

**O'Brien, Maura (ECY)**

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**From:** Kate Snider [mailto:Kate.Snider@floydsnider.com]

**Sent:** Tuesday, February 28, 2012 4:55 PM

**To:** Trejo, Barbara (DOH); O'Brien, Maura (ECY)

**Cc:** Wang, Ching-Pi (ECY); Gary Sergeant

**Subject:** Kenmore Industrial Park - stockpiled soil and surface soil sampling

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DEPT OF ECOLOGY  
TCP - NWRO

Barbara and Maura –

In December 2010, soil samples were collected from existing soil stockpiles and from ground surface locations within the most actively used portions of the property. These samples were collected to support the development of appropriate materials handling procedures for Pioneer Towing site maintenance and repair activities.

These samples were collected on December 17, 2010 in general accordance with the guidelines set forth in Washington State Model Toxics Control Act (MTCA) WAC 173-340-820 for stockpile sampling. At each testing location, 3-4 discrete samples were collected in an equally spaced distribution, and composited to produce the sample that was sent to the ARI, the laboratory used for the analysis.

Attached here is a document that provides a map showing the sampling locations, and two data tables: Table 1 includes the stockpile sampling results, and Table 2 includes the sampling results from ground surface locations. MTCA A and MTCA C Industrial Soil Cleanup Levels are included in the tables. For SVOCs, VOCs and pesticides, the tables only present those compounds which were detected in at least one sample. Notes below the table list other compounds which were analyzed but not detected in any samples.

As you will see, all analytical results are in compliance with applicable cleanup levels for continued industrial use.

**Kate Snider, PE Principal**

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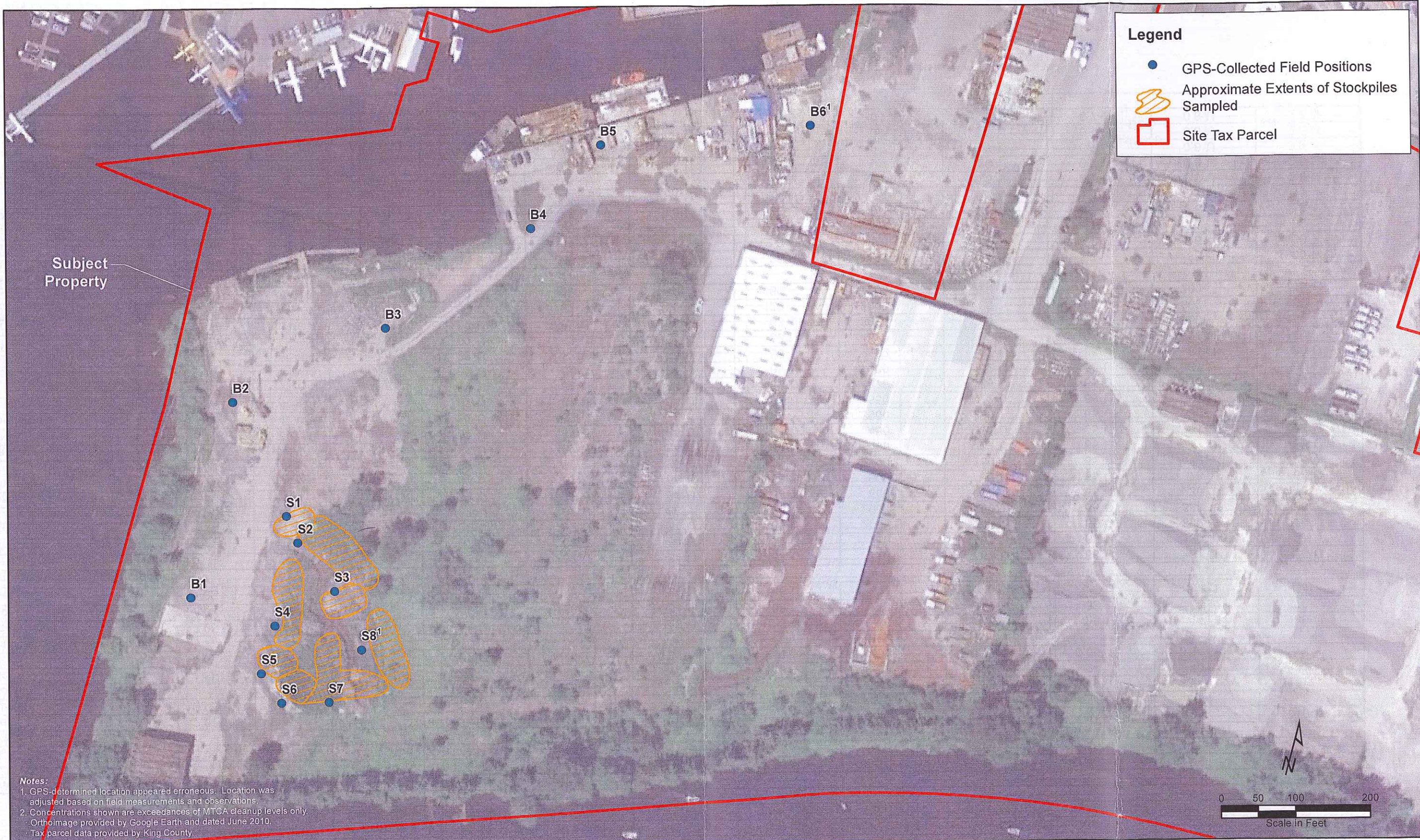
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**Legend**

- GPS-Collected Field Positions
- 🌀 Approximate Extents of Stockpiles Sampled
- 📐 Site Tax Parcel



**Notes:**  
 1. GPS-determined location appeared erroneous. Location was adjusted based on field measurements and observations.  
 2. Concentrations shown are exceedances of MTCA cleanup levels only. Orthoimage provided by Google Earth and dated June 2010.  
 Tax parcel data provided by King County.

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**Kenmore Industrial Park  
 Stockpile and Baseline Soil Sampling  
 Kenmore, Washington**

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Sample Location Map

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Table 1  
Stockpile Soil Sampling Analytical Results

Parameter	MTCA A Industrial Cleanup Level	MTCA C Industrial Cleanup Level	Station	S1	S2	S3	S3	S4	S5	S6	S7	S8
			Sample ID	KM-S1-1	KM-S2-1	KM-S3-1	KM-S3-2	KM-S4-1	KM-S5-1	KM-S6-1	KM-S7-1	KM-S8-1
			Sample Date	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010
			Units									
<b>Conventionals</b>												
Total Solids	NA	NA	%	90.00	70.30	88.60	87.50	83.10	83.20	82.40	81.40	35.60
Total Organic Carbon	NA	NA	%	0.785	5.18	1.12	0.891	3.76	3.28	1.36	2.97	27.4
<b>Metals</b>												
Arsenic	2.0E+01	8.8E+01	mg/kg	5 U	11	5 U	5 U	11	8	8	9	10 U
Cadmium	2.0E+00	3.5E+03	mg/kg	0.2 U	0.3	0.3	0.3	0.3	0.3	0.2 U	0.3	0.6
Chromium	NA	NA	mg/kg	10.9	32.3	27.5	25.7	34.2	33.8	33.9	33.4	32
Lead	1.0E+03	NA	mg/kg	2.7	36	12	13	39	59	24	40	40
Mercury	2.0E+00	1.1E+03	mg/kg	0.02 U	0.10	0.04	0.04	0.09	0.19	0.05	0.14	0.14
<b>Total Petroleum Hydrocarbons</b>												
Diesel Range	2.0E+03	NA	mg/kg	7.4 U	17	9.0	5.6 U	36	40	8.3	14	140 U
Motor Oil Range	2.0E+03	NA	mg/kg	15 U	130	54	38	210	150	53	83	570
Gasoline Range <sup>1</sup>	1.0E+02	NA	mg/kg	3.9 U	5.9 U	3.4 U	3.8 U	7.8	4.5 U	4.5 U	5.2 U	31
<b>Semivolatile Organic Compounds<sup>2</sup></b>												
Acenaphthene	NA	2.1E+08	µg/kg	62 U	62 U	64 U	63 U	710	62 U	65 U	61 U	66 U
Anthracene	NA	1.1E+09	µg/kg	62 U	62 U	64 U	63 U	980	62 U	65 U	130	97
Benzo(a)anthracene	NA	NA	µg/kg	62 U	62 U	64 U	63 U	2000	140	65 U	380	270
Benzo(a)pyrene	2.0E+03	1.8E+04	µg/kg	62 U	62 U	86	78	2000	180	65 U	380	230
Benzo(g,h,i)perylene	NA	NA	µg/kg	62 U	62 U	64 U	63 U	800	92	65 U	230	110
Carbazole	NA	6.6E+06	µg/kg	62 U	62 U	64 U	63 U	600	62 U	65 U	78	66 U
Chrysene	NA	NA	µg/kg	62 U	72	90	82	2100	180	65 U	410	460
Dibenz(a,h)anthracene	NA	NA	µg/kg	62 U	62 U	64 U	63 U	98	62 U	65 U	61 U	66 U
Dibenzofuran	NA	7.0E+06	µg/kg	62 U	62 U	64 U	63 U	460	62 U	65 U	61 U	66 U
Fluoranthene	NA	1.4E+08	µg/kg	62 U	62 U	120	100	3900	250	65 U	680	530
Fluorene	NA	1.4E+08	µg/kg	62 U	62 U	64 U	63 U	650	62 U	65 U	61 U	66 U
Indeno(1,2,3-c,d)pyrene	NA	NA	µg/kg	62 U	62 U	64 U	63 U	870	89	65 U	210	120
1-Methylnaphthalene	NA	NA	µg/kg	62 U	62 U	64 U	63 U	100	62 U	65 U	61 U	66 U
2-Methylnaphthalene	NA	1.4E+07	µg/kg	62 U	62 U	64 U	63 U	150	62 U	65 U	61 U	66 U
Naphthalene	5.0E+03	7.0E+07	µg/kg	62 U	62 U	64 U	63 U	680	62 U	65 U	61 U	140
Phenanthrene	NA	NA	µg/kg	62 U	62 U	65 U	63 U	3088	130	65 U	500	150
Pyrene	NA	1.1E+08	µg/kg	62 U	62 U	130	120	2900	220	65 U	600	480
Benzofluoranthenes	NA	NA	µg/kg	62 U	110	180	160	4000	370	85	700	710
<b>Volatile Organic Compounds<sup>2</sup></b>												
Acetone	NA	3.5E+08	µg/kg	20 BM	230 BM	46 BM	38 BM	99 M	54 B	2.4	88	1200 M
2-Butanone	NA	2.1E+09	µg/kg	3.0 U	14	3.1	2.8 U	8.8	4.7	3.7 U	5.6	100
Carbon Disulfide	NA	3.5E+08	µg/kg	1.3	3.0	58	38	1.2	1.8	27 B	1.1	63
4-Isopropyltoluene	NA	NA	µg/kg	0.6 U	0.8 U	0.5 U	0.6 U	0.7 U	0.6 U	0.7 U	0.8 U	2.8
Methylene Chloride	2.0E+01	1.8E+07	µg/kg	1.2 U	4.3	1.1 U	1.1 U	1.4 U	1.3 U	1.5 U	1.6	11
Benzene	3.0E+01	2.4E+06	µg/kg	0.6 U	0.8 U	0.5 U	0.6 U	0.7 U	0.6 U	0.7 U	0.8 U	2.8 U
Ethylbenzene	6.0E+03	3.5E+08	µg/kg	0.6 U	0.8 U	0.5 U	0.6 U	0.7 U	0.6 U	0.7 U	0.8 U	2.8 U
Toluene	7.0E+03	2.8E+08	µg/kg	0.6 U	0.9	0.5 U	0.6 U	0.7 U	0.6 U	0.7 U	0.8 U	3.9
m,p-Xylene	9.0E+03	7.0E+08	µg/kg	0.6 U	0.8 U	0.5 U	0.6 U	0.7 U	0.6 U	0.7 U	0.8 U	2.8 U
o-Xylene	9.0E+03	7.0E+08	µg/kg	0.6 U	0.8 U	0.5 U	0.6 U	0.7 U	0.6 U	0.7 U	0.8 U	2.8 U

Table 2  
Baseline Soil Sampling Analytical Results

Parameter	MTCA A Industrial Cleanup Level	MTCA C Industrial Cleanup Level	Station	B-1	B-2	B-3	B-4	B-5	B-6
			Sample ID	KM-B1-1	KM-B2-1	KM-B3-1	KM-B4-1	KM-B5-1	KM-B6-1
			Sample Date	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010
			Units						
<b>Conventionals</b>									
Total Solids	NA	NA	%	79.60	77.80	80.60	77.30	79.20	92.30
Total Organic Carbon	NA	NA	%	2.33	4.37	3.08	1.74	2.52	0.785
<b>Metals</b>									
Arsenic	2.0E+01	8.8E+01	mg/kg	11	20 U	9	8	10 U	10 U
Cadmium	2.0E+00	3.5E+03	mg/kg	0.4	0.7 U	0.3	0.4	1.1	0.5 U
Chromium	NA	NA	mg/kg	33.3	43	37.6	33.6	48	44
Lead	1.0E+03	NA	mg/kg	56	37	46	23	56	16
Mercury	2.0E+00	1.1E+03	mg/kg	0.07	0.06	0.07	0.04	0.03	0.03 U
<b>Total Petroleum Hydrocarbons</b>									
Diesel Range	2.0E+03	NA	mg/kg	18	69	23	25	300	37
Motor Oil Range	2.0E+03	NA	mg/kg	91	400	92	120	1500	220
Gasoline Range <sup>1</sup>	1.0E+02	NA	mg/kg	4.2 U	5.9 U	4.6 U	4.8 U	4.2 U	2.5 U
<b>Semivolatile Organic Compounds<sup>2</sup></b>									
Anthracene	NA	1.1E+09	µg/kg	77	64	65 U	63 U	79	60 U
Benzo(a)anthracene	NA	NA	µg/kg	200	160	82	94	360	69
Benzo(a)pyrene	2.0E+03	1.8E+04	µg/kg	190	200	110	100	400	74
Benzo(g,h,i)perylene	NA	NA	µg/kg	110	150	81	70	220	60 U
Chrysene	NA	NA	µg/kg	330	360	140	160	550	140
Dimethylphthalate	NA	3.5E+09	µg/kg	63 U	61 U	65 U	63 U	61 U	460
Fluoranthene	NA	1.4E+08	µg/kg	530	390	160	190	1000	180
Indeno(1,2,3-c,d)pyrene	NA	NA	µg/kg	110	150	75	64	200	60 U
Phenanthrene	NA	NA	µg/kg	190	220	120	110	420	97
Pyrene	NA	1.1E+08	µg/kg	460	320	150	170	940	140
Benzo(a)fluoranthenes	NA	NA	µg/kg	460	610	260	270	990	230
<b>Volatile Organic Compounds<sup>2</sup></b>									
Acetone	NA	3.5E+08	µg/kg	71 M	110 M	64 M	30 M	56 M	24 M
2-Butanone	NA	2.1E+09	µg/kg	7.9	9.5	5.0	5.2	9.8	4.3
Carbon Disulfide	NA	3.5E+08	µg/kg	4.4	6.5	4.0	2.7	1.4	0.8
4-Isopropyltoluene	NA	NA	µg/kg	0.6 U	0.7 U	0.5 U	0.7 U	0.6 U	0.5 U
Methylene Chloride	2.0E+01	1.8E+07	µg/kg	1.2 U	1.3 U	1.1 U	2.2 M	1.1 U	1.1
Benzene	3.0E+01	2.4E+06	µg/kg	0.6 U	0.7 U	0.5 U	0.7 U	0.6 U	0.5 U
Ethylbenzene	6.0E+03	3.5E+08	µg/kg	0.6 U	0.7 U	0.5 U	0.7 U	0.6 U	0.5 U
Toluene	7.0E+03	2.8E+08	µg/kg	0.6 U	0.7 U	0.8	0.7 U	0.6 U	0.5 U
m,p-Xylene	9.0E+03	7.0E+08	µg/kg	0.6 U	0.7 U	0.5 U	0.7 U	0.6 U	0.5 U
o-Xylene	9.0E+03	7.0E+08	µg/kg	0.6 U	0.7 U	0.5 U	0.7 U	0.6 U	0.5 U
<b>Polychlorinated Biphenyls (PCBs)</b>									
Aroclor 1016	NA	2.5E+05	µg/kg	32 U	32 U	32 U	33 U	32 U	31 U
Aroclor 1242	NA	NA	µg/kg	32 U	32 U	32 U	33 U	32 U	31 U
Aroclor 1248	NA	NA	µg/kg	32 U	32 U	32 U	33 U	32 U	31 U
Aroclor 1254	NA	7.0E+04	µg/kg	32 U	32 U	32 U	33 U	32 U	31 U
Aroclor 1260	NA	NA	µg/kg	32 U	32 U	32 U	33 U	160 U	31 U
Aroclor 1221	NA	NA	µg/kg	32 U	32 U	160 U	33 U	32 U	31 U
Aroclor 1232	NA	NA	µg/kg	32 U	32 U	32 U	33 U	32 U	31 U

Parameter	MTCA A	MTCA C	Station	S1	S2	S3	S3	S4	S5	S6	S7	S8
	Industrial	Industrial	Sample ID	KM-S1-1	KM-S2-1	KM-S3-1	KM-S3-2	KM-S4-1	KM-S5-1	KM-S6-1	KM-S7-1	KM-S8-1
	Cleanup	Cleanup	Sample Date	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010
	Level	Level	Units									
<b>Polychlorinated Biphenyls (PCBs)</b>												
Aroclor 1016	NA	2.5E+05	µg/kg	33 U	32 U	33 U	32 U	31 U	33 U	31 U	32 U	33 U
Aroclor 1242	NA	NA	µg/kg	33 U	32 U	33 U	32 U	31 U	33 U	31 U	32 U	33 U
Aroclor 1248	NA	NA	µg/kg	33 U	32 U	33 U	32 U	31 U	33 U	31 U	32 U	33 U
Aroclor 1254	NA	7.0E+04	µg/kg	33 U	32 U	33 U	32 U	31 U	33 U	31 U	32 U	33 U
Aroclor 1260	NA	NA	µg/kg	33 U	32 U	33 U	32 U	31 U	100 U	31 U	32 U	49 U
Aroclor 1221	NA	NA	µg/kg	33 U	32 U	33 U	32 U	31 U	33 U	31 U	32 U	33 U
Aroclor 1232	NA	NA	µg/kg	33 U	32 U	33 U	32 U	31 U	33 U	31 U	32 U	33 U
<b>Pesticides<sup>2</sup></b>												
Dieldrin	NA	8.2E+03	µg/kg	3.3 U	3.2	3.3 U	3.2 U	14 P	3.3 U	1.6 U	1.6 U	3.3 U
4,4'-DDT	4.0E+03	3.9E+05	µg/kg	3.3 U	3.2 U	3.3 U	3.2 U	5.1	3.3 U	3.1	3.1	3.3 U

Notes:

- 1 Gasoline range total petroleum hydrocarbon cleanup presented without benzene and the total of ethyl benzene, toluene, and xylene less than 1% of the gasoline mixture as these compounds were not detected.
- 2 Pesticide, SVOC and VOC analytes are presented that were detected in at least one sample, with the exception that all BETX analytes are presented. Additional analytes that were not detected in any soil samples are not presented in the above table, but are listed below.

Qualifiers:

- J The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.
- U Undetected.
- B Analyte detected in an associated Method Blank at a concentration greater than one-half of lab's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.
- M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters.
- P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% relative difference with no obvious chromatographic interference.

The following additional compounds were analyzed, but not detected in any samples:

SVOCs: 1,2,4-Trichlorobenzene	4-Methylphenol	VOCs: 1,1,1,2-Tetrachloroethane	4-Chlorotoluene	n-Butylbenzene	Pesticides: 4,4'-DDD
1,2-Dichlorobenzene	4-Nitroaniline	1,1,1-Trichloroethane	4-Methyl-2-Pentanone	n-Propylbenzene	4,4'-DDE
1,3-Dichlorobenzene	4-Nitrophenol	1,1,2,2-Tetrachloroethane	Acrylonitrile	sec-Butylbenzene	Aldrin
1,4-Dichlorobenzene	Acenaphthylene	1,1,2-Trichloro-1,1,2-trifluoroethane	Arcolein	Styrene	alpha-BHC
2,2'-Oxybis(1-Chloropropane)	Benzoic Acid	1,1,2-Trichloroethane	Bromobenzene	tert-Butylbenzene	beta-BHC
2,4,5-Trichlorophenol	Benzyl Alcohol	1,1-Dichloroethane	Bromochloromethane	Tetrachloroethene	cis-Clordane
2,4,6-Trichlorophenol	bis(2-Chloroethoxy)methane	1,1-Dichloroethene	Bromodichloromethane	trans-1,2-Dichloroethene	delta-BHC
2,4-Dichlorophenol	bis-(2-Chloroethyl) Ether	1,1-Dichloropropene	Bromoethane	trans-1,3-Dichloropropene	Endosulfan I
2,4-Dimethylphenol	bis(2-Ethylhexyl)phthalate	1,2,3-Trichlorobenzene	Bromoform	trans-1,4-Dichloro-2-butene	Endosulfan II
2,4-Dinitrophenol	Butylbenzylphthalate	1,2,3-Trichloropropene	Bromomethane	Trichloroethene	Endosulfan Sulfate
2,4-Dinitrotoluene	Diethylphthalate	1,2,4-Trichlorobenzene	Carbon Tetrachloride	Trichlorofluoromethane	Endrin
2,6-Dinitrotoluene	Dimethylphthalate	1,2,4-Trimethylbenzene	Chlorobenzene	Vinyl Acetate	Endrin Aldehyde
2-Chlorophenol	di-n-Butylphthalate	1,2-Dibromo-3-chloropropane	Chloroethane	Vinyl Chloride	Endrin Ketone
2-Chloronaphthalene	Di-n-octylphthalate	1,2-Dichlorobenzene	Chloroform		gamma-BHC (Lindane)
2-Methylphenol	Hexachlorobenzene	1,2-Dichloroethane	Chloromethane		Heptachlor
2-Nitroaniline	Hexachlorobutadiene	1,2-Dichloropropene	cis-1,2-Dichloroethene		Heptachlor Epoxide
2-Nitrophenol	Hexachlorocyclopentadiene	1,3,5-Trimethylbenzene	cis-1,3-Dichloropropene		Methoxychlor
3,3'-Dichlorobenzidine	Hexachloroethane	1,3-Dichlorobenzene	Dibromochloromethane		Toxaphene
3-Nitroaniline	Isophorone	1,3-Dichloropropene	Dibromomethane		trans-Chlordane
4,6-Dinitro-2-methylphenol	Nitrobenzene	1,4-Dichlorobenzene	Ethylene Dibromide		
4-Bromophenyl-phenylether	N-Nitroso-di-N-Propylamine	2,2-Dichloropropene	Hexachlorobutadiene		
4-Chloro-3-methylphenol	n-Nitrosodiphenylamine	2-Chloroethylvinylether	Isopropylbenzene		
4-Chloroaniline	Pentachlorophenol	2-Chlorotoluene	Methyl Iodide		
4-Chlorophenyl-phenylether	Phenol	2-Hexanone	Naphthalene		

Parameter	MTCA A Industrial Cleanup Level	MTCA C Industrial Cleanup Level	Station	B-1	B-2	B-3	B-4	B-5	B-6
			Sample ID	KM-B1-1	KM-B2-1	KM-B3-1	KM-B4-1	KM-B5-1	KM-B6-1
			Sample Date	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010	12/17/2010
			Units						
<b>Pesticides<sup>2</sup></b>									
Dieldrin	NA	8.2E+03	µg/kg	3.2 U	3.2 U	3.2 U	3.3 U	3.2 U	3.1 U
4,4'-DDD	4.0E+03	3.9E+05	µg/kg	3.2 U	3.2 U	3.2 U	3.3 U	3.2 U	3.1 U

Notes:

- 1 Gasoline range total petroleum hydrocarbon cleanup presented without benzene and the total of ethyl benzene, toluene, and xylene less than 1% of the gasoline mixture as these compounds were not detected.
- 2 Pesticide, SVOC and VOC analytes are presented that were detected in at least one sample, with the exception that all BETX analytes are presented. Additional analytes that were not detected in any soil samples are not presented in the above table, but are listed below.

Qualifiers:

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- B Analyte detected in an associated Method Blank at a concentration greater than one-half of lab's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.
- M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters.

The following additional compounds were analyzed, but not detected in any samples:

SVOCs: 1,2,4-Trichlorobenzene  
 1,2-Dichlorobenzene  
 1,3-Dichlorobenzene  
 1,4-Dichlorobenzene  
 1-Methylnaphthalene  
 2,2'-Oxybix(1-Chloropropane)  
 2,4,5-Trichlorophenol  
 2,4,6-Trichlorophenol  
 2,4-Dichlorophenol  
 2,4-Dimethylphenol  
 2,4-Dinitrophenol  
 2,4-Dinitrotoluene  
 2,6-Dinitrotoluene  
 2-Chlorophenol  
 2-Chloronaphthalene  
 2-Methylnaphthalene  
 2-Methylphenol  
 2-Nitroaniline  
 2-Nitrophenol  
 3,3'-Dichlorobenzidine  
 3-Nitroaniline  
 4,6-Dinitro-2-methylphenol  
 4-Bromophenyl-phenylether  
 4-Chloro-3-methylphenol  
 4-Chloroaniline  
 4-Chlorophenyl-phenylether  
 4-Methylphenol  
 4-Nitroaniline  
 4-Nitrophenol  
 Acenaphthene  
 Acenaphthylene  
 Benzoic Acid  
 Benzyl Alcohol

bis(2-Chloroethoxy)methane  
 bis-(2-Chloroethyl) Ether  
 Butylbenzylphthalate  
 Carbazole  
 Dibenz(a,h)anthracene  
 Dibenzofuran  
 Diethylphthalate  
 di-n-Butylphthalate  
 Di-n-octylphthalate  
 Fluorene  
 Hexachlorobenzene  
 Hexachlorobutadiene  
 Hexachlorocyclopentadiene  
 Hexachloroethane  
 Isophorone  
 Naphthalene  
 Nitrobenzene  
 N-Nitroso-di-N-Propylamine  
 n-Nitrosodiphenylamine  
 Pentachlorophenol  
 Phenol

VOCs: 1,1,1,2-Tetrachloroethane  
 1,1,1-Trichloroethane  
 1,1,2,2-Tetrachloroethane  
 1,1,2-Trichloro-1,1,2-trifluoroethane  
 1,1,2-Trichloroethane  
 1,1-Dichloroethane  
 1,1-Dichloroethene  
 1,1-Dichloropropene  
 1,2,3-Trichlorobenzene  
 1,2,3-Trichloropropane  
 1,2,4-Trichlorobenzene  
 1,2,4-Trimethylbenzene  
 1,2-Dibromo-3-chloropropane  
 1,2-Dichlorobenzene  
 1,2-Dichloroethane  
 1,2-Dichloropropane  
 1,3,5-Trimethylbenzene  
 1,3-Dichlorobenzene  
 1,3-Dichloropropane  
 1,4-Dichlorobenzene  
 2,2-Dichloropropane  
 2-Chloroethylvinylether  
 2-Chlorotoluene  
 2-Hexanone  
 4-Chlorotoluene  
 4-Methyl-2-Pentanone  
 Acrylonitrile  
 Arcolein  
 Bromobenzene  
 Bromochloromethane  
 Bromodichloromethane  
 Bromoethane  
 Bromoform

Bromomethane  
 Carbon Tetrachloride  
 Chlorobenzene  
 Chloroethane  
 Chloroform  
 Chloromethane  
 cis-1,2-Dichloroethene  
 cis-1,3-Dichloropropene  
 Dibromochloromethane  
 Dibromomethane  
 Ethylene Dibromide  
 Hexachlorobutadiene  
 Isopropylbenzene  
 Methyl Iodide  
 Naphthalene  
 n-Butylbenzene  
 n-Propylbenzene  
 sec-Butylbenzene  
 Styrene  
 tert-Butylbenzene  
 Tetrachloroethene  
 trans-1,2-Dichloroethene  
 trans-1,3-Dichloropropene  
 trans-1,4-Dichloro-2-butene  
 Trichloroethene  
 Trichlorofluoromethane  
 Vinyl Acetate  
 Vinyl Chloride

Pesticides: 4,4'-DDE  
 4,4'-DDT  
 Aldrin  
 alpha-BHC  
 beta-BHC  
 cis-Chlordane  
 delta-BHC  
 Endosulfan I  
 Endosulfan II  
 Endosulfan Sulfate  
 Endrin  
 Endrin Aldehyde  
 Endrin Ketone  
 gamma-BHC (Lindane)  
 Heptachlor  
 Heptachlor Epoxide  
 Methoxychlor  
 Toxaphene  
 trans-Chlordane