Dichloroethene	79	1	< 0.00067	< 0.00059	< 0.00099	NA	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
cis-1,3-Dichloropropene	4	1	< 0.00041	< 0.00037	< 0.00061	NA	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015
Cyclohexane	NS	NS	< 0.0013	< 0.0011	< 0.0019	NA	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Dibromochloromethane	110	1	< 0.00055	< 0.00049	< 0.00081	NA	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019	< 0.00019
Dichlorodifluoromethane	NS	NS	< 0.00079	< 0.0007	< 0.0012	NA	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
Ethylbenzene	1000	100	< 0.00045	< 0.0004	< 0.00066	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Freon 113	NS	NS	0.0014 J	0.0011 J	0.003 J	NA	< 0.00069	< 0.00069	< 0.00069	< 0.00069	< 0.00069	< 0.00069
Isopropylbenzene	NS	NS	< 0.00046	< 0.00041	< 0.00069	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Methyl acetate	NS	NS	< 0.0014	< 0.0012	< 0.0021	NA	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021
Methyl tert butyl ether	NS	NS	< 0.00056	< 0.0005	< 0.00082	NA	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
Methylcyclohexane	NS	NS	< 0.00064	< 0.00057	< 0.00095	NA	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Methylene chloride	49	1	< 0.00069	< 0.00061	< 0.001	NA	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027	< 0.00027
o-Xylene	NS	NS	< 0.00049	< 0.00044	< 0.00073	NA	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
Styrene	23	100	< 0.00033	< 0.00029	< 0.00048	NA	< 0.00016	< 0.00016	< 0.00016	< 0.00016	< 0.00016	< 0.00016
Tetrachloroethene	4	1	< 0.00082	< 0.00073	< 0.0012	NA	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028	< 0.00028
Toluene	1000	500	< 0.00054	< 0.00048	< 0.0008	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Trans-1,2-dichloroethene	1000	50	< 0.00068	< 0.0006	< 0.001	NA	< 0.00042	< 0.00042	< 0.00042	< 0.00042	< 0.00042	< 0.00042
trans-1,3-Dichloropropene	4	1	< 0.00039	< 0.00035	< 0.00058	NA	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Trichloroethene	23	1	< 0.00052	< 0.00046	< 0.00077	NA	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029
Trichlorofluoromethane	NS	NS	< 0.00072	< 0.00064	< 0.0011	NA	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Vinyl Chloride	2	10	< 0.00064	< 0.00057	< 0.00095	NA	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029	< 0.00029
Xylene, -m,p	NS	NS	< 0.00087	< 0.00078	< 0.0013	NA	< 0.00042	< 0.00042	< 0.00042	< 0.00042	< 0.00042	< 0.00042
Xylenes	410	67	< 0.00049	< 0.00044	< 0.00073	NA	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031	< 0.00031
Total TIC, Volatile	NS	NS	0	0	0	NA	0	0	0	0	0	0

Table 1: Summary of SR-10 Post-Excavation Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Name	Residential	Impact to	SR10-PER-09B	SR10-PER-10B	SR10-PER-10B-070532	SR10-PER-10B-070702	FIELD BLANK 070228	FIELDBLANK 070424	FIELDBLANK070523	TRIP BLANK 070228	TRIPBLANK 070424	TRIPBLANK070523
Sample Date	Direct Contact	Groundwater	4/24/2007	4/24/2007	5/23/2007	7/2/2007	2/28/2007	4/24/2007	5/23/2007	2/28/2007	4/24/2007	5/23/2007
Validation Status	Soil Criteria	Soil Criteria	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
SVOCs												
1,1'-Biphenyl	NS	NS	< 0.019	0.0198 J	< 0.018	NA	< 0.00033	< 0.00036	< 0.00034	NA	NA	NA
2,4,5-Trichlorophenol	5600	50	< 0.058	< 0.057	< 0.056	NA	< 0.0019	< 0.0021	< 0.002	NA	NA	NA
2,4,6-Trichlorophenol	62	10	< 0.033	< 0.032	< 0.031	NA	< 0.0013	< 0.0014	< 0.0013	NA	NA	NA
2,4-Dichlorophenol	170	10	< 0.065	< 0.063	< 0.062	NA	< 0.0016	< 0.0017	< 0.0016	NA	NA	NA
2,4-Dimethylphenol	1100	10	< 0.099	< 0.096	< 0.095	NA	< 0.0016	< 0.0018	< 0.0017	NA	NA	NA
2,4-Dinitrophenol	110	10	< 0.059	< 0.057	< 0.056	NA	< 0.00089	< 0.00097	< 0.00094	NA	NA	NA
2,4-Dinitrotoluene	1	10	< 0.045	< 0.044	< 0.043	NA	< 0.00086	< 0.00093	< 0.00091	NA	NA	NA
2,6-Dinitrotoluene	1	10	< 0.044	< 0.043	< 0.042	NA	< 0.00056	< 0.00061	< 0.00059	NA	NA	NA
2-Chloronaphthalene	NS	NS	< 0.054	< 0.053	< 0.052	NA	< 0.00098	< 0.0011	< 0.001	NA	NA	NA
2-Chlorophenol	280	10	< 0.033	< 0.032	< 0.032	NA	< 0.00095	< 0.001	< 0.001	NA	NA	NA
2-Methylnaphthalene	NS	NS	< 0.025	< 0.025	< 0.024	NA	< 0.00041	< 0.00044	< 0.00043	NA	NA	NA
2-Methylphenol	2800	NS	< 0.038	< 0.037	< 0.036	NA	< 0.0014	< 0.0015	< 0.0014	NA	NA	NA
2-Nitroaniline	NS	NS	< 0.025	< 0.024	< 0.023	NA	< 0.00066	< 0.00072	< 0.0007	NA	NA	NA
2-Nitrophenol	NS	NS	< 0.048	< 0.047	< 0.046	NA	< 0.0018	< 0.002	< 0.0019	NA	NA	NA
3&4-Methylphenol	NS	NS	< 0.055	< 0.054	< 0.053	NA	< 0.0013	< 0.0014	< 0.0013	NA	NA	NA
3,3'-Dichlorobenzidine	2	100	< 0.037	< 0.036	< 0.035	NA	< 0.0012	< 0.0013	< 0.0013	NA	NA	NA
3-Nitroaniline	NS	NS	< 0.03	< 0.029	< 0.029	NA	< 0.0013	< 0.0014	< 0.0013	NA	NA	NA
4,6-Dinitro-2-methylphenol	NS	NS	< 0.034	< 0.033	< 0.032	NA	< 0.00072	< 0.00078	< 0.00076	NA	NA	NA
4-Bromophenyl phenyl ether	NS	NS	< 0.02	< 0.019	< 0.019	NA	< 0.0003	< 0.00033	< 0.00031	NA	NA	NA
4-Chloro-3-Methylphenol	10000	100	< 0.049	< 0.048	< 0.047	NA	< 0.0012	< 0.0013	< 0.0012	NA	NA	NA
4-Chloroaniline	230	NS	< 0.024	< 0.023	< 0.023	NA	< 0.0004	< 0.00043	< 0.00042	NA	NA	NA
4-Chlorophenyl phenyl ether	NS	NS	< 0.018	< 0.018	< 0.017	NA	< 0.00043	< 0.00047	< 0.00045	NA	NA	NA
4-Nitroaniline	NS	NS	< 0.027	< 0.026	< 0.026	NA	< 0.00072	< 0.00078	< 0.00076	NA	NA	NA
4-Nitrophenol	NS	NS	< 0.053	< 0.051	< 0.05	NA	< 0.00084	< 0.00092	< 0.00089	NA	NA	NA
Acenaphthene	3400	100	< 0.02	< 0.019	< 0.019	NA	< 0.00035	< 0.00038	< 0.00037	NA	NA	NA
Acenaphthylene	NS	NS	< 0.016	< 0.015	< 0.015	NA	< 0.00038	< 0.00041	< 0.0004	NA	NA	NA
Acetophenone	NS	NS	< 0.024	< 0.024	< 0.023	NA	< 0.00037	< 0.00041	< 0.00039	NA	NA	NA
Anthracene	10000	100	0.0154 J	< 0.015	0.0313 J	NA	< 0.0004	< 0.00043	< 0.00042	NA	NA	NA
Atrazine	NS	NS	< 0.034	< 0.033	< 0.032	NA	< 0.00016	< 0.00018	< 0.00017	NA	NA	NA
Benzaldehyde	NS	NS	< 0.043	< 0.041	< 0.041	NA	< 0.00027	< 0.00029	< 0.00028	NA	NA	NA
Benzo(a)anthracene	0.9	500	0.0481 J	0.0404 J	0.0974	NA	< 0.00036	< 0.00039	< 0.00037	NA	NA	NA
Benzo(a)pyrene	0.66	100	0.0397 J	0.0352 J	0.0842	NA	< 0.00037	< 0.0004	< 0.00039	NA	NA	NA
Benzo(b)fluoranthene	0.9	50	0.0548 J	0.0486 J	0.115	NA	< 0.00059	< 0.00064	< 0.00062	NA	NA	NA
Benzo(g,h,i)perylene	NS	NS	0.0479 J	0.049 J	0.0881	NA	< 0.00042	< 0.00046	< 0.00044	NA	NA	NA
Benzo(k)fluoranthene	0.9	500	0.0378 J	0.0285 J	0.076	NA	< 0.00042	< 0.00046	< 0.00044	NA	NA	NA
Benzyl butyl phthalate	1100	100	< 0.029	< 0.028	< 0.028	NA	< 0.00059	< 0.00064	< 0.00062	NA	NA	NA
bis(2-Chloroethoxy)methane	NS	NS	< 0.025	< 0.024	< 0.024	NA	< 0.00065	< 0.00071	< 0.00069	NA	NA	NA
bis(2-Chloroethyl)ether	0.66	10	< 0.019	< 0.019	< 0.018	NA	< 0.00053	< 0.00058	< 0.00056	NA	NA	NA
bis(2-Chloroisopropyl)ether	2300	10	< 0.029	< 0.028	< 0.028	NA	< 0.00074	< 0.0008	< 0.00078	NA	NA	NA
bis(2-Ethylhexyl)phthalate	49	100	0.147	1.01	0.684 J	NA	0.0014 JB	< 0.00072	0.0012 BJ	NA	NA	NA
Caprolactam	NS	NS	< 0.037	< 0.036	< 0.036	NA	< 0.00032	< 0.00034	< 0.00033	NA	NA	NA
Carbazole	NS	NS	< 0.016	< 0.015	< 0.015	NA	< 0.00036	< 0.0004	< 0.00038	NA	NA	NA
Chrysene	9	500	0.0615 J	0.0718 J	0.131	NA	< 0.00025	< 0.00027	< 0.00026	NA	NA	NA
Dibenzo(a,h)anthracene	0.66	100	< 0.02	< 0.02	< 0.019	NA	< 0.00054	< 0.00059	< 0.00057	NA	NA	NA
Dibenzofuran	NS	NS	< 0.018	< 0.018	< 0.017	NA	< 0.00034	< 0.00037	< 0.00036	NA	NA	NA
Diethyl phthalate	10000	50	< 0.017	< 0.016	< 0.016	NA	< 0.00039	< 0.00042	< 0.00041	NA	NA	NA
Dimethyl phthalate	10000	50	< 0.017	< 0.016	< 0.016	NA	< 0.00033	< 0.00036	< 0.00035	NA	NA	NA
di-n-butyl phthalate	5700	100	< 0.025	< 0.024	< 0.024	NA	< 0.00059	< 0.00064	< 0.00062	NA	NA	NA
di-n-octylphthalate	1100	100	< 0.033	< 0.032	< 0.032	NA	< 0.00057	< 0.00062	< 0.0006	NA	NA	NA
Fluoranthene	2300	100	0.0537 J	0.0388 J	0.201	NA	< 0.00025	< 0.00027	< 0.00026	NA	NA	NA
Fluorene	2300	100	< 0.016	< 0.015	0.031 J	NA	< 0.00045	< 0.00049	< 0.00047	NA	NA	NA
Hexachlorobenzene	0.66	100	< 0.022	< 0.022	< 0.021	NA	< 0.00054	< 0.00058	< 0.00057	NA	NA	NA
Hexachlorobutadiene	1	100	< 0.026	< 0.025	< 0.024	NA	< 0.00018	< 0.00019	< 0.00018	NA	NA	NA
Hexachlorocyclopentadiene	400	100	< 0.028	< 0.027	< 0.027	NA	< 0.00041	< 0.00044	< 0.00043	NA	NA	NA
Hexachloroethane	6	100	< 0.019	< 0.019	< 0.019	NA	< 0.00028	< 0.00031	< 0.0003	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.9	500	0.0377 J	0.031 J	0.0677 J	NA	< 0.0003	< 0.00033	< 0.00032	NA	NA	NA
Isophrone	1100	50	< 0.019	< 0.019	< 0.018	NA	< 0.00059	< 0.00064	< 0.00062	NA	NA	NA
Naphthalene	230	100	< 0.022	0.043 J	< 0.021	NA	< 0.00032	< 0.00035	< 0.00034	NA	NA	NA
Nitrobenzene	28	50	< 0.027	< 0.026	< 0.026	NA	< 0.00042	< 0.00046	< 0.00044	NA	NA	NA
N-Nitroso-di-n-Propylamine	0.66	10	< 0.025	< 0.024	< 0.024	NA	< 0.00047	< 0.00051	< 0.00049	NA	NA	NA
N-Nitrosodiphenylamine	140	1000	< 0.016	< 0.016	< 0.015	NA	< 0.00052	< 0.00056	< 0.00054	NA	NA	NA
Pentachlorophenol	6	100	< 0.043	< 0.042	< 0.042	NA	< 0.0019	< 0.0021	< 0.002	NA	NA	NA
Phenanthrene	NS	NS	0.0349 J	0.0417 J	0.195	NA	< 0.00036	< 0.00039	< 0.00038	NA	NA	NA
Phenol	10000	50	< 0.048	< 0.047	< 0.046	NA	< 0.0005	< 0.00054	< 0.00052	NA	NA	NA
Pyrene	1700	100	0.0599 J	0.0718 J	0.186	NA	< 0.00034	< 0.00036	< 0.00035	NA	NA	NA
Total TIC, Semi-Volatile	NS	NS	1.03 J	16.96 J	9.06 J	NA	0	0	0	NA	NA	NA
PCBs												
PCB 1016	0.49	50	< 0.0074	< 0.007	< 0.0071	NA	< 0.000094	< 0.0001	< 0.0001	NA	NA	NA

Table 1: Summary of SR-10 Post-Excavation Results, Ringwood Mines/Landfill Site, Ringwood, New Jersey

Sample Name	Residential	Impact to	SR10-PER-09B	SR10-PER-10B	SR10-PER-10B-070532	SR10-PER-10B-070702	FIELD BLANK 070228	FIELDBLANK 070424	FIELDBLANK070523	TRIP BLANK 070228	TRIPBLANK 070424	TRIPBLANK070523
Sample Date	Direct Contact	Groundwater	4/24/2007	4/24/2007	5/23/2007	7/2/2007	2/28/2007	4/24/2007	5/23/2007	2/28/2007	4/24/2007	5/23/2007
Validation Status	Soil Criteria	Soil Criteria	Final	Final	Final	Final	Final	Final	Final	Final	Final	Final
PCB 1221	0.49	50	< 0.023	< 0.022	< 0.022	NA	< 0.00047	< 0.0005	< 0.00052	NA	NA	NA
PCB 1232	0.49	50	< 0.021	< 0.02	< 0.02	NA	< 0.00039	< 0.00041	< 0.00043	NA	NA	NA
PCB 1242	0.49	50	< 0.012	**0.502**	< 0.012	NA	< 0.00016	< 0.00017	< 0.00018	NA	NA	NA
PCB 1248	0.49	50	< 0.013	< 0.013	0.214	NA	< 0.00015	< 0.00016	< 0.00017	NA	NA	NA
PCB 1254	0.49	50	0.13	0.214	0.113	NA	< 0.00011	< 0.00012	< 0.00012	NA	NA	NA
PCB 1260	0.49	50	0.159	0.134	0.0782	NA	< 0.00012	< 0.00012	< 0.00013	NA	NA	NA
Total PCBs	0.49	50	0.289	**0.85**	0.4052	NA	0	0	0	NA	NA	NA
Metals												
Aluminum	NS	NS	12100 J	14100 J	13100 J	NA	< 0.023	< 0.023	< 0.023	NA	NA	NA
Antimony	14	NS	2 BJ	9.9 BJ	4.6 BJ	NA	< 0.005	< 0.005	< 0.005	NA	NA	NA
Arsenic	20	NS	8.5	17.4	**24.5**	3.6	< 0.0045	< 0.0045	< 0.0045	NA	NA	NA
Barium	700	NS	395 J	**770 J**	**2030**	43.5 J	0.0024 B	< 0.0023	< 0.0023	NA	NA	NA
Beryllium	2	NS	0.38 B	0.15 B	0.27 B	NA	< 0.0004	< 0.0004	< 0.0004	NA	NA	NA
Cadmium	39	NS	1.1	2.9	3.4	NA	< 0.0013	< 0.0013	< 0.0013	NA	NA	NA
Calcium	NS	NS	10300	14500	24000 J	NA	0.153 B	< 0.049	< 0.049	NA	NA	NA
Chromium	240	NS	28.1	54.6	47.4	NA	< 0.0008	< 0.0008	< 0.0008	NA	NA	NA
Cobalt	NS	NS	9.6	14.1 B	11.7 B	NA	< 0.0018	< 0.0018	< 0.0018	NA	NA	NA
Copper	600	NS	44.7 J	54.6 J	58.4	NA	< 0.0027	< 0.0027	< 0.0027	NA	NA	NA
Iron	NS	NS	26100	35400	35300	NA	< 0.025	< 0.025	< 0.025	NA	NA	NA
Lead	400	NS	213 J	**429 J**	389 J	NA	< 0.0028	< 0.0028	< 0.0028	NA	NA	NA
Magnesium	NS	NS	5560	5360	3260	NA	< 0.014	< 0.014	< 0.014	NA	NA	NA
Manganese	NS	NS	309 J	400 J	361	NA	< 0.0006	0.0021 B	< 0.0006	NA	NA	NA
Mercury	14	NS	0.29	0.29	0.28	NA	0.000075 B	< 0.000037	< 0.000037	NA	NA	NA
Nickel	250	NS	20.4	26.6	26.3	NA	< 0.0028	< 0.0028	< 0.0028	NA	NA	NA
Potassium	NS	NS	1090 J	1100 BJ	1050 B	NA	< 0.055	< 0.055	0.147 B	NA	NA	NA
Selenium	63	NS	< 0.86	< 4.3	< 4.1	NA	< 0.0062	< 0.0062	< 0.0062	NA	NA	NA
Silver	110	NS	< 0.17	< 0.87	3.4 B	NA	0.0014 B	< 0.001	< 0.001	NA	NA	NA
Sodium	NS	NS	< 87	< 440	412 BJ	NA	0.85 B	0.842 BJ	0.851 B	NA	NA	NA
Thallium	2	NS	0.98 B	< 4.6	< 4.4	NA	< 0.0098	< 0.0098	< 0.0098	NA	NA	NA
Thallium - 6020	2	NS	NA	NA	< 0.11	NA	NA	NA	NA	NA	NA	NA
Vanadium	370	NS	41.6	59.2	46.6	NA	0.002 B	< 0.0018	< 0.0018	NA	NA	NA
Zinc	1500	NS	495 J	393 J	569 J	NA	0.0083 B	0.0108 B	0.0096 B	NA	NA	NA
Other												
Total Petroleum Hydrocarbons (TPH)	NS	NS	127	126	89.1 J	NA	< 0.51	< 0.51	< 0.55	NA	NA	NA
Solids, Percent	NS	NS	85.1	88.2	89.2	91.9	NA	NA	NA	NA	NA	NA

Results are reported in milligrams per kilogram (mg/kg), except for trip blanks

<	Not detected.
NA	Not analyzed.
NS	No standard.
B	Analyte found in associated method blank.
J	Estimated result.
SVOC	Semi-volatile organic compound.
VOC	Volatile organic compound.
	Value is above the Impact to Groundwater Soil Cleanup Criteria thr
Bold	Value is above the Residential Direct Contact Soil Cleanup Criteria