

## File Transfer

### PS&S

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Project: 013150622 Former Camden Coke Plant 2019  
2022-03-25 17:02 EDT

### RE: PSE&G Remediation at South Jersey Port Corporation

**From:** jsikorski@psands.com  
**To:** cperks@southjerseyport.com  
**CC:** There are no CC'ed people.

Good Afternoon Chris,

Attached you will find files that describe the soil and groundwater for the area north of the scrap pile. The figures and tables provided should be what you are looking for which depict soil and groundwater conditions. We also included analytical data tables for soil and groundwater samples collected from borings and monitoring wells in vicinity. Below is a list of files attached:

#### TABLES

- 2 Soil Sampling Results – October 2011
- 6B Summary of Groundwater Sampling Results – April 2012

#### FIGURES

- 3A Summary of Soil Sampling Results (1998 through 2005)
- 3B Summary of Soil Sampling Results (SRI 2009)
- 3C Summary of Soil Sampling Results – 2011
- 3D Summary of Soil Sampling Results – 2012
- 6 Groundwater Results above NJDEP GWQS

#### **PS&S Pre-Design Investigation**

- Analytical data table for the October 2020 Pre-Design Investigation Sampling for Extractable Petroleum Hydrocarbons
- Boring logs
- Figure 2 SJPC North Area Soil Boring Map

Please let us know if you have any questions or comments.

**Jay Sikorski**  
Scientist V

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**[Website](#) | [Instagram](#) | [LinkedIn](#)**

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-25 [3.5-4.0]			SJPC-25 [5.8-6.3]			SJPC-25 [20.4-20.9]			SJPC-25 [22.5-23.0]			SJPC-26 [2.5-3.0]			SJPC-26 [5.2-5.7]		
LAB ID:			9933547013			9933547014			9933547015			9933547016			9933547020			9933547021		
COLLECTION DATE:			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/20/2011			10/20/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acetone	70000	NA	0.114		0.005	0.185		0.0064	0.0537		0.0055	0.35		0.0055	0.167		0.0061	0.0652		0.0054
Benzene	2.00	5.00	0.00059	J	0.00054	0.0017	J	0.0007	0.0043		0.0006	ND	U	0.0006	0.00074	J	0.00066	ND	U	0.00059
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.00077	ND	U	0.00099	ND	U	0.00085	ND	U	0.00086	ND	U	0.00094	ND	U	0.00083
Bromoform (THM)b	81.0	280	ND	U	0.00056	ND	U	0.00073	ND	U	0.00062	ND	U	0.00063	ND	U	0.00069	ND	U	0.00061
Bromomethane	25.0	59.0	ND	U	0.00056	ND	U	0.00073	ND	U	0.00062	ND	U	0.00063	ND	U	0.00069	ND	U	0.00061
2-Butanone (Methyl Ethyl Ketone)	3100	44000	ND	U	0.0035	ND	U	0.0045	ND	U	0.0038	0.0361		0.0039	ND	U	0.0042	ND	U	0.0037
Carbon Disulfide	7800	110000	0.0031		0.00068	ND	U	0.00088	0.0062		0.00075	ND	U	0.00076	ND	U	0.00083	0.0024		0.00074
Carbon Tetrachloride	0.600	2.00	ND	U	0.00055	ND	U	0.00071	ND	U	0.00061	ND	U	0.00061	ND	U	0.00067	ND	U	0.0006
Chlorobenzene	510	7400	ND	U	0.00055	ND	U	0.00071	ND	U	0.00061	ND	U	0.00061	ND	U	0.00067	ND	U	0.0006
Chloroethane	220	1100	ND	U	0.00092	ND	U	0.0012	ND	U	0.001	ND	U	0.001	ND	U	0.0011	ND	U	0.00099
Chloroform (THM)b	0.600	2.00	ND	U	0.00057	ND	U	0.00074	ND	U	0.00063	ND	U	0.00064	ND	U	0.0007	ND	U	0.00062
Chloromethane	4.00	12.0	ND	U	0.00059	ND	U	0.00077	ND	U	0.00066	ND	U	0.00066	ND	U	0.00073	ND	U	0.00064
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.00074	ND	U	0.00095	ND	U	0.00081	ND	U	0.00082	ND	U	0.0009	ND	U	0.0008
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0031	ND	U	0.0041	ND	U	0.0035	ND	U	0.0035	ND	U	0.0038	ND	U	0.0034
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.00058	ND	U	0.00075	ND	U	0.00065	ND	U	0.00065	ND	U	0.00071	ND	U	0.00063
1,2-Dichlorobenzene	5300	59000	ND	U	0.0211	ND	U	0.243	ND	U	0.0236	ND	U	0.0284	ND	U	0.231	ND	U	0.0223
1,3-Dichlorobenzene	5300	59000	ND	U	0.0158	ND	U	0.182	ND	U	0.0177	ND	U	0.0213	ND	U	0.173	ND	U	0.0167
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.0104	ND	U	0.12	ND	U	0.0117	ND	U	0.014	ND	U	0.114	ND	U	0.0111
1,1-Dichloroethane	8.00	24.0	ND	U	0.00054	ND	U	0.0007	ND	U	0.0006	ND	U	0.0006	ND	U	0.00066	ND	U	0.00059
1,2-Dichloroethane	0.900	3.00	ND	U	0.00054	ND	U	0.0007	ND	U	0.0006	ND	U	0.0006	ND	U	0.00066	ND	U	0.00059
1,1-Dichloroethene	11.0	150	ND	U	0.00056	ND	U	0.00073	ND	U	0.00062	ND	U	0.00063	ND	U	0.00069	ND	U	0.00061
cis-1,2-Dichloroethene	230	560	ND	U	0.00054	ND	U	0.0007	ND	U	0.0006	ND	U	0.0006	ND	U	0.00066	ND	U	0.00059
trans-1,2-Dichloroethene	300	720	ND	U	0.00056	ND	U	0.00073	ND	U	0.00062	ND	U	0.00063	ND	U	0.00069	ND	U	0.00061
1,2-Dichloropropane	2.00	5.00	ND	U	0.00065	ND	U	0.00084	ND	U	0.00072	ND	U	0.00072	ND	U	0.00079	ND	U	0.0007
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.00059	ND	U	0.00077	ND	U	0.00066	ND	U	0.00066	ND	U	0.00073	ND	U	0.00064
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.00063	ND	U	0.00081	ND	U	0.00069	ND	U	0.0007	ND	U	0.00077	ND	U	0.00068
Ethylbenzene	7800	110000	ND	U	0.00074	ND	U	0.00095	0.0039		0.00081	ND	U	0.00082	ND	U	0.0009	ND	U	0.0008
Hexachlorobutadiene	6.00	25.0	ND	U	0.0211	ND	U	0.243	ND	U	0.0236	ND	U	0.0284	ND	U	0.231	ND	U	0.0223
2-Hexanone	NA	NA	ND	U	0.003	ND	U	0.0039	ND	U	0.0033	ND	U	0.0034	ND	U	0.0037	ND	U	0.0033
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.00084	ND	U	0.0011	ND	U	0.00093	0.0026		0.00094	ND	U	0.001	ND	U	0.00091
4-Methyl-2-pentanone	NA	NA	ND	U	0.0041	ND	U	0.0053	ND	U	0.0045	ND	U	0.0046	ND	U	0.005	ND	U	0.0044
Styrene	90.0	260	ND	U	0.00054	ND	U	0.0007	ND	U	0.0006	ND	U	0.0006	ND	U	0.00066	ND	U	0.00059
Tetrachloroethene	2.00	5.00	ND	U	0.00065	ND	U	0.00084	ND	U	0.00072	ND	U	0.00072	ND	U	0.00079	ND	U	0.0007
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.00061	ND	U	0.00078	ND	U	0.00067	ND	U	0.00067	ND	U	0.00074	ND	U	0.00066
Toluene	6300	91000	ND	U	0.00072	0.0011	J	0.00094	0.001	J	0.0008	ND	U	0.00081	0.0011	J	0.00089	ND	U	0.00078
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.0097	ND	U	0.112	ND	U	0.0109	ND	U	0.013	ND	U	0.106	ND	U	0.0103
1,1,1-Trichloroethane	290	4200	ND	U	0.00067	ND	U	0.00087	ND	U	0.00074	ND	U	0.00075	ND	U	0.00082	ND	U	0.00073
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.00061	ND	U	0.00078	ND	U	0.00067	ND	U	0.00067	ND	U	0.00074	ND	U	0.00066
Trichloroethene	7.00	20.0	ND	U	0.00054	ND	U	0.0007	ND	U	0.0006	ND	U	0.0006	ND	U	0.00066	ND	U	0.00059
Vinyl Chloride	0.700	2.00	ND	U	0.00054	ND	U	0.0007	ND	U	0.0006	ND	U	0.0006	ND	U	0.00066	ND	U	0.00059
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		
o-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

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<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Xylenes	12000	170000	ND	U	0.0015	ND	U	0.002	ND	U	0.0017	ND	U	0.0017	ND	U	0.0019	ND	U	0.0016
Bromochloromethane	NA	NA	NA			NA			NA			NA			NA			NA		
Cyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	230000	490	NA			NA			NA			NA			NA			NA		
1,4-Dioxane	NA	NA	NA			NA			NA			NA			NA			NA		
Freon 113	NA	NA	NA			NA			NA			NA			NA			NA		
Isopropylbenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Methyl Acetate	NA	78000	NA			NA			NA			NA			NA			NA		
Methyl Tert Butyl Ether	320	110	NA			NA			NA			NA			NA			NA		
Methylcyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Trichlorofluoromethane	340000	23000	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Volatile	NA	NA	NA			NA			NA			NA			NA			NA		
<i>Semivolatile Organic Compounds (SVOCs)</i>																				
Acenaphthene	3400	37000	0.0449	J	0.0211	ND	U	0.243	0.166		0.0236	ND	U	0.0284	ND	U	0.231	ND	U	0.0223
Acenaphthylene	NA	300000	0.133		0.0116	ND	U	0.134	0.223		0.013	ND	U	0.0156	0.896		0.127	0.0165	J	0.0123
Anthracene	17000	30000	0.126		0.0126	1.22		0.146	0.647		0.0142	ND	U	0.017	1.17		0.138	0.0558	J	0.0134
Benzo[a]anthracene	0.600	2.00	0.536		0.019	2.68		0.219	0.677		0.0212	ND	U	0.0255	4.58		0.207	0.187		0.0201
Benzo[a]pyrene	0.200	0.200	0.469		0.0087	2.19		0.101	0.578		0.0098	ND	U	0.0118	3.59		0.0957	0.172		0.0093
Benzo[b]fluoranthene	0.600	2.00	1.16		0.0147	2.91		0.17	0.746		0.0165	ND	U	0.0199	4.73		0.161	0.243		0.0156
Benzo[g,h,i]perylene	380000	30000	0.173		0.0088	1.31		0.102	0.157		0.0099	ND	U	0.0119	1.65		0.0968	0.0575		0.0094
Benzo[k]fluoranthene	6.00	23.0	0.425		0.0137	1.11		0.158	0.301		0.0153	ND	U	0.0184	1.86		0.15	0.0873		0.0145
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.0284	ND	U	0.328	ND	U	0.0319	ND	U	0.0383	ND	U	0.311	ND	U	0.0301
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.0137	ND	U	0.158	ND	U	0.0153	ND	U	0.0184	ND	U	0.15	ND	U	0.0145
bis(2-Ethylhexyl)phthalate	35.0	140	ND	U	0.0147	ND	U	0.17	ND	U	0.0165	ND	U	0.0199	ND	U	0.161	ND	U	0.0156
Butylbenzylphthalate	1200	14000	ND	U	0.0099	ND	U	0.114	ND	U	0.0111	ND	U	0.0133	ND	U	0.108	ND	U	0.0105
Carbazole	24.0	96.0	0.0306	J	0.0126	0.187	J	0.146	0.274		0.0142	ND	U	0.017	ND	U	0.138	0.0289	J	0.0134
4-Chloroaniline	NA	NA	ND	U	0.0884	ND	U	1.02	0.257	J	0.0991	ND	U	0.119	ND	U	0.968	ND	U	0.0938
4-Chloro-3-methylphenol	NA	NA	ND	U	0.0221	ND	U	0.255	ND	U	0.0248	ND	U	0.0298	ND	U	0.242	ND	U	0.0234
2-Chloronaphthalene	NA	NA	ND	U	0.0137	ND	U	0.158	ND	U	0.0153	ND	U	0.0184	ND	U	0.15	ND	U	0.0145
2-Chlorophenol	310	2200	ND	U	0.0242	ND	U	0.279	ND	U	0.0271	ND	U	0.0326	ND	U	0.265	ND	U	0.0257
Chrysene	62.0	230	0.732		0.0099	2.74		0.114	0.689		0.0111	ND	U	0.0133	4.22		0.108	0.218		0.0105
Dibenzo[a,h]anthracene	0.200	0.200	0.0865		0.0087	0.403	J	0.101	0.0663	J	0.0098	ND	U	0.0118	0.663	J	0.0957	0.0213	J	0.0093
3,3-Dichlorobenzidine	1.00	4.00	ND	U	0.06	ND	U	0.692	ND	U	0.0672	ND	U	0.0808	ND	U	0.657	ND	U	0.0636
2,4-Dichlorophenol	180	2100	ND	U	0.0179	ND	U	0.206	ND	U	0.0201	ND	U	0.0241	ND	U	0.196	ND	U	0.019
Diethylphthalate	49000	550000	ND	U	0.0087	ND	U	0.101	ND	U	0.0098	ND	U	0.0118	ND	U	0.0957	ND	U	0.0093
2,4-Dimethylphenol	1200	14000	ND	U	0.0537	ND	U	0.619	ND	U	0.0602	ND	U	0.0723	ND	U	0.588	ND	U	0.0569
Dimethylphthalate	NA	NA	ND	U	0.0168	ND	U	0.194	ND	U	0.0189	ND	U	0.0227	ND	U	0.184	ND	U	0.0179
Di-n-butylphthalate	6100	68000	ND	U	0.0116	ND	U	0.134	ND	U	0.013	ND	U	0.0156	ND	U	0.127	ND	U	0.0123
Di-n-octylphthalate	2400	27000	ND	U	0.0087	ND	U	0.101	ND	U	0.0098	ND	U	0.0118	ND	U	0.0957	ND	U	0.0093
2,4-Dinitrophenol	120	1400	ND	U	0.1	ND	U	1.15	ND	U	0.112	ND	U	0.135	ND	U	1.1	ND	U	0.106
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.0116	ND	U	0.134	ND	U	0.013	ND	U	0.0156	ND	U	0.127	ND	U	0.0123
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.0126	ND	U	0.146	ND	U	0.0142	ND	U	0.017	ND	U	0.138	ND	U	0.0134

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			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
			<b>Semivolatile Organic Compounds (SVOCs)</b>																	
Fluoranthene	2300	24000	0.795		0.0116	5.28		0.134	1.37		0.013	ND	U	0.0156	7.94		0.127	0.389		0.0123
Fluorene	2300	24000	0.0635		0.0098	0.301	J	0.113	0.781		0.011	ND	U	0.0132	0.26	J	0.107	0.0176	J	0.0104
Hexachlorobenzene	0.300	1.00	ND	U	0.0242	ND	U	0.279	ND	U	0.0271	ND	U	0.0326	ND	U	0.265	ND	U	0.0257
Hexachlorocyclopentadiene	45.0	110	ND	U	0.0821	ND	U	0.947	ND	U	0.092	ND	U	0.111	ND	U	0.899	ND	U	0.0871
Hexachloroethane	35.0	140	ND	U	0.0232	ND	U	0.267	ND	U	0.026	ND	U	0.0312	ND	U	0.254	ND	U	0.0246
Indeno[1,2,3-c,d]pyrene	0.600	2.00	0.202		0.0087	1.19		0.101	0.174		0.0098	ND	U	0.0118	1.81		0.0957	0.0605		0.0093
Isophorone	510	2000	ND	U	0.0137	ND	U	0.158	ND	U	0.0153	ND	U	0.0184	ND	U	0.15	ND	U	0.0145
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	0.0905	ND	U	1.04	ND	U	0.101	ND	U	0.122	ND	U	0.991	ND	U	0.096
2-Methylnaphthalene	230	2400	0.0567		0.0089	ND	U	0.103	0.0656		0.01	ND	U	0.0121	0.106	J	0.098	ND	U	0.0095
2-Methylphenol	310	3400	ND	U	0.0284	ND	U	0.328	ND	U	0.0319	ND	U	0.0383	ND	U	0.311	ND	U	0.0301
4-Methylphenol	31.0	340	ND	U	0.0137	ND	U	0.158	ND	U	0.0153	ND	U	0.0184	ND	U	0.15	ND	U	0.0145
Naphthalene	6.00	17.0	0.122		0.019	ND	U	0.219	0.768		0.0212	ND	U	0.0255	ND	U	0.207	ND	U	0.0201
2-Nitroaniline	39.0	23000	ND	U	0.0663	ND	U	0.765	ND	U	0.0743	ND	U	0.0893	ND	U	0.726	ND	U	0.0703
Nitrobenzene	31.0	340	ND	U	0.0537	ND	U	0.619	ND	U	0.0602	ND	U	0.0723	ND	U	0.588	ND	U	0.0569
N-Nitrosodiphenylamine	99.0	390	ND	U	0.0126	ND	U	0.146	ND	U	0.0142	ND	U	0.017	ND	U	0.138	ND	U	0.0134
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.0295	ND	U	0.34	ND	U	0.033	ND	U	0.0397	ND	U	0.323	ND	U	0.0313
Pentachlorophenol	3.00	10.0	ND	U	0.0674	ND	U	0.777	ND	U	0.0755	ND	U	0.0907	ND	U	0.738	ND	U	0.0715
Phenanthrene	NA	300000	0.425		0.0137	3.81		0.158	2.02		0.0153	ND	U	0.0184	4.16		0.15	0.253		0.0145
Phenol	18000	210000	ND	U	0.0432	ND	U	0.498	ND	U	0.0484	ND	U	0.0581	ND	U	0.473	ND	U	0.0458
Pyrene	1700	18000	0.741		0.0105	4.51		0.121	1.25		0.0118	ND	U	0.0142	6.68		0.115	0.333		0.0112
2,4,5-Trichlorophenol	6100	68000	ND	U	0.0632	ND	U	0.729	ND	U	0.0708	ND	U	0.0851	ND	U	0.692	ND	U	0.067
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.0326	ND	U	0.376	ND	U	0.0366	ND	U	0.044	ND	U	0.357	ND	U	0.0346
Acetophenone	5	2	NA			NA			NA			NA		NA			NA			NA
Atrazine	2400	210	NA			NA			NA			NA		NA			NA			NA
Benzaldehyde	68000	6100	NA			NA			NA			NA		NA			NA			NA
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA		NA			NA			NA
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA		NA			NA			NA
Caprolactam	340000	31000	NA			NA			NA			NA		NA			NA			NA
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA		NA			NA			NA
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA		NA			NA			NA
Dibenzofuran	NA	NA	NA			NA			NA			NA		NA			NA			NA
Hexachlorobutadiene	25	6	NA			NA			NA			NA		NA			NA			NA
3-Nitroaniline	NA	NA	NA			NA			NA			NA		NA			NA			NA
4-Nitroaniline	NA	NA	NA			NA			NA			NA		NA			NA			NA
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA		NA			NA			NA
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA		NA			NA			NA
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA		NA			NA			NA

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012



Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-25 [3.5-4.0]			SJPC-25 [5.8-6.3]			SJPC-25 [20.4-20.9]			SJPC-25 [22.5-23.0]			SJPC-26 [2.5-3.0]			SJPC-26 [5.2-5.7]			
LAB ID:			9933547013			9933547014			9933547015			9933547016			9933547020			9933547021			
COLLECTION DATE:			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/20/2011			10/20/2011			
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			
<i>Semivolatile Organic Compounds (SVOCs) by SIM</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
Acenaphthene	3400	37000	NA			NA			0.117		0.00013	0.0018	J	0.00016	NA			0.0154		0.00012	
Acenaphthylene	NA	300000	NA			NA			0.261		0.00021	0.0025	J	0.00026	NA			0.0161		0.0002	
Anthracene	17000	30000	NA			NA			0.643		0.00053	0.004	J	0.00064	NA			0.0586		0.0005	
Benzo[a]anthracene	0.600	2.00	NA			NA			0.744		0.00024	0.0068	J	0.00028	NA			0.211		0.00022	
Benzo[a]pyrene	0.200	0.200	NA			NA			0.586		0.00022	ND	U	0.00027	NA			0.168		0.00021	
Benzo[b]fluoranthene	0.600	2.00	NA			NA			0.786		0.00035	0.0082	J	0.00043	NA			0.235		0.00033	
Benzo[g,h,i]perylene	380000	30000	NA			NA			0.239		0.00046	0.0024	J	0.00055	NA			0.0942		0.00044	
Benzo[k]fluoranthene	6.00	23.0	NA			NA			0.285		0.00038	0.003	J	0.00045	NA			0.0838		0.00036	
Chrysene	62.0	230	NA			NA			0.643		0.00025	0.0065	J	0.0003	NA			0.211		0.00023	
Dibenzo[a,h]anthracene	0.200	0.200	NA			NA			0.0943		0.00035	ND	U	0.00043	NA			0.0304		0.00033	
Fluoranthene	2300	24000	NA			NA			0.89		0.00022	0.0116	J	0.00027	NA			0.373		0.00021	
Fluorene	2300	24000	NA			NA			0.769		0.00017	0.0051	J	0.0002	NA			0.0217		0.00016	
Indeno[1,2,3-c,d]pyrene	0.600	2.00	NA			NA			0.234		0.00039	0.0023	J	0.00047	NA			0.0852		0.00037	
Naphthalene	6.00	17.0	NA			NA			0.763		0.00032	0.0073	J	0.00038	NA			0.0058		0.0003	
Phenanthrene	NA	300000	NA			NA			1.24		0.0002	0.0112	J	0.00024	NA			0.254		0.00019	
Pyrene	1700	18000	NA			NA			0.965		0.00021	0.0109	J	0.00026	NA			0.332		0.0002	
<b>Inorganics</b>																					
Aluminum	78000	NA	4640		13.5	3270		13.7	3080		14.6	8410		18.4	2420		14.5	7980		12.7	
Antimony	31.0	450	1.9		0.34	11.7		0.35	0.47	J	0.37	ND	U	0.47	6.9		0.37	ND	U	0.32	
Arsenic	19.0	19.0	8.7		0.52	21.7		0.53	3.1		0.56	4.1		0.71	12.8		0.56	5.3		0.49	
Barium	16000	59000	134		0.83	265		0.84	31.7		0.9	62.5		1.1	94.7		0.89	32.9		0.78	
Beryllium	16.0	140	0.31	J	0.17	0.28	J	0.17	ND	U	0.19	0.45	J	0.23	0.21	J	0.18	0.4	J	0.16	
Cadmium	78.0	78.0	0.78		0.17	2.4		0.17	ND	U	0.19	ND	U	0.23	2.8		0.18	ND	U	0.16	
Calcium	NA	NA	NA			NA			NA			NA		NA	NA			NA			
Chromium	NA	NA	34.8		0.34	59.6		0.35	9.5		0.37	20.8		0.47	10.3		0.37	18.1		0.32	
Cobalt	1600	590	4.9		0.83	4.8		0.84	2.9		0.9	5.9		1.1	4.5		0.89	4		0.78	
Copper	3100	45000	34.1		0.83	89.7		0.84	6		0.9	5.3		1.1	141		0.89	9.2		0.78	
Iron	NA	NA	17300		8.3	26700		8.4	6680		9	16500		11.3	17700		8.9	14500		7.8	
Lead	400	800	111		0.34	1040		0.35	50.8		0.37	5.9		0.47	503		0.37	23.1		0.32	
Magnesium	NA	NA	NA			NA			NA			NA		NA	NA			NA			
Manganese	11000	5900	348		0.83	132		0.84	43.1		0.9	558		1.1	102		0.89	74.7		0.78	
Mercury	23.0	65.0	0.55		0.068	0.94		0.08	0.11	J	0.067	ND	U	0.088	1.4		0.077	0.11	J	0.068	
Nickel	1600	23000	9.6		0.83	13.1		0.84	6.8		0.9	12.1		1.1	11.6		0.89	8.2		0.78	
Potassium	NA	NA	NA			NA			NA			NA		NA	NA			NA			
Selenium	390	5700	2.2	J	0.83	3.7		0.84	1	J	0.9	3.8		1.1	1.3	J	0.89	1.2	J	0.78	
Silver	390	5700	ND	U	0.34	0.45	J	0.35	ND	U	0.37	ND	U	0.47	ND	U	0.37	ND	U	0.32	
Sodium	NA	NA	294		5.2	172		5.3	82.4		5.6	156		7.1	159		5.6	95.6		4.9	
Thallium	5.00	79.0	0.18	J	0.17	0.55		0.17	ND	U	0.19	ND	U	0.23	0.25	J	0.18	ND	U	0.16	
Vanadium	78.0	1100	25.5		0.52	18.2		0.53	8.7		0.56	20.6		0.71	11.9		0.56	21.5		0.49	
Zinc	23000	110000	125		0.83	389		0.84	25.8		0.9	36		1.1	362		0.89	39.3		0.78	
<b>General Chemistry</b>																					
Cyanide	1600	23000	5.9		0.065	7.8		0.074	11		0.071	0.58		0.086	51.2		6.8	0.11	J	0.066	
Solids, Percent (%)			NA			NA			NA			NA			NA			NA			

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-26 [10.2-10.7]			SJPC-26 [24.5-25.0]			SJPC-27 [1.3-1.8]			SJPC-27 [5.5-6.0]			SJPC-27 [7.9-8.4]			SJPC-27 [23.3-23.8]		
LAB ID:			9933547022			9933547023			9932971006			9932971007			9932971008			9932971009		
COLLECTION DATE:			10/20/2011			10/20/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acetone	70000	NA	0.253		0.0073	0.157		0.0074	0.198		0.0102	0.0702		0.0052	0.0973		0.0079	0.121		0.0049
Benzene	2.00	5.00	0.001	J	0.0008	ND	U	0.00081	0.0022	J	0.0011	0.00064	J	0.00057	ND	U	0.00086	ND	U	0.00054
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.0011	ND	U	0.0011	ND	U	0.0016	ND	U	0.0008	ND	U	0.0012	ND	U	0.00076
Bromoform (THM)b	81.0	280	ND	U	0.00083	ND	U	0.00084	ND	U	0.0012	ND	U	0.00059	ND	U	0.00089	ND	U	0.00056
Bromomethane	25.0	59.0	ND	U	0.00083	ND	U	0.00084	ND	U	0.0012	ND	U	0.00059	ND	U	0.00089	ND	U	0.00056
2-Butanone (Methyl Ethyl Ketone)	3100	44000	0.0278		0.0051	ND	U	0.0052	ND	U	0.0071	ND	U	0.0036	ND	U	0.0055	0.0087	J	0.0034
Carbon Disulfide	7800	110000	0.0127		0.001	ND	U	0.001	ND	U	0.0014	ND	U	0.00071	0.003	J	0.0011	0.0015	J	0.00068
Carbon Tetrachloride	0.600	2.00	ND	U	0.00081	ND	U	0.00082	ND	U	0.0011	ND	U	0.00058	ND	U	0.00087	ND	U	0.00055
Chlorobenzene	510	7400	ND	U	0.00081	ND	U	0.00082	ND	U	0.0011	ND	U	0.00058	ND	U	0.00087	ND	U	0.00055
Chloroethane	220	1100	ND	U	0.0014	ND	U	0.0014	ND	U	0.0019	ND	U	0.00096	ND	U	0.0015	ND	U	0.00091
Chloroform (THM)b	0.600	2.00	ND	U	0.00084	ND	U	0.00085	ND	U	0.0012	ND	U	0.0006	ND	U	0.00091	ND	U	0.00057
Chloromethane	4.00	12.0	ND	U	0.00087	ND	U	0.00089	ND	U	0.0012	ND	U	0.00062	ND	U	0.00094	ND	U	0.00059
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.0011	ND	U	0.0011	ND	U	0.0015	ND	U	0.00077	ND	U	0.0012	ND	U	0.00073
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0046	ND	U	0.0047	ND	U	0.0064	ND	U	0.0033	ND	U	0.005	ND	U	0.0031
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.00086	ND	U	0.00087	ND	U	0.0012	ND	U	0.00061	ND	U	0.00093	ND	U	0.00058
1,2-Dichlorobenzene	5300	59000	ND	U	0.0287	ND	U	0.0273	ND	U	0.0219	ND	U	0.0229	ND	U	0.0246	ND	U	0.0251
1,3-Dichlorobenzene	5300	59000	ND	U	0.0216	ND	U	0.0205	ND	U	0.0165	ND	U	0.0172	ND	U	0.0185	ND	U	0.0188
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.0142	ND	U	0.0135	ND	U	0.0109	ND	U	0.0113	ND	U	0.0122	ND	U	0.0124
1,1-Dichloroethane	8.00	24.0	ND	U	0.0008	ND	U	0.00081	ND	U	0.0011	ND	U	0.00057	ND	U	0.00086	ND	U	0.00054
1,2-Dichloroethane	0.900	3.00	ND	U	0.0008	ND	U	0.00081	ND	U	0.0011	ND	U	0.00057	ND	U	0.00086	ND	U	0.00054
1,1-Dichloroethene	11.0	150	ND	U	0.00083	ND	U	0.00084	ND	U	0.0012	ND	U	0.00059	ND	U	0.00089	ND	U	0.00056
cis-1,2-Dichloroethene	230	560	ND	U	0.0008	ND	U	0.00081	ND	U	0.0011	ND	U	0.00057	ND	U	0.00086	ND	U	0.00054
trans-1,2-Dichloroethene	300	720	ND	U	0.00083	ND	U	0.00084	ND	U	0.0012	ND	U	0.00059	ND	U	0.00089	ND	U	0.00056
1,2-Dichloropropane	2.00	5.00	ND	U	0.00095	ND	U	0.00097	ND	U	0.0013	ND	U	0.00068	ND	U	0.001	ND	U	0.00064
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.00087	ND	U	0.00089	ND	U	0.0012	ND	U	0.00062	ND	U	0.00094	ND	U	0.00059
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.00092	ND	U	0.00094	ND	U	0.0013	ND	U	0.00066	ND	U	0.00099	ND	U	0.00062
Ethylbenzene	7800	110000	ND	U	0.0011	ND	U	0.0011	ND	U	0.0015	ND	U	0.00077	ND	U	0.0012	ND	U	0.00073
Hexachlorobutadiene	6.00	25.0	ND	U	0.0287	ND	U	0.0273	ND	U	0.0219	ND	U	0.0229	ND	U	0.0246	ND	U	0.0251
2-Hexanone	NA	NA	ND	U	0.0045	ND	U	0.0045	ND	U	0.0062	ND	U	0.0032	ND	U	0.0048	ND	U	0.003
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.0012	ND	U	0.0013	ND	U	0.0017	ND	U	0.00088	ND	U	0.0013	ND	U	0.00084
4-Methyl-2-pentanone	NA	NA	ND	U	0.006	ND	U	0.0061	ND	U	0.0084	ND	U	0.0043	ND	U	0.0065	ND	U	0.0041
Styrene	90.0	260	ND	U	0.0008	ND	U	0.00081	ND	U	0.0011	ND	U	0.00057	ND	U	0.00086	ND	U	0.00054
Tetrachloroethene	2.00	5.00	ND	U	0.00095	ND	U	0.00097	ND	U	0.0013	ND	U	0.00068	ND	U	0.001	ND	U	0.00064
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.00089	ND	U	0.0009	ND	U	0.0012	ND	U	0.00063	ND	U	0.00096	ND	U	0.0006
Toluene	6300	91000	ND	U	0.0011	ND	U	0.0011	0.0028	J	0.0015	ND	U	0.00076	ND	U	0.0011	ND	U	0.00072
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.0132	ND	U	0.0126	ND	U	0.0101	ND	U	0.0105	ND	U	0.0113	ND	U	0.0116
1,1,1-Trichloroethane	290	4200	ND	U	0.00099	ND	U	0.001	ND	U	0.0014	ND	U	0.0007	ND	U	0.0011	ND	U	0.00067
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.00089	ND	U	0.0009	ND	U	0.0012	ND	U	0.00063	ND	U	0.00096	ND	U	0.0006
Trichloroethene	7.00	20.0	ND	U	0.0008	ND	U	0.00081	ND	U	0.0011	ND	U	0.00057	ND	U	0.00086	ND	U	0.00054
Vinyl Chloride	0.700	2.00	ND	U	0.0008	ND	U	0.00081	ND	U	0.0011	ND	U	0.00057	ND	U	0.00086	ND	U	0.00054
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		
o-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-26 [10.2-10.7]			SJPC-26 [24.5-25.0]			SJPC-27 [1.3-1.8]			SJPC-27 [5.5-6.0]			SJPC-27 [7.9-8.4]			SJPC-27 [23.3-23.8]		
LAB ID:			9933547022			9933547023			9932971006			9932971007			9932971008			9932971009		
COLLECTION DATE:			10/20/2011			10/20/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Xylenes	12000	170000	ND	U	0.0022	ND	U	0.0023	ND	U	0.0031	ND	U	0.0016	ND	U	0.0024	ND	U	0.0015
Bromochloromethane	NA	NA	NA			NA			NA			NA			NA			NA		
Cyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	230000	490	NA			NA			NA			NA			NA			NA		
1,4-Dioxane	NA	NA	NA			NA			NA			NA			NA			NA		
Freon 113	NA	NA	NA			NA			NA			NA			NA			NA		
Isopropylbenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Methyl Acetate	NA	78000	NA			NA			NA			NA			NA			NA		
Methyl Tert Butyl Ether	320	110	NA			NA			NA			NA			NA			NA		
Methylcyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Trichlorofluoromethane	340000	23000	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Volatile	NA	NA	NA			NA			NA			NA			NA			NA		
<i>Semivolatile Organic Compounds (SVOCs)</i>																				
Acenaphthene	3400	37000	0.447		0.0287	ND	U	0.0273	0.0305	J	0.0219	0.0899		0.0229	0.252		0.0246	ND	U	0.0251
Acenaphthylene	NA	300000	0.209		0.0158	ND	U	0.015	0.0428	J	0.0121	0.0264	J	0.0126	0.105		0.0135	ND	U	0.0138
Anthracene	17000	30000	1.07		0.0172	ND	U	0.0164	0.0632		0.0132	0.181		0.0137	0.632		0.0148	ND	U	0.0151
Benzo[a]anthracene	0.600	2.00	<b>2</b>		0.0259	ND	U	0.0246	0.363		0.0197	0.418		0.0206	<b>1.54</b>		0.0222	ND	U	0.0226
Benzo[a]pyrene	0.200	0.200	<b>1.69</b>		0.0119	ND	U	0.0113	<b>0.36</b>		0.0091	<b>0.344</b>		0.0095	<b>1.13</b>		0.0102	ND	U	0.0104
Benzo[b]fluoranthene	0.600	2.00	<b>2.15</b>		0.0201	ND	U	0.0191	0.5		0.0154	0.452		0.016	<b>1.7</b>		0.0172	ND	U	0.0176
Benzo[g,h,i]perylene	380000	30000	0.361		0.0121	ND	U	0.0115	0.109		0.0092	0.0954		0.0096	0.258		0.0103	ND	U	0.0106
Benzo[k]fluoranthene	6.00	23.0	0.978		0.0187	ND	U	0.0177	0.173		0.0143	0.195		0.0149	0.703		0.016	ND	U	0.0163
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.0388	ND	U	0.0369	ND	U	0.0296	ND	U	0.0309	ND	U	0.0333	ND	U	0.0339
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.0187	ND	U	0.0177	ND	U	0.0143	ND	U	0.0149	ND	U	0.016	ND	U	0.0163
bis(2-Ethylhexyl)phthalate	35.0	140	ND	U	0.0201	ND	U	0.0191	0.0199	J	0.0154	0.0405	J	0.016	ND	U	0.0172	ND	U	0.0176
Butylbenzylphthalate	1200	14000	ND	U	0.0135	ND	U	0.0128	0.0154	J	0.0103	ND	U	0.0108	ND	U	0.0116	ND	U	0.0118
Carbazole	24.0	96.0	0.108	J	0.0172	ND	U	0.0164	0.0282	J	0.0132	0.0868	J	0.0137	0.224		0.0148	ND	U	0.0151
4-Chloroaniline	NA	NA	ND	U	0.121	ND	U	0.115	ND	U	0.0922	ND	U	0.0962	ND	U	0.103	ND	U	0.106
4-Chloro-3-methylphenol	NA	NA	ND	U	0.0302	ND	U	0.0287	ND	U	0.023	ND	U	0.024	ND	U	0.0259	ND	U	0.0264
2-Chloronaphthalene	NA	NA	ND	U	0.0187	ND	U	0.0177	ND	U	0.0143	ND	U	0.0149	ND	U	0.016	ND	U	0.0163
2-Chlorophenol	310	2200	ND	U	0.0331	ND	U	0.0314	ND	U	0.0252	ND	U	0.0263	ND	U	0.0283	ND	U	0.0289
Chrysene	62.0	230	1.83		0.0135	ND	U	0.0128	0.407		0.0103	0.399		0.0108	1.24		0.0116	ND	U	0.0118
Dibenzo[a,h]anthracene	0.200	0.200	0.155		0.0119	ND	U	0.0113	0.0436	J	0.0091	0.0296	J	0.0095	0.112		0.0102	ND	U	0.0104
3,3-Dichlorobenzidine	1.00	4.00	ND	U	0.0819	ND	U	0.0778	ND	U	0.0625	ND	U	0.0653	ND	U	0.0702	ND	U	0.0716
2,4-Dichlorophenol	180	2100	ND	U	0.0244	ND	U	0.0232	ND	U	0.0187	ND	U	0.0195	ND	U	0.0209	ND	U	0.0214
Diethylphthalate	49000	550000	ND	U	0.0119	ND	U	0.0113	ND	U	0.0091	ND	U	0.0095	ND	U	0.0102	ND	U	0.0104
2,4-Dimethylphenol	1200	14000	ND	U	0.0733	ND	U	0.0696	ND	U	0.056	ND	U	0.0584	ND	U	0.0628	ND	U	0.0641
Dimethylphthalate	NA	NA	ND	U	0.023	ND	U	0.0218	ND	U	0.0176	ND	U	0.0183	ND	U	0.0197	ND	U	0.0201
Di-n-butylphthalate	6100	68000	ND	U	0.0158	ND	U	0.015	ND	U	0.0121	ND	U	0.0126	ND	U	0.0135	ND	U	0.0138
Di-n-octylphthalate	2400	27000	ND	U	0.0119	ND	U	0.0113	ND	U	0.0091	ND	U	0.0095	ND	U	0.0102	ND	U	0.0104
2,4-Dinitrophenol	120	1400	ND	U	0.137	ND	U	0.13	ND	U	0.104	ND	U	0.109	ND	U	0.117	ND	U	0.119
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.0158	ND	U	0.015	ND	U	0.0121	ND	U	0.0126	ND	U	0.0135	ND	U	0.0138
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.0172	ND	U	0.0164	ND	U	0.0132	ND	U	0.0137	ND	U	0.0148	ND	U	0.0151

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-26 [10.2-10.7]			SJPC-26 [24.5-25.0]			SJPC-27 [1.3-1.8]			SJPC-27 [5.5-6.0]			SJPC-27 [7.9-8.4]			SJPC-27 [23.3-23.8]		
LAB ID:			9933547022			9933547023			9932971006			9932971007			9932971008			9932971009		
COLLECTION DATE:			10/20/2011			10/20/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Semivolatile Organic Compounds (SVOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Fluoranthene	2300	24000	3.12		0.0158	ND	U	0.015	0.55		0.0121	0.74		0.0126	2.68		0.0135	ND	U	0.0138
Fluorene	2300	24000	0.37		0.0134	ND	U	0.0127	0.0253	J	0.0102	0.0937		0.0106	0.258		0.0115	ND	U	0.0117
Hexachlorobenzene	0.300	1.00	ND	U	0.0331	ND	U	0.0314	ND	U	0.0252	ND	U	0.0263	ND	U	0.0283	ND	U	0.0289
Hexachlorocyclopentadiene	45.0	110	ND	U	0.112	ND	U	0.106	ND	U	0.0856	ND	U	0.0893	ND	U	0.0961	ND	U	0.098
Hexachloroethane	35.0	140	ND	U	0.0316	ND	U	0.03	ND	U	0.0241	ND	U	0.0252	ND	U	0.0271	ND	U	0.0276
Indeno[1,2,3-c,d]pyrene	0.600	2.00	0.414		0.0119	ND	U	0.0113	0.116		0.0091	0.111		0.0095	0.285		0.0102	ND	U	0.0104
Isophorone	510	2000	ND	U	0.0187	ND	U	0.0177	ND	U	0.0143	ND	U	0.0149	ND	U	0.016	ND	U	0.0163
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	0.124	ND	U	0.117	ND	U	0.0944	ND	U	0.0985	ND	U	0.106	ND	U	0.108
2-Methylnaphthalene	230	2400	0.0528	J	0.0122	ND	U	0.0116	0.0242	J	0.0093	0.029	J	0.0097	0.066		0.0105	ND	U	0.0107
2-Methylphenol	310	3400	ND	U	0.0388	ND	U	0.0369	ND	U	0.0296	ND	U	0.0309	ND	U	0.0333	ND	U	0.0339
4-Methylphenol	31.0	340	0.0235	J	0.0187	ND	U	0.0177	ND	U	0.0143	ND	U	0.0149	ND	U	0.016	ND	U	0.0163
Naphthalene	6.00	17.0	0.128		0.0259	ND	U	0.0246	0.0358	J	0.0197	0.032	J	0.0206	0.092		0.0222	ND	U	0.0226
2-Nitroaniline	39.0	23000	ND	U	0.0906	ND	U	0.086	ND	U	0.0691	ND	U	0.0721	ND	U	0.0776	ND	U	0.0791
Nitrobenzene	31.0	340	ND	U	0.0733	ND	U	0.0696	ND	U	0.056	ND	U	0.0584	ND	U	0.0628	ND	U	0.0641
N-Nitrosodiphenylamine	99.0	390	ND	U	0.0172	ND	U	0.0164	ND	U	0.0132	ND	U	0.0137	ND	U	0.0148	ND	U	0.0151
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.0402	ND	U	0.0382	ND	U	0.0307	ND	U	0.0321	ND	U	0.0345	ND	U	0.0352
Pentachlorophenol	3.00	10.0	ND	U	0.092	ND	U	0.0874	ND	U	0.0702	ND	U	0.0733	ND	U	0.0788	ND	U	0.0804
Phenanthrene	NA	300000	1.9		0.0187	ND	U	0.0177	0.292		0.0143	0.73		0.0149	2.34		0.016	ND	U	0.0163
Phenol	18000	210000	ND	U	0.0589	ND	U	0.056	ND	U	0.045	ND	U	0.0469	ND	U	0.0505	ND	U	0.0515
Pyrene	1700	18000	2.94		0.0144	ND	U	0.0136	0.577		0.011	0.659		0.0115	2.68		0.0123	ND	U	0.0126
2,4,5-Trichlorophenol	6100	68000	ND	U	0.0862	ND	U	0.0819	ND	U	0.0658	ND	U	0.0687	ND	U	0.0739	ND	U	0.0754
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.0446	ND	U	0.0423	ND	U	0.034	ND	U	0.0355	ND	U	0.0382	ND	U	0.0389
Acetophenone	5	2	NA			NA			NA			NA			NA			NA		
Atrazine	2400	210	NA			NA			NA			NA			NA			NA		
Benzaldehyde	68000	6100	NA			NA			NA			NA			NA			NA		
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Caprolactam	340000	31000	NA			NA			NA			NA			NA			NA		
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Dibenzofuran	NA	NA	NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	25	6	NA			NA			NA			NA			NA			NA		
3-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
4-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-26 [10.2-10.7]			SJPC-26 [24.5-25.0]			SJPC-27 [1.3-1.8]			SJPC-27 [5.5-6.0]			SJPC-27 [7.9-8.4]			SJPC-27 [23.3-23.8]		
LAB ID:			9933547022			9933547023			9932971006			9932971007			9932971008			9932971009		
COLLECTION DATE:			10/20/2011			10/20/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<b>Semivolatile Organic Compounds (SVOCs) by SIM</b>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acenaphthene	3400	37000	NA			0.00066	J	0.00015	NA			NA			NA			0.00081	J	0.00014
Acenaphthylene	NA	300000	NA			0.00055	J	0.00025	NA			NA			NA			0.00041	J	0.00023
Anthracene	17000	30000	NA			0.0009	J	0.00061	NA			NA			NA			0.0013	J	0.00057
Benzo[a]anthracene	0.600	2.00	NA			0.0016	J	0.00027	NA			NA			NA			0.0016	J	0.00025
Benzo[a]pyrene	0.200	0.200	NA			ND	U	0.00026	NA			NA			NA			ND	U	0.00024
Benzo[b]fluoranthene	0.600	2.00	NA			0.0023	J	0.00041	NA			NA			NA			0.002	J	0.00038
Benzo[g,h,i]perylene	380000	30000	NA			ND	U	0.00053	NA			NA			NA			ND	U	0.00049
Benzo[k]fluoranthene	6.00	23.0	NA			0.00072	J	0.00044	NA			NA			NA			ND	U	0.0004
Chrysene	62.0	230	NA			0.002	J	0.00029	NA			NA			NA			0.0018	J	0.00026
Dibenzo[a,h]anthracene	0.200	0.200	NA			ND	U	0.00041	NA			NA			NA			ND	U	0.00038
Fluoranthene	2300	24000	NA			0.0028	J	0.00026	NA			NA			NA			0.003	J	0.00024
Fluorene	2300	24000	NA			0.00082	J	0.00019	NA			NA			NA			0.00086	J	0.00018
Indeno[1,2,3-c,d]pyrene	0.600	2.00	NA			0.00091	J	0.00045	NA			NA			NA			ND	U	0.00041
Naphthalene	6.00	17.0	NA			0.0013	J	0.00037	NA			NA			NA			0.0042	J	0.00034
Phenanthrene	NA	300000	NA			0.0028	J	0.00023	NA			NA			NA			0.0022	J	0.00021
Pyrene	1700	18000	NA			0.0031	J	0.00025	NA			NA			NA			0.0029	J	0.00023
<b>Inorganics</b>																				
Aluminum	78000	NA	10400		16.9	7430		15.6	6250		13.7	4730		12.9	8140		13.7	9830		14.3
Antimony	31.0	450	0.71	J	0.43	ND	U	0.4	1	J	0.35	0.55	J	0.33	0.6	J	0.35	ND	U	0.36
Arsenic	19.0	19.0	10.8		0.65	3.1		0.6	11		0.53	3.2		0.5	9.4		0.53	3.2		0.55
Barium	16000	59000	133		1	52		0.96	100		0.84	41.1		0.79	62		0.84	55.8		0.88
Beryllium	16.0	140	0.93		0.21	0.37	J	0.2	0.65		0.17	0.43	J	0.16	0.61		0.17	0.47	J	0.18
Cadmium	78.0	78.0	16.9		0.21	0.22	J	0.2	0.67		0.17	0.21	J	0.16	1.4		0.17	ND	U	0.18
Calcium	NA	NA	NA			NA			NA			NA			NA			NA		
Chromium	NA	NA	33.8		0.43	17		0.4	13.8		0.35	10.5		0.33	19.7		0.35	21.6		0.36
Cobalt	1600	590	9.8		1	4.7		0.96	11.3		0.84	4.4		0.79	10.9		0.84	5.5		0.88
Copper	3100	45000	111		1	4		0.96	74.7		0.84	21.9		0.79	70.9		0.84	4.2		0.88
Iron	NA	NA	45900		10.4	12600		9.6	22500		8.4	9380		7.9	15300		8.4	13300		8.8
Lead	400	800	217		0.43	4.3		0.4	145		0.35	33.1		0.33	209		0.35	4.9		0.36
Magnesium	NA	NA	NA			NA			NA			NA			NA			NA		
Manganese	11000	5900	688		1	323		0.96	130		0.84	108		0.79	115		0.84	160		0.88
Mercury	23.0	65.0	0.11	J	0.099	ND	U	0.09	0.31		0.067	0.25		0.07	0.78		0.072	ND	U	0.07
Nickel	1600	23000	18		1	9.7		0.96	21		0.84	8.8		0.79	30.1		0.84	11.7		0.88
Potassium	NA	NA	NA			NA			NA			NA			NA			NA		
Selenium	390	5700	11.2		1	3.2		0.96	2.9		0.84	1.8	J	0.79	4.9		0.84	3.6		0.88
Silver	390	5700	ND	U	0.43	ND	U	0.4	0.79	J	0.35	ND	U	0.33	ND	U	0.35	ND	U	0.36
Sodium	NA	NA	381		6.5	132		6	707		5.3	235		5	185		5.3	249		5.5
Thallium	5.00	79.0	ND	U	0.21	ND	U	0.2	0.32	J	0.17	ND	U	0.16	0.3	J	0.17	ND	U	0.18
Vanadium	78.0	1100	29.3		0.65	16.8		0.6	21.7		0.53	11.9		0.5	20.3		0.53	22		0.55
Zinc	23000	110000	295		1	31.4		0.96	277		0.84	60.9		0.79	569		0.84	32.5		0.88
<b>General Chemistry</b>																				
Cyanide	1600	23000	2.6		0.088	0.47		0.08	0.79		0.067	1.6		0.07	1.7		0.077	0.49		0.073
Solids, Percent (%)			NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRs (MG/KG)	NRDCSRs (MG/KG)	SJPC-28 [4.5-5.0] 9933547010 10/19/2011 MG/KG			SJPC-28 [6.7-7.2] 9933547011 10/19/2011 MG/KG			SJPC-28 [22.0-22.5] 9933547012 10/19/2011 MG/KG			SJPC-29 [2.5-3.0] 9933547005 10/19/2011 MG/KG			SJPC-29 [5.3-5.8] 9933547006 10/19/2011 MG/KG			SJPC-29 [10.0-10.5] 9933547007 10/19/2011 MG/KG			SJPC-29 [18.0-18.5] 9933547008 10/19/2011 MG/KG		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Volatile Organic Compounds (VOCs)</b>																							
Acetone	70000	NA	0.632		0.0062	0.609		0.0067	0.104		0.0061	0.0961		0.0048	0.491		0.006	0.105		0.0063	0.357		0.0069
Benzene	2.00	5.00	ND	U	0.00067	0.0018	J	0.00073	0.00075	J	0.00066	0.00085	J	0.00052	0.0245		0.00065	ND	U	0.00069	0.0025	J	0.00075
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.00095	ND	U	0.001	ND	U	0.00094	ND	U	0.00074	ND	U	0.00093	ND	U	0.00097	ND	U	0.0011
Bromoform (THM)b	81.0	280	ND	U	0.0007	ND	U	0.00076	ND	U	0.00069	ND	U	0.00054	ND	U	0.00068	ND	U	0.00071	ND	U	0.00078
Bromomethane	25.0	59.0	ND	U	0.0007	ND	U	0.00076	ND	U	0.00069	ND	U	0.00054	ND	U	0.00068	ND	U	0.00071	ND	U	0.00078
2-Butanone (Methyl Ethyl Ketone)	3100	44000	ND	U	0.0043	ND	U	0.0047	ND	U	0.0042	ND	U	0.0033	0.0686		0.0042	ND	U	0.0044	ND	U	0.0048
Carbon Disulfide	7800	110000	ND	U	0.00084	0.0186		0.00092	0.0026	J	0.00084	0.0039		0.00066	0.0586		0.00083	ND	U	0.00086	0.0117		0.00094
Carbon Tetrachloride	0.600	2.00	ND	U	0.00068	ND	U	0.00074	ND	U	0.00068	ND	U	0.00053	ND	U	0.00067	ND	U	0.0007	ND	U	0.00076
Chlorobenzene	510	7400	ND	U	0.00068	0.0661		0.00074	0.004		0.00068	ND	U	0.00053	ND	U	0.00067	ND	U	0.0007	ND	U	0.00076
Chloroethane	220	1100	ND	U	0.0011	ND	U	0.0012	ND	U	0.0011	ND	U	0.00089	ND	U	0.0011	ND	U	0.0012	ND	U	0.0013
Chloroform (THM)b	0.600	2.00	ND	U	0.00071	ND	U	0.00077	ND	U	0.0007	ND	U	0.00055	ND	U	0.00069	ND	U	0.00073	ND	U	0.00079
Chloromethane	4.00	12.0	ND	U	0.00074	ND	U	0.0008	ND	U	0.00073	ND	U	0.00057	ND	U	0.00072	ND	U	0.00075	ND	U	0.00082
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.00091	ND	U	0.00099	ND	U	0.0009	ND	U	0.00071	ND	U	0.00089	ND	U	0.00093	ND	U	0.001
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0039	ND	U	0.0042	ND	U	0.0039	ND	U	0.003	ND	U	0.0038	ND	U	0.004	ND	U	0.0043
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.00072	ND	U	0.00079	ND	U	0.00072	ND	U	0.00056	ND	U	0.00071	ND	U	0.00074	ND	U	0.00081
1,2-Dichlorobenzene	5300	59000	ND	U	0.47	ND	U	0.0899	ND	U	0.252	ND	U	0.0226	ND	U	0.48	ND	U	0.28	ND	U	0.131
1,3-Dichlorobenzene	5300	59000	ND	U	0.352	0.188	J	0.0674	ND	U	0.189	ND	U	0.0169	ND	U	0.36	ND	U	0.21	ND	U	0.0979
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.232	0.158	J	0.0445	ND	U	0.125	ND	U	0.0112	ND	U	0.238	ND	U	0.138	ND	U	0.0646
1,1-Dichloroethane	8.00	24.0	ND	U	0.00067	ND	U	0.00073	ND	U	0.00066	ND	U	0.00052	ND	U	0.00065	ND	U	0.00069	ND	U	0.00075
1,2-Dichloroethane	0.900	3.00	ND	U	0.00067	ND	U	0.00073	ND	U	0.00066	ND	U	0.00052	ND	U	0.00065	ND	U	0.00069	ND	U	0.00075
1,1-Dichloroethene	11.0	150	ND	U	0.0007	ND	U	0.00076	ND	U	0.00069	ND	U	0.00054	ND	U	0.00068	ND	U	0.00071	ND	U	0.00078
cis-1,2-Dichloroethene	230	560	ND	U	0.00067	ND	U	0.00073	ND	U	0.00066	ND	U	0.00052	ND	U	0.00065	ND	U	0.00069	ND	U	0.00075
trans-1,2-Dichloroethene	300	720	ND	U	0.0007	ND	U	0.00076	ND	U	0.00069	ND	U	0.00054	ND	U	0.00068	ND	U	0.00071	ND	U	0.00078
1,2-Dichloropropane	2.00	5.00	ND	U	0.0008	ND	U	0.00087	ND	U	0.0008	ND	U	0.00063	ND	U	0.00079	ND	U	0.00082	ND	U	0.0009
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.00074	ND	U	0.0008	ND	U	0.00073	ND	U	0.00057	ND	U	0.00072	ND	U	0.00075	ND	U	0.00082
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.00078	ND	U	0.00084	ND	U	0.00077	ND	U	0.00061	ND	U	0.00076	ND	U	0.0008	ND	U	0.00087
Ethylbenzene	7800	110000	ND	U	0.00091	0.0029	J	0.00099	ND	U	0.0009	ND	U	0.00071	0.0031		0.00089	ND	U	0.00093	0.0024	J	0.001
Hexachlorobutadiene	6.00	25.0	ND	U	0.47	ND	U	0.0899	ND	U	0.252	ND	U	0.0226	ND	U	0.48	ND	U	0.28	ND	U	0.131
2-Hexanone	NA	NA	ND	U	0.0037	ND	U	0.0041	ND	U	0.0037	ND	U	0.0029	ND	U	0.0037	ND	U	0.0038	ND	U	0.0042
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.001	ND	U	0.0011	ND	U	0.001	ND	U	0.00081	ND	U	0.001	ND	U	0.0011	ND	U	0.0012
4-Methyl-2-pentanone	NA	NA	ND	U	0.0051	ND	U	0.0055	ND	U	0.005	ND	U	0.004	ND	U	0.005	ND	U	0.0052	ND	U	0.0057
Styrene	90.0	260	ND	U	0.00067	ND	U	0.00073	ND	U	0.00066	ND	U	0.00052	ND	U	0.00065	ND	U	0.00069	ND	U	0.00075
Tetrachloroethene	2.00	5.00	ND	U	0.0008	ND	U	0.00087	ND	U	0.0008	ND	U	0.00063	ND	U	0.00079	ND	U	0.00082	ND	U	0.0009
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.00075	ND	U	0.00082	ND	U	0.00074	ND	U	0.00058	ND	U	0.00073	ND	U	0.00077	ND	U	0.00084
Toluene	6300	91000	0.002	J	0.0009	0.004		0.00098	0.0018	J	0.00089	0.00076	J	0.0007	0.0237		0.00088	ND	U	0.00092	0.0084		0.001
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.216	ND	U	0.0414	ND	U	0.116	ND	U	0.0104	ND	U	0.221	ND	U	0.129	0.0719	J	0.0601
1,1,1-Trichloroethane	290	4200	ND	U	0.00083	ND	U	0.0009	ND	U	0.00082	ND	U	0.00065	ND	U	0.00081	ND	U	0.00085	ND	U	0.00093
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.00075	ND	U	0.00082	ND	U	0.00074	ND	U	0.00058	ND	U	0.00073	ND	U	0.00077	ND	U	0.00084
Trichloroethene	7.00	20.0	ND	U	0.00067	ND	U	0.00073	ND	U	0.00066	ND	U	0.00052	ND	U	0.00065	ND	U	0.00069	ND	U	0.00075
Vinyl Chloride	0.700	2.00	ND	U	0.00067	ND	U	0.00073	ND	U	0.00066	ND	U	0.00052	ND	U	0.00065	ND	U	0.00069	ND	U	0.00075
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			NA			NA		
o-Xylene	12000	170000	NA			NA			NA			NA			NA			NA			NA		

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RD CSRS (MG/KG)	NR DCRSRS (MG/KG)	SJPC-28 [4.5-5.0] 9933547010 10/19/2011 MG/KG			SJPC-28 [6.7-7.2] 9933547011 10/19/2011 MG/KG			SJPC-28 [22.0-22.5] 9933547012 10/19/2011 MG/KG			SJPC-29 [2.5-3.0] 9933547005 10/19/2011 MG/KG			SJPC-29 [5.3-5.8] 9933547006 10/19/2011 MG/KG			SJPC-29 [10.0-10.5] 9933547007 10/19/2011 MG/KG			SJPC-29 [18.0-18.5] 9933547008 10/19/2011 MG/KG		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Volatile Organic Compounds (VOCs)</b>																							
Xylenes	12000	170000	0.0038	J	0.0019	0.0124		0.002	0.0022	J	0.0019	ND	U	0.0015	0.0112		0.0018	ND	U	0.0019	0.0039	J	0.0021
Bromochloromethane	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Cyclohexane	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Dichlorodifluoromethane	230000	490	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
1,4-Dioxane	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Freon 113	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Isopropylbenzene	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Methyl Acetate	NA	78000	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Methyl Tert Butyl Ether	320	110	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Methylcyclohexane	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
1,2,3-Trichlorobenzene	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Trichlorofluoromethane	340000	23000	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
Total TIC, Volatile	NA	NA	NA			NA		NA	NA			NA		NA	NA			NA	NA		NA		NA
<b>Semivolatile Organic Compounds (SVOCs)</b>																							
Acenaphthene	3400	37000	ND	U	0.47	4.67		0.0899	1.28		0.252	0.0901		0.0226	25.4		0.48	0.573	J	0.28	2.93		0.131
Acenaphthylene	NA	300000	ND	U	0.258	0.968		0.0494	0.248	J	0.139	0.128		0.0124	ND	U	0.264	1.78	U	0.154	0.582		0.0718
Anthracene	17000	30000	0.749	J	0.282	2.19		0.0539	2.91		0.151	0.255		0.0135	62.5		0.288	1.78		0.168	4.82		0.0784
Benzo[a]anthracene	0.600	2.00	1.42		0.423	0.243		0.0809	4.45		0.227	1.21		0.0203	72.8		0.432	2.67		0.252	9.46		0.118
Benzo[a]pyrene	0.200	0.200	0.931	J	0.195	0.169	J	0.0373	3.45		0.105	0.843		0.0094	42.9		0.199	1.98		0.116	6.13		0.0542
Benzo[b]fluoranthene	0.600	2.00	1.51		0.329	0.347		0.0629	3.86		0.176	1.43		0.0158	67.1		0.336	3.13		0.196	8.38		0.0914
Benzo[g,h,i]perylene	380000	30000	0.469	J	0.197	0.128	J	0.0378	1.49		0.106	0.312		0.0095	11.4		0.202	0.889		0.117	1.98		0.0548
Benzo[k]fluoranthene	6.00	23.0	0.845	J	0.305	0.123	J	0.0584	1.54		0.164	0.631		0.0147	30.5		0.312	1.68		0.182	3.88		0.0849
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.634	ND	U	0.121	ND	U	0.34	ND	U	0.0305	ND	U	0.648	ND	U	0.377	ND	U	0.176
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.305	ND	U	0.0584	ND	U	0.164	ND	U	0.0147	ND	U	0.312	ND	U	0.182	ND	U	0.0849
bis(2-Ethylhexyl)phthalate	35.0	140	ND	U	0.329	0.107	J	0.0629	ND	U	0.176	0.435		0.0158	ND	U	0.336	25.4		0.196	1.93		0.0914
Butylbenzylphthalate	1200	14000	ND	U	0.221	ND	U	0.0423	ND	U	0.118	0.686		0.0106	ND	U	0.226	ND	U	0.131	ND	U	0.0614
Carbazole	24.0	96.0	ND	U	0.282	ND	U	0.0539	0.309	J	0.151	0.0788		0.0135	21.4		0.288	0.546	J	0.168	1.04		0.0784
4-Chloroaniline	NA	NA	ND	U	1.97	ND	U	0.378	ND	U	1.06	ND	U	0.0948	ND	U	2.02	ND	U	1.17	ND	U	0.548
4-Chloro-3-methylphenol	NA	NA	ND	U	0.493	ND	U	0.0944	ND	U	0.265	ND	U	0.0237	ND	U	0.504	ND	U	0.294	ND	U	0.137
2-Chloronaphthalene	NA	NA	ND	U	0.305	ND	U	0.0584	ND	U	0.164	ND	U	0.0147	ND	U	0.312	ND	U	0.182	ND	U	0.0849
2-Chlorophenol	310	2200	ND	U	0.54	ND	U	0.103	ND	U	0.29	ND	U	0.026	ND	U	0.552	ND	U	0.321	ND	U	0.15
Chrysene	62.0	230	1.07	J	0.221	0.257		0.0423	3.98		0.118	1.23		0.0106	62.9		0.226	2.28		0.131	9.76		0.0614
Dibenzo[a,h]anthracene	0.200	0.200	ND	U	0.195	0.0425	J	0.0373	0.525	J	0.105	0.128		0.0094	6.27		0.199	0.357	J	0.116	0.877		0.0542
3,3-Dichlorobenzidine	1.00	4.00	ND	U	1.34	ND	U	0.256	ND	U	0.718	ND	U	0.0644	ND	U	1.37	ND	U	0.797	ND	U	0.372
2,4-Dichlorophenol	180	2100	ND	U	0.399	ND	U	0.0764	ND	U	0.214	ND	U	0.0192	ND	U	0.408	ND	U	0.238	ND	U	0.111
Diethylphthalate	49000	550000	ND	U	0.195	ND	U	0.0373	ND	U	0.105	ND	U	0.0094	ND	U	0.199	ND	U	0.116	ND	U	0.0542
2,4-Dimethylphenol	1200	14000	ND	U	1.2	ND	U	0.229	ND	U	0.642	ND	U	0.0576	ND	U	1.22	ND	U	0.713	ND	U	0.333
Dimethylphthalate	NA	NA	ND	U	0.376	ND	U	0.0719	ND	U	0.202	ND	U	0.0181	ND	U	0.384	ND	U	0.224	ND	U	0.104
Di-n-butylphthalate	6100	68000	ND	U	0.258	ND	U	0.0494	ND	U	0.139	0.0141	J	0.0124	ND	U	0.264	0.433	J	0.154	ND	U	0.0718
Di-n-octylphthalate	2400	27000	ND	U	0.195	ND	U	0.0373	ND	U	0.105	0.0266	J	0.0094	ND	U	0.199	ND	U	0.116	ND	U	0.0542
2,4-Dinitrophenol	120	1400	ND	U	2.23	ND	U	0.427	ND	U	1.2	ND	U	0.107	ND	U	2.28	ND	U	1.33	ND	U	0.62
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.258	ND	U	0.0494	ND	U	0.139	ND	U	0.0124	ND	U	0.264	ND	U	0.154	ND	U	0.0718
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.282	ND	U	0.0539	ND	U	0.151	ND	U	0.0135	ND	U	0.288	ND	U	0.168	ND	U	0.0784

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:	SJPC-28 [4.5-5.0]			SJPC-28 [6.7-7.2]			SJPC-28 [22.0-22.5]			SJPC-29 [2.5-3.0]			SJPC-29 [5.3-5.8]			SJPC-29 [10.0-10.5]			SJPC-29 [18.0-18.5]				
LAB ID:	9933547010			9933547011			9933547012			9933547005			9933547006			9933547007			9933547008				
COLLECTION DATE:	10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011			10/19/2011				
SAMPLE UNITS:	RDCSRs (MG/KG)	NRDCSRs (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG					
<i>Semivolatile Organic Compounds (SVOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Fluoranthene	2300	24000	1.96		0.258	1.01		0.0494	11.3		0.139	1.94		0.0124	167		0.66	5.3		0.154	19.3		0.0718
Fluorene	2300	24000	0.35	J	0.218	6.6		0.0418	1.2		0.117	0.0909		0.0105	36.8		0.223	0.98		0.13	3.25		0.0607
Hexachlorobenzene	0.300	1.00	ND	U	0.54	ND	U	0.103	ND	U	0.29	ND	U	0.026	ND	U	0.552	ND	U	0.321	ND	U	0.15
Hexachlorocyclopentadiene	45.0	110	ND	U	1.83	ND	U	0.351	ND	U	0.983	ND	U	0.0881	ND	U	1.87	ND	U	1.09	ND	U	0.509
Hexachloroethane	35.0	140	ND	U	0.516	ND	U	0.0989	ND	U	0.277	ND	U	0.0248	ND	U	0.528	ND	U	0.307	ND	U	0.144
Indeno[1,2,3-c,d]pyrene	0.600	2.00	0.408	J	0.195	0.118	J	0.0373	1.51		0.105	0.321		0.0094	12.8		0.199	0.792		0.116	1.9		0.0542
Isophorone	510	2000	ND	U	0.305	ND	U	0.0584	ND	U	0.164	ND	U	0.0147	ND	U	0.312	ND	U	0.182	ND	U	0.0849
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	2.02	ND	U	0.387	ND	U	1.08	ND	U	0.0971	ND	U	2.06	ND	U	1.2	ND	U	0.562
2-Methylnaphthalene	230	2400	0.32	J	0.2	0.992		0.0382	ND	U	0.107	0.0314	J	0.0096	10		0.204	0.122	J	0.119	0.887		0.0555
2-Methylphenol	310	3400	ND	U	0.634	ND	U	0.121	ND	U	0.34	ND	U	0.0305	ND	U	0.648	ND	U	0.377	ND	U	0.176
4-Methylphenol	31.0	340	ND	U	0.305	ND	U	0.0584	ND	U	0.164	ND	U	0.0147	ND	U	0.312	ND	U	0.182	ND	U	0.0849
Naphthalene	6.00	17.0	ND	U	0.423	0.479		0.0809	ND	U	0.227	0.0453	J	0.0203	1.11	J	0.432	ND	U	0.252	1.61		0.118
2-Nitroaniline	39.0	23000	ND	U	1.48	ND	U	0.283	ND	U	0.794	ND	U	0.0711	ND	U	1.51	ND	U	0.881	ND	U	0.411
Nitrobenzene	31.0	340	ND	U	1.2	ND	U	0.229	ND	U	0.642	ND	U	0.0576	ND	U	1.22	ND	U	0.713	ND	U	0.333
N-Nitrosodiphenylamine	99.0	390	ND	U	0.282	ND	U	0.0539	ND	U	0.151	ND	U	0.0135	ND	U	0.288	ND	U	0.168	ND	U	0.0784
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.657	ND	U	0.126	ND	U	0.353	ND	U	0.0316	ND	U	0.672	ND	U	0.391	ND	U	0.183
Pentachlorophenol	3.00	10.0	ND	U	1.5	ND	U	0.288	ND	U	0.806	ND	U	0.0723	ND	U	1.54	ND	U	0.895	ND	U	0.418
Phenanthrene	NA	300000	1.77		0.305	1.33		0.0584	4.59		0.164	0.717		0.0147	175		0.78	8.63		0.182	22.8		0.0849
Phenol	18000	210000	ND	U	0.963	ND	U	0.184	ND	U	0.516	ND	U	0.0463	ND	U	0.984	ND	U	0.573	ND	U	0.268
Pyrene	1700	18000	3.27		0.235	1		0.045	9.28		0.126	3.22		0.0113	152		0.24	9.09		0.14	16.9		0.131
2,4,5-Trichlorophenol	6100	68000	ND	U	1.41	ND	U	0.27	ND	U	0.756	ND	U	0.0677	ND	U	1.44	ND	U	0.839	ND	U	0.392
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.728	ND	U	0.139	ND	U	0.39	ND	U	0.035	ND	U	0.744	ND	U	0.433	ND	U	0.202
Acetophenone	5	2	NA			NA			NA			NA			NA			NA			NA		
Atrazine	2400	210	NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	68000	6100	NA			NA			NA			NA			NA			NA			NA		
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Caprolactam	340000	31000	NA			NA			NA			NA			NA			NA			NA		
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	25	6	NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA			NA			NA			NA		

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012



Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRs (MG/KG)	NRDCSRs (MG/KG)	SJPC-28 [4.5-5.0] 9933547010 10/19/2011 MG/KG			SJPC-28 [6.7-7.2] 9933547011 10/19/2011 MG/KG			SJPC-28 [22.0-22.5] 9933547012 10/19/2011 MG/KG			SJPC-29 [2.5-3.0] 9933547005 10/19/2011 MG/KG			SJPC-29 [5.3-5.8] 9933547006 10/19/2011 MG/KG			SJPC-29 [10.0-10.5] 9933547007 10/19/2011 MG/KG			SJPC-29 [18.0-18.5] 9933547008 10/19/2011 MG/KG		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Semivolatile Organic Compounds (SVOCs) by SIM</b>																							
Acenaphthene	3400	37000	NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	NA	300000	NA			NA			NA			NA			NA			NA			NA		
Anthracene	17000	30000	NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	0.600	2.00	NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	0.200	0.200	NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	0.600	2.00	NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	380000	30000	NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	6.00	23.0	NA			NA			NA			NA			NA			NA			NA		
Chrysene	62.0	230	NA			NA			NA			NA			NA			NA			NA		
Dibenzo[a,h]anthracene	0.200	0.200	NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	2300	24000	NA			NA			NA			NA			NA			NA			NA		
Fluorene	2300	24000	NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	0.600	2.00	NA			NA			NA			NA			NA			NA			NA		
Naphthalene	6.00	17.0	NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	NA	300000	NA			NA			NA			NA			NA			NA			NA		
Pyrene	1700	18000	NA			NA			NA			NA			NA			NA			NA		
<b>Inorganics</b>																							
Aluminum	78000	NA	3550	13.2		4560	12.8		4990	15		7050	13.8		8860	15.3		10900	16.9		3450	16.8	
Antimony	31.0	450	10.8	0.33		7.8	0.32		0.56	J	0.38	2.5	0.35		2.2	0.39		7.4	0.43		3.5	0.43	
Arsenic	19.0	19.0	15	0.51		8.9	0.49		3.7	0.58		5.8	0.53		8	0.59		9.5	0.65		7.4	0.65	
Barium	16000	59000	60.3	0.81		31	0.79		30.6	0.93		163	0.85		106	0.94		129	1		176	1	
Beryllium	16.0	140	0.47	J		0.43	J		0.26	J		0.43	J		0.18	J		1.8	0.19		0.57	J	
Cadmium	78.0	78.0	4.6			2.1	0.16		0.22	J		1.5	0.18		3.5	0.19		14.2	0.21		1.4	J	
Calcium	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Chromium	NA	NA	20.3	0.33		15.6	0.32		14.6	0.38		39.8	0.35		25.2	0.39		26.5	0.43		22	0.43	
Cobalt	1600	590	5.4	0.81		6.1	0.79		4.1	0.93		4.3	0.85		4.5	0.94		5.6	1		9.7	1	
Copper	3100	45000	457	0.81		151	0.79		7.9	0.93		64.3	0.85		52.1	0.94		156	1		61.1	1	
Iron	NA	NA	19400	8.1		18700	7.9		9820	9.3		17500	8.5		14900	9.4		17000	10.4		15300	10.3	
Lead	400	800	293	0.33		213	0.32		26.1	0.38		173	0.35		191	0.39		275	0.43		535	0.43	
Magnesium	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Manganese	11000	5900	304	0.81		118	0.79		150	0.93		275	0.85		175	0.94		314	1		109	1	
Mercury	23.0	65.0	0.5	0.073		0.14	J		0.15	J		0.26	0.07		0.41	0.071		0.3	0.086		0.44	0.087	
Nickel	1600	23000	12.7	0.81		9.5	0.79		7.9	0.93		18.6	0.85		12.8	0.94		12.9	1		15.2	1	
Potassium	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Selenium	390	5700	3	0.81		3.5	0.79		2.4	J		1.5	J		4	0.94		2.8	J		1.6	J	
Silver	390	5700	0.46	J		ND	U		ND	U		ND	0.35		ND	U		1.2	J		0.43	ND	U
Sodium	NA	NA	155	5.1		91.7	4.9		139	5.8		730	5.3		777	5.9		375	6.5		241	6.5	
Thallium	5.00	79.0	0.38	J		0.17	J		ND	U		0.19	0.55		0.7	0.19		1.1	0.21		0.41	J	
Vanadium	78.0	1100	23.8	0.51		21.3	0.49		12	0.58		40	0.53		44.8	0.59		33.2	0.65		13.5	0.65	
Zinc	23000	110000	400	0.81		204	0.79		56.1	0.93		383	0.85		293	0.94		1520	1		305	1	
<b>General Chemistry</b>																							
Cyanide	1600	23000	1.4	0.07		0.41	0.069		0.43	0.073		0.44	0.065		0.24	J		0.35	0.083		5.2	0.078	
Solids, Percent (%)			NA			NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-29 [23.5-24.0]			SJPC-30 [2.0-2.5]			SJPC-30 [5.0-5.5]			SJPC-30 [6.0-6.5]			SJPC-30 [10.7-11.2]			SJPC-30 [24.0-24.5]		
LAB ID:			9933547009			9932971001			9932971002			9932971003			9932971004			9932971005		
COLLECTION DATE:			10/19/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acetone	70000	NA	0.163		0.0066	0.151		0.0053	0.152		0.0055	0.0814		0.0061	0.456		0.0135	0.118		0.0058
Benzene	2.00	5.00	ND	U	0.00071	0.0016	J	0.00057	ND	U	0.0006	ND	U	0.00066	0.0015	J	0.0015	ND	U	0.00063
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.001	ND	U	0.00081	ND	U	0.00085	ND	U	0.00094	ND	U	0.0021	ND	U	0.0009
Bromoform (THM)b	81.0	280	ND	U	0.00074	ND	U	0.0006	ND	U	0.00062	ND	U	0.00069	ND	U	0.0015	ND	U	0.00066
Bromomethane	25.0	59.0	ND	U	0.00074	ND	U	0.0006	ND	U	0.00062	ND	U	0.00069	ND	U	0.0015	ND	U	0.00066
2-Butanone (Methyl Ethyl Ketone)	3100	44000	0.0129	J	0.0046	0.0088	J	0.0037	ND	U	0.0038	ND	U	0.0042	0.0273	J	0.0094	ND	U	0.0041
Carbon Disulfide	7800	110000	0.0029		0.0009	0.0012	J	0.00072	ND	U	0.00076	ND	U	0.00084	0.0033	J	0.0019	ND	U	0.0008
Carbon Tetrachloride	0.600	2.00	ND	U	0.00073	ND	U	0.00059	ND	U	0.00061	ND	U	0.00068	ND	U	0.0015	ND	U	0.00065
Chlorobenzene	510	7400	ND	U	0.00073	ND	U	0.00059	ND	U	0.00061	ND	U	0.00068	ND	U	0.0015	ND	U	0.00065
Chloroethane	220	1100	ND	U	0.0012	ND	U	0.00098	ND	U	0.001	ND	U	0.0011	ND	U	0.0025	ND	U	0.0011
Chloroform (THM)b	0.600	2.00	ND	U	0.00076	ND	U	0.00061	ND	U	0.00064	ND	U	0.0007	ND	U	0.0016	ND	U	0.00067
Chloromethane	4.00	12.0	ND	U	0.00079	ND	U	0.00063	ND	U	0.00066	ND	U	0.00073	ND	U	0.0016	ND	U	0.0007
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.00097	ND	U	0.00078	ND	U	0.00082	ND	U	0.0009	ND	U	0.002	ND	U	0.00086
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0041	ND	U	0.0033	ND	U	0.0035	ND	U	0.0039	ND	U	0.0085	ND	U	0.0037
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.00077	ND	U	0.00062	ND	U	0.00065	ND	U	0.00072	ND	U	0.0016	ND	U	0.00069
1,2-Dichlorobenzene	5300	59000	ND	U	0.0255	ND	U	0.0217	0.0612	J	0.0241	ND	U	0.0252	ND	U	0.0283	ND	U	0.027
1,3-Dichlorobenzene	5300	59000	ND	U	0.0191	ND	U	0.0163	ND	U	0.0181	ND	U	0.0189	ND	U	0.0212	ND	U	0.0203
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.0126	0.0114	J	0.0107	ND	U	0.012	ND	U	0.0125	ND	U	0.014	ND	U	0.0134
1,1-Dichloroethane	8.00	24.0	ND	U	0.00071	ND	U	0.00057	ND	U	0.0006	ND	U	0.00066	ND	U	0.0015	ND	U	0.00063
1,2-Dichloroethane	0.900	3.00	ND	U	0.00071	ND	U	0.00057	ND	U	0.0006	ND	U	0.00066	ND	U	0.0015	ND	U	0.00063
1,1-Dichloroethene	11.0	150	ND	U	0.00074	ND	U	0.0006	ND	U	0.00062	ND	U	0.00069	ND	U	0.0015	ND	U	0.00066
cis-1,2-Dichloroethene	230	560	ND	U	0.00071	ND	U	0.00057	ND	U	0.0006	ND	U	0.00066	ND	U	0.0015	ND	U	0.00063
trans-1,2-Dichloroethene	300	720	ND	U	0.00074	ND	U	0.0006	ND	U	0.00062	ND	U	0.00069	ND	U	0.0015	ND	U	0.00066
1,2-Dichloropropane	2.00	5.00	ND	U	0.00086	ND	U	0.00069	ND	U	0.00072	ND	U	0.0008	ND	U	0.0018	ND	U	0.00076
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.00079	ND	U	0.00063	ND	U	0.00066	ND	U	0.00073	ND	U	0.0016	ND	U	0.0007
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.00083	ND	U	0.00067	ND	U	0.0007	ND	U	0.00077	ND	U	0.0017	ND	U	0.00074
Ethylbenzene	7800	110000	ND	U	0.00097	ND	U	0.00078	ND	U	0.00082	ND	U	0.0009	ND	U	0.002	ND	U	0.00086
Hexachlorobutadiene	6.00	25.0	ND	U	0.0255	ND	U	0.0217	ND	U	0.0241	ND	U	0.0252	ND	U	0.0283	ND	U	0.027
2-Hexanone	NA	NA	ND	U	0.004	ND	U	0.0032	ND	U	0.0034	ND	U	0.0037	ND	U	0.0082	ND	U	0.0036
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.0011	ND	U	0.0009	ND	U	0.00094	ND	U	0.001	ND	U	0.0023	ND	U	0.00099
4-Methyl-2-pentanone	NA	NA	ND	U	0.0054	ND	U	0.0044	ND	U	0.0046	ND	U	0.005	ND	U	0.0112	ND	U	0.0048
Styrene	90.0	260	ND	U	0.00071	ND	U	0.00057	ND	U	0.0006	ND	U	0.00066	ND	U	0.0015	ND	U	0.00063
Tetrachloroethene	2.00	5.00	ND	U	0.00086	ND	U	0.00069	ND	U	0.00072	ND	U	0.0008	ND	U	0.0018	ND	U	0.00076
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.0008	ND	U	0.00064	ND	U	0.00067	ND	U	0.00074	ND	U	0.0016	ND	U	0.00071
Toluene	6300	91000	ND	U	0.00096	0.0012	J	0.00077	ND	U	0.0008	ND	U	0.00089	0.0036	J	0.002	ND	U	0.00085
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.0117	ND	U	0.01	ND	U	0.0111	ND	U	0.0116	ND	U	0.013	ND	U	0.0124
1,1,1-Trichloroethane	290	4200	ND	U	0.00089	ND	U	0.00071	ND	U	0.00074	ND	U	0.00082	ND	U	0.0018	ND	U	0.00079
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.0008	ND	U	0.00064	ND	U	0.00067	ND	U	0.00074	ND	U	0.0016	ND	U	0.00071
Trichloroethene	7.00	20.0	ND	U	0.00071	ND	U	0.00057	ND	U	0.0006	ND	U	0.00066	ND	U	0.0015	ND	U	0.00063
Vinyl Chloride	0.700	2.00	ND	U	0.00071	ND	U	0.00057	ND	U	0.0006	ND	U	0.00066	ND	U	0.0015	ND	U	0.00063
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		
o-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-29 [23.5-24.0]			SJPC-30 [2.0-2.5]			SJPC-30 [5.0-5.5]			SJPC-30 [6.0-6.5]			SJPC-30 [10.7-11.2]			SJPC-30 [24.0-24.5]		
LAB ID:			9933547009			9932971001			9932971002			9932971003			9932971004			9932971005		
COLLECTION DATE:			10/19/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Xylenes	12000	170000	ND	U	0.002	ND	U	0.0016	ND	U	0.0017	ND	U	0.0019	ND	U	0.0041	ND	U	0.0018
Bromochloromethane	NA	NA	NA			NA			NA			NA			NA			NA		
Cyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	230000	490	NA			NA			NA			NA			NA			NA		
1,4-Dioxane	NA	NA	NA			NA			NA			NA			NA			NA		
Freon 113	NA	NA	NA			NA			NA			NA			NA			NA		
Isopropylbenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Methyl Acetate	NA	78000	NA			NA			NA			NA			NA			NA		
Methyl Tert Butyl Ether	320	110	NA			NA			NA			NA			NA			NA		
Methylcyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Trichlorofluoromethane	340000	23000	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Volatile	NA	NA	NA			NA			NA			NA			NA			NA		
<i>Semivolatile Organic Compounds (SVOCs)</i>																				
Acenaphthene	3400	37000	0.567		0.0255	1.13		0.0217	1.3		0.0241	0.0862		0.0252	0.395		0.0283	ND	U	0.027
Acenaphthylene	NA	300000	ND	U	0.014	0.134		0.0119	0.301		0.0133	0.0598	J	0.0139	ND	U	0.0156	ND	U	0.0149
Anthracene	17000	30000	ND	U	0.0153	2.19		0.013	1.54		0.0145	0.383		0.0151	0.685		0.017	ND	U	0.0162
Benzo[a]anthracene	0.600	2.00	0.0277	J	0.0229	6.09		0.0976	2.45		0.0217	1.24		0.0227	1.19		0.0255	ND	U	0.0243
Benzo[a]pyrene	0.200	0.200	0.0155	J	0.0106	5.73		0.045	2.36		0.01	1.12		0.0105	1.04		0.0118	ND	U	0.0112
Benzo[b]fluoranthene	0.600	2.00	0.0194	J	0.0178	9.31		0.0759	3.76		0.0169	1.54		0.0177	1.61		0.0198	ND	U	0.0189
Benzo[g,h,i]perylene	380000	30000	ND	U	0.0107	0.948		0.0091	0.382		0.0101	0.197		0.0106	0.217		0.0119	ND	U	0.0114
Benzo[k]fluoranthene	6.00	23.0	ND	U	0.0165	3.76		0.0141	1.76		0.0157	0.692		0.0164	0.586		0.0184	ND	U	0.0176
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.0344	ND	U	0.0293	ND	U	0.0326	ND	U	0.0341	ND	U	0.0382	ND	U	0.0365
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.0165	ND	U	0.0141	ND	U	0.0157	ND	U	0.0164	ND	U	0.0184	ND	U	0.0176
bis(2-Ethylhexyl)phthalate	35.0	140	ND	U	0.0178	0.382		0.0152	0.0311	J	0.0169	ND	U	0.0177	0.543		0.0198	ND	U	0.0189
Butylbenzylphthalate	1200	14000	ND	U	0.012	0.124		0.0102	ND	U	0.0114	ND	U	0.0119	ND	U	0.0133	ND	U	0.0127
Carbazole	24.0	96.0	ND	U	0.0153	0.924		0.013	ND	U	0.0145	0.0283	J	0.0151	0.18		0.017	ND	U	0.0162
4-Chloroaniline	NA	NA	ND	U	0.107	ND	U	0.0911	ND	U	0.101	ND	U	0.106	ND	U	0.119	ND	U	0.114
4-Chloro-3-methylphenol	NA	NA	ND	U	0.0267	ND	U	0.0228	ND	U	0.0254	ND	U	0.0265	ND	U	0.0297	ND	U	0.0284
2-Chloronaphthalene	NA	NA	ND	U	0.0165	ND	U	0.0141	ND	U	0.0157	ND	U	0.0164	ND	U	0.0184	ND	U	0.0176
2-Chlorophenol	310	2200	ND	U	0.0293	ND	U	0.0249	ND	U	0.0278	ND	U	0.029	ND	U	0.0326	ND	U	0.0311
Chrysene	62.0	230	0.0232	J	0.012	6.27		0.051	2.49		0.0114	1.15		0.0119	1.35		0.0133	ND	U	0.0127
Dibenzo[a,h]anthracene	0.200	0.200	ND	U	0.0106	0.384		0.009	0.101		0.01	0.0614	J	0.0105	0.0933		0.0118	ND	U	0.0112
3,3-Dichlorobenzidine	1.00	4.00	ND	U	0.0725	ND	U	0.0618	ND	U	0.0688	ND	U	0.072	ND	U	0.0807	ND	U	0.0771
2,4-Dichlorophenol	180	2100	ND	U	0.0216	ND	U	0.0184	ND	U	0.0205	ND	U	0.0215	ND	U	0.0241	ND	U	0.023
Diethylphthalate	49000	550000	ND	U	0.0106	ND	U	0.009	ND	U	0.01	ND	U	0.0105	ND	U	0.0118	ND	U	0.0112
2,4-Dimethylphenol	1200	14000	ND	U	0.0649	ND	U	0.0553	0.106	J	0.0616	ND	U	0.0644	ND	U	0.0722	ND	U	0.069
Dimethylphthalate	NA	NA	ND	U	0.0204	ND	U	0.0174	ND	U	0.0193	ND	U	0.0202	ND	U	0.0227	ND	U	0.0216
Di-n-butylphthalate	6100	68000	ND	U	0.014	0.0142	J	0.0119	ND	U	0.0133	ND	U	0.0139	ND	U	0.0156	ND	U	0.0149
Di-n-octylphthalate	2400	27000	ND	U	0.0106	0.0138	J	0.009	ND	U	0.01	ND	U	0.0105	ND	U	0.0118	ND	U	0.0112
2,4-Dinitrophenol	120	1400	ND	U	0.121	ND	U	0.103	ND	U	0.115	ND	U	0.12	ND	U	0.135	ND	U	0.128
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.014	ND	U	0.0119	ND	U	0.0133	ND	U	0.0139	ND	U	0.0156	ND	U	0.0149
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.0153	ND	U	0.013	ND	U	0.0145	ND	U	0.0151	ND	U	0.017	ND	U	0.0162

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RD (MG/KG)	NR (MG/KG)	SJPC-29 [23.5-24.0]			SJPC-30 [2.0-2.5]			SJPC-30 [5.0-5.5]			SJPC-30 [6.0-6.5]			SJPC-30 [10.7-11.2]			SJPC-30 [24.0-24.5]		
			9933547009			9932971001			9932971002			9932971003			9932971004			9932971005		
			10/19/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011		
MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
Semivolatile Organic Compounds (SVOCs)			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Fluoranthene	2300	24000	0.0497	J	0.014	15.2		0.0597	4.37		0.0133	1.39		0.0139	2.35		0.0156	ND	U	0.0149
Fluorene	2300	24000	0.196		0.0118	1.17		0.0101	1.53		0.0112	0.131		0.0117	0.324		0.0132	ND	U	0.0126
Hexachlorobenzene	0.300	1.00	ND	U	0.0293	ND	U	0.0249	ND	U	0.0278	ND	U	0.029	ND	U	0.0326	ND	U	0.0311
Hexachlorocyclopentadiene	45.0	110	ND	U	0.0993	ND	U	0.0846	ND	U	0.0942	ND	U	0.0985	ND	U	0.11	ND	U	0.105
Hexachloroethane	35.0	140	ND	U	0.028	ND	U	0.0239	ND	U	0.0266	ND	U	0.0278	ND	U	0.0311	ND	U	0.0298
Indeno[1,2,3-c,d]pyrene	0.600	2.00	ND	U	0.0106	1.12		0.009	0.408		0.01	0.259		0.0105	0.232		0.0118	ND	U	0.0112
Isophorone	510	2000	ND	U	0.0165	ND	U	0.0141	ND	U	0.0157	ND	U	0.0164	ND	U	0.0184	ND	U	0.0176
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	0.109	ND	U	0.0933	ND	U	0.104	ND	U	0.109	ND	U	0.122	ND	U	0.116
2-Methylnaphthalene	230	2400	ND	U	0.0108	0.301		0.0092	0.475		0.0103	0.0367	J	0.0107	0.0716		0.012	ND	U	0.0115
2-Methylphenol	310	3400	ND	U	0.0344	ND	U	0.0293	ND	U	0.0326	ND	U	0.0341	ND	U	0.0382	ND	U	0.0365
4-Methylphenol	31.0	340	ND	U	0.0165	0.0273	J	0.0141	0.0171	J	0.0157	ND	U	0.0164	ND	U	0.0184	ND	U	0.0176
Naphthalene	6.00	17.0	ND	U	0.0229	0.533		0.0195	0.239		0.0217	0.0436	J	0.0227	0.119		0.0255	ND	U	0.0243
2-Nitroaniline	39.0	23000	ND	U	0.0802	ND	U	0.0683	ND	U	0.0761	ND	U	0.0795	ND	U	0.0892	ND	U	0.0852
Nitrobenzene	31.0	340	ND	U	0.0649	ND	U	0.0553	ND	U	0.0616	ND	U	0.0644	ND	U	0.0722	ND	U	0.069
N-Nitrosodiphenylamine	99.0	390	ND	U	0.0153	ND	U	0.013	ND	U	0.0145	ND	U	0.0151	ND	U	0.017	ND	U	0.0162
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.0356	ND	U	0.0304	ND	U	0.0338	ND	U	0.0353	ND	U	0.0396	ND	U	0.0379
Pentachlorophenol	3.00	10.0	ND	U	0.0815	ND	U	0.0694	ND	U	0.0773	ND	U	0.0808	ND	U	0.0906	ND	U	0.0865
Phenanthrene	NA	300000	0.0919		0.0165	11.4		0.0705	4.19		0.0157	0.737		0.0164	1.32		0.0184	ND	U	0.0176
Phenol	18000	210000	ND	U	0.0522	ND	U	0.0445	ND	U	0.0495	ND	U	0.0518	ND	U	0.058	ND	U	0.0554
Pyrene	1700	18000	0.0525	J	0.0127	11.2		0.0542	4.09		0.0121	1.67		0.0126	2.64		0.0142	ND	U	0.0135
2,4,5-Trichlorophenol	6100	68000	ND	U	0.0764	ND	U	0.0651	ND	U	0.0724	ND	U	0.0757	ND	U	0.085	ND	U	0.0811
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.0395	ND	U	0.0336	ND	U	0.0374	ND	U	0.0391	ND	U	0.0439	ND	U	0.0419
Acetophenone	5	2	NA			NA			NA			NA			NA			NA		
Atrazine	2400	210	NA			NA			NA			NA			NA			NA		
Benzaldehyde	68000	6100	NA			NA			NA			NA			NA			NA		
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Caprolactam	340000	31000	NA			NA			NA			NA			NA			NA		
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Dibenzofuran	NA	NA	NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	25	6	NA			NA			NA			NA			NA			NA		
3-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
4-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-29 [23.5-24.0]			SJPC-30 [2.0-2.5]			SJPC-30 [5.0-5.5]			SJPC-30 [6.0-6.5]			SJPC-30 [10.7-11.2]			SJPC-30 [24.0-24.5]			
LAB ID:			9933547009			9932971001			9932971002			9932971003			9932971004			9932971005			
COLLECTION DATE:			10/19/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011			10/17/2011			
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			
<i>Semivolatile Organic Compounds (SVOCs) by SIM</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
Acenaphthene	3400	37000	0.828		0.00014	NA			NA			0.0649		0.00014	NA			ND	U	0.00015	
Acenaphthylene	NA	300000	ND	U	0.00023	NA			NA			0.0718		0.00023	NA			0.0003	J	0.00024	
Anthracene	17000	30000	0.0174		0.00057	NA			NA			0.33		0.00057	NA			ND	U	0.00061	
Benzo[a]anthracene	0.600	2.00	0.031		0.00025	NA			NA			1.51		0.00025	NA			0.00057	J	0.00027	
Benzo[a]pyrene	0.200	0.200	0.0238		0.00024	NA			NA			1.06		0.00024	NA			ND	U	0.00026	
Benzo[b]fluoranthene	0.600	2.00	0.0277		0.00038	NA			NA			1.57		0.00038	NA			0.0011	J	0.00041	
Benzo[g,h,i]perylene	380000	30000	0.0121		0.0005	NA			NA			0.312		0.00049	NA			ND	U	0.00053	
Benzo[k]fluoranthene	6.00	23.0	0.0119		0.00041	NA			NA			0.557		0.0004	NA			ND	U	0.00043	
Chrysene	62.0	230	0.0291		0.00027	NA			NA			1.18		0.00027	NA			ND	U	0.00028	
Dibenzo[a,h]anthracene	0.200	0.200	0.0046		0.00038	NA			NA			0.134		0.00038	NA			ND	U	0.00041	
Fluoranthene	2300	24000	0.0609		0.00024	NA			NA			1.44		0.00024	NA			0.001	J	0.00026	
Fluorene	2300	24000	0.271		0.00018	NA			NA			0.154		0.00018	NA			0.00028	J	0.00019	
Indeno[1,2,3-c,d]pyrene	0.600	2.00	0.01		0.00042	NA			NA			0.352		0.00042	NA			ND	U	0.00045	
Naphthalene	6.00	17.0	0.0082		0.00034	NA			NA			0.0441		0.00034	NA			0.0016	J	0.00037	
Phenanthrene	NA	300000	0.11		0.00022	NA			NA			0.611		0.00021	NA			0.00093	J	0.00023	
Pyrene	1700	18000	0.0596		0.00023	NA			NA			1.28		0.00023	NA			ND	U	0.00024	
<b>Inorganics</b>																					
Aluminum	78000	NA	5820		15	5350		12.4	7250		14.5	11600		15	6650		15.6	8250		17.1	
Antimony	31.0	450	ND	U	0.38	2.4		0.31	1	J	0.37	0.92	J	0.38	ND	U	0.4	ND	U	0.43	
Arsenic	19.0	19.0	2.2		0.58	6.8		0.48	7.8		0.56	9.4		0.58	4.5		0.6	3.1		0.66	
Barium	16000	59000	27.9		0.93	135		0.76	131		0.89	129		0.92	62.8		0.96	54.4		1.1	
Beryllium	16.0	140	0.3	J	0.19	0.42	J	0.16	0.59		0.18	0.69		0.19	0.41	J	0.2	0.42	J	0.22	
Cadmium	78.0	78.0	ND	U	0.19	5.9		0.16	0.44	J	0.18	0.47	J	0.19	0.5	J	0.2	ND	U	0.22	
Calcium	NA	NA	NA			NA			NA			NA			NA			NA			
Chromium	NA	NA	15.3		0.38	20.9		0.31	27.3		0.37	30.9		0.38	20.5		0.4	19.9		0.43	
Cobalt	1600	590	4.5		0.93	6		0.76	11.6		0.89	8.9		0.92	6.5		0.96	6		1.1	
Copper	3100	45000	3.6		0.93	58.1		0.76	63		0.89	43.4		0.92	11.9		0.96	5.1		1.1	
Iron	NA	NA	8720		9.3	16800		7.6	26200		8.9	25200		9.2	13100		9.6	14800		10.5	
Lead	400	800	7.2		0.38	407		0.31	271		0.37	212		0.38	73.7		0.4	5.3		0.43	
Magnesium	NA	NA	NA			NA			NA			NA			NA			NA			
Manganese	11000	5900	95		0.93	284		0.76	265		0.89	270		0.92	297		0.96	235		1.1	
Mercury	23.0	65.0	ND	U	0.084	0.86		0.066	0.93		0.067	0.68		0.079	0.29		0.079	ND	U	0.075	
Nickel	1600	23000	9.1		0.93	14		0.76	19.4		0.89	19.5		0.92	12.9		0.96	12.6		1.1	
Potassium	NA	NA	NA			NA			NA			NA			NA			NA			
Selenium	390	5700	2.4	J	0.93	2.4	J	0.76	5.3		0.89	3.9		0.92	3	J	0.96	2.9	J	1.1	
Silver	390	5700	ND	U	0.38	0.47	J	0.31	ND	U	0.37	ND	U	0.38	ND	U	0.4	ND	U	0.43	
Sodium	NA	NA	166		5.8	336		4.8	154		5.6	272		5.8	191		6	168		6.6	
Thallium	5.00	79.0	ND	U	0.19	0.86		0.16	ND	U	0.18	0.2	J	0.19	ND	U	0.2	ND	U	0.22	
Vanadium	78.0	1100	13.9		0.58	22.8		0.48	36.2		0.56	27.9		0.58	19		0.6	18.7		0.66	
Zinc	23000	110000	29.4		0.93	979		0.76	158		0.89	103		0.92	95.9		0.96	36		1.1	
<b>General Chemistry</b>																					
Cyanide	1600	23000	ND	U	0.073	ND	U	0.063	ND	U	0.073	ND	U	0.078	ND	U	0.084	ND	U	0.08	
Solids, Percent (%)			NA			NA			NA			NA			NA			NA			

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-31 [2.3-2.8]			SJPC-31 [5.2-5.7]			SJPC-31 [10.0-10.5]			SJPC-31 [34.5-35.0]			SJPC-33 [5.0-5.5]			SJPC-33 [23.2-23.7]		
LAB ID:			9932971013			9932971014			9932971015			9932971016			9932971017			9932971018		
COLLECTION DATE:			10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acetone	70000	NA	0.201		0.0086	ND	U	0.0077	ND	U	1.35	0.056		0.0047	0.824		0.0095	0.173		0.0048
Benzene	2.00	5.00	ND	U	0.00093	0.0012	J	0.00083	0.903		0.0999	ND	U	0.00051	0.0047		0.001	ND	U	0.00052
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.0013	ND	U	0.0012	ND	U	0.117	ND	U	0.00073	ND	U	0.0015	ND	U	0.00074
Bromoform (THM)b	81.0	280	ND	U	0.00097	ND	U	0.00087	ND	U	0.174	ND	U	0.00053	ND	U	0.0011	ND	U	0.00054
Bromomethane	25.0	59.0	ND	U	0.00097	ND	U	0.00087	ND	U	0.169	ND	U	0.00053	ND	U	0.0011	ND	U	0.00054
2-Butanone (Methyl Ethyl Ketone)	3100	44000	ND	U	0.006	ND	U	0.0053	ND	U	0.782	ND	U	0.0033	0.0347		0.0066	0.0117		0.0033
Carbon Disulfide	7800	110000	0.0134		0.0012	0.0038		0.0011	ND	U	0.0999	0.0442		0.00065	0.0031	J	0.0013	0.0019	J	0.00066
Carbon Tetrachloride	0.600	2.00	ND	U	0.00095	ND	U	0.00085	ND	U	0.135	ND	U	0.00052	ND	U	0.0011	ND	U	0.00053
Chlorobenzene	510	7400	ND	U	0.00095	ND	U	0.00085	ND	U	0.0825	ND	U	0.00052	ND	U	0.0011	ND	U	0.00053
Chloroethane	220	1100	ND	U	0.0016	ND	U	0.0014	ND	U	0.143	ND	U	0.00087	ND	U	0.0018	ND	U	0.00089
Chloroform (THM)b	0.600	2.00	ND	U	0.00099	ND	U	0.00088	0.163	J	0.0912	ND	U	0.00054	ND	U	0.0011	ND	U	0.00055
Chloromethane	4.00	12.0	ND	U	0.001	ND	U	0.00092	ND	U	0.135	ND	U	0.00056	ND	U	0.0011	ND	U	0.00057
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.0013	ND	U	0.0011	ND	U	0.195	ND	U	0.0007	ND	U	0.0014	ND	U	0.00071
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0054	ND	U	0.0048	ND	U	0.651	ND	U	0.003	ND	U	0.006	ND	U	0.003
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.001	ND	U	0.0009	ND	U	0.122	ND	U	0.00055	ND	U	0.0011	ND	U	0.00056
1,2-Dichlorobenzene	5300	59000	ND	U	0.0241	ND	U	0.248	ND	U	0.516	ND	U	0.0211	ND	U	0.203	ND	U	0.0225
1,3-Dichlorobenzene	5300	59000	ND	U	0.0181	ND	U	0.186	ND	U	0.387	ND	U	0.0158	ND	U	0.153	ND	U	0.0169
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.0119	ND	U	0.123	ND	U	0.255	ND	U	0.0104	0.311	J	0.101	ND	U	0.0111
1,1-Dichloroethane	8.00	24.0	ND	U	0.00093	ND	U	0.00083	ND	U	0.122	ND	U	0.00051	ND	U	0.001	ND	U	0.00052
1,2-Dichloroethane	0.900	3.00	ND	U	0.00093	ND	U	0.00083	ND	U	0.139	ND	U	0.00051	ND	U	0.001	ND	U	0.00052
1,1-Dichloroethene	11.0	150	ND	U	0.00097	ND	U	0.00087	ND	U	0.126	ND	U	0.00053	ND	U	0.0011	ND	U	0.00054
cis-1,2-Dichloroethene	230	560	ND	U	0.00093	ND	U	0.00083	ND	U	0.139	ND	U	0.00051	0.0015	J	0.001	ND	U	0.00052
trans-1,2-Dichloroethene	300	720	ND	U	0.00097	ND	U	0.00087	ND	U	0.113	ND	U	0.00053	ND	U	0.0011	ND	U	0.00054
1,2-Dichloropropane	2.00	5.00	ND	U	0.0011	ND	U	0.001	ND	U	0.104	ND	U	0.00062	ND	U	0.0012	ND	U	0.00063
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.001	ND	U	0.00092	ND	U	0.135	ND	U	0.00056	ND	U	0.0011	ND	U	0.00057
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.0011	ND	U	0.00097	ND	U	0.126	ND	U	0.0006	ND	U	0.0012	ND	U	0.00061
Ethylbenzene	7800	110000	ND	U	0.0013	ND	U	0.0011	5.37		0.148	ND	U	0.0007	ND	U	0.0014	ND	U	0.00071
Hexachlorobutadiene	6.00	25.0	ND	U	0.0241	ND	U	0.248	ND	U	0.516	ND	U	0.0211	ND	U	0.203	ND	U	0.0225
2-Hexanone	NA	NA	ND	U	0.0052	ND	U	0.0047	ND	U	0.565	ND	U	0.0029	ND	U	0.0058	ND	U	0.0029
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.0015	ND	U	0.0013	ND	U	0.195	ND	U	0.0008	ND	U	0.0016	ND	U	0.00081
4-Methyl-2-pentanone	NA	NA	ND	U	0.0071	ND	U	0.0063	ND	U	0.651	ND	U	0.0039	ND	U	0.0078	ND	U	0.004
Styrene	90.0	260	ND	U	0.00093	ND	U	0.00083	ND	U	0.104	ND	U	0.00051	ND	U	0.001	ND	U	0.00052
Tetrachloroethene	2.00	5.00	ND	U	0.0011	ND	U	0.001	ND	U	0.152	ND	U	0.00062	ND	U	0.0012	ND	U	0.00063
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.001	ND	U	0.00093	ND	U	0.148	ND	U	0.00057	ND	U	0.0012	ND	U	0.00059
Toluene	6300	91000	ND	U	0.0012	0.0012	J	0.0011	0.913		0.0999	ND	U	0.00069	0.0033	J	0.0014	ND	U	0.0007
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.0111	ND	U	0.114	ND	U	0.237	ND	U	0.0097	0.104	J	0.0936	ND	U	0.0103
1,1,1-Trichloroethane	290	4200	ND	U	0.0012	ND	U	0.001	ND	U	0.0955	ND	U	0.00064	ND	U	0.0013	ND	U	0.00065
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.001	ND	U	0.00093	ND	U	0.143	ND	U	0.00057	ND	U	0.0012	ND	U	0.00059
Trichloroethene	7.00	20.0	ND	U	0.00093	ND	U	0.00083	ND	U	0.143	ND	U	0.00051	ND	U	0.001	ND	U	0.00052
Vinyl Chloride	0.700	2.00	ND	U	0.00093	ND	U	0.00083	ND	U	0.13	ND	U	0.00051	0.0027	J	0.001	ND	U	0.00052
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		
o-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-31 [2.3-2.8]			SJPC-31 [5.2-5.7]			SJPC-31 [10.0-10.5]			SJPC-31 [34.5-35.0]			SJPC-33 [5.0-5.5]			SJPC-33 [23.2-23.7]		
LAB ID:			9932971013			9932971014			9932971015			9932971016			9932971017			9932971018		
COLLECTION DATE:			10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Xylenes	12000	170000	ND	U	0.0026	ND	U	0.0023	9.64		0.287	ND	U	0.0014	ND	U	0.0029	ND	U	0.0015
Bromochloromethane	NA	NA	NA			NA			NA			NA			NA			NA		
Cyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	230000	490	NA			NA			NA			NA			NA			NA		
1,4-Dioxane	NA	NA	NA			NA			NA			NA			NA			NA		
Freon 113	NA	NA	NA			NA			NA			NA			NA			NA		
Isopropylbenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Methyl Acetate	NA	78000	NA			NA			NA			NA			NA			NA		
Methyl Tert Butyl Ether	320	110	NA			NA			NA			NA			NA			NA		
Methylcyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Trichlorofluoromethane	340000	23000	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Volatile	NA	NA	NA			NA			NA			NA			NA			NA		
<i>Semivolatile Organic Compounds (SVOCs)</i>																				
Acenaphthene	3400	37000	0.647		0.0241	ND	U	0.248	38.2		0.516	ND	U	0.0211	1.72		0.203	ND	U	0.0225
Acenaphthylene	NA	300000	1.12		0.0133	1.11		0.137	4.08		0.284	ND	U	0.0116	5.26		0.112	ND	U	0.0124
Anthracene	17000	30000	6.53		0.145	2.22		0.149	35.4		0.309	ND	U	0.0127	15.8		0.122	ND	U	0.0135
Benzo[a]anthracene	0.600	2.00	16.4		0.217	6.3		0.223	23.5		0.464	ND	U	0.019	30.2		0.183	ND	U	0.0202
Benzo[a]pyrene	0.200	0.200	13.3		0.1	5.47		0.103	18		0.214	ND	U	0.0088	24.7		0.0844	ND	U	0.0093
Benzo[b]fluoranthene	0.600	2.00	17.4		0.169	7.1		0.174	20.8		0.361	ND	U	0.0148	37.3		0.142	ND	U	0.0157
Benzo[g,h,i]perylene	380000	30000	2.22		0.0101	1.51		0.104	4.18		0.217	ND	U	0.0089	6.4		0.0854	ND	U	0.0094
Benzo[k]fluoranthene	6.00	23.0	7.16		0.157	3.15		0.161	8.58		0.335	ND	U	0.0137	14.5		0.132	ND	U	0.0146
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.0325	ND	U	0.335	ND	U	0.696	ND	U	0.0285	ND	U	0.275	ND	U	0.0303
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.0157	ND	U	0.161	ND	U	0.335	ND	U	0.0137	ND	U	0.132	ND	U	0.0146
bis(2-Ethylhexyl)phthalate	35.0	140	ND	U	0.0169	ND	U	0.174	ND	U	0.361	ND	U	0.0148	0.846	J	0.142	ND	U	0.0157
Butylbenzylphthalate	1200	14000	ND	U	0.0113	ND	U	0.117	ND	U	0.242	ND	U	0.0099	ND	U	0.0956	ND	U	0.0106
Carbazole	24.0	96.0	1.77		0.0145	0.32	J	0.149	10.3		0.309	ND	U	0.0127	2.52		0.122	ND	U	0.0135
4-Chloroaniline	NA	NA	ND	U	0.101	ND	U	1.04	ND	U	2.17	ND	U	0.0886	ND	U	0.854	ND	U	0.0944
4-Chloro-3-methylphenol	NA	NA	ND	U	0.0253	ND	U	0.261	ND	U	0.541	ND	U	0.0222	ND	U	0.214	ND	U	0.0236
2-Chloronaphthalene	NA	NA	ND	U	0.0157	ND	U	0.161	ND	U	0.335	ND	U	0.0137	ND	U	0.132	ND	U	0.0146
2-Chlorophenol	310	2200	ND	U	0.0277	ND	U	0.286	ND	U	0.593	ND	U	0.0243	ND	U	0.234	ND	U	0.0258
Chrysene	62.0	230	14.2		0.113	5.74		0.117	18.4		0.242	ND	U	0.0099	26.7		0.0956	ND	U	0.0106
Dibenzo[a,h]anthracene	0.200	0.200	1.01		0.01	0.595	J	0.103	1.95		0.214	ND	U	0.0088	2.78		0.0844	ND	U	0.0093
3,3-Dichlorobenzidine	1.00	4.00	ND	U	0.0687	ND	U	0.708	ND	U	1.47	ND	U	0.0602	ND	U	0.58	ND	U	0.0641
2,4-Dichlorophenol	180	2100	ND	U	0.0205	ND	U	0.211	ND	U	0.438	ND	U	0.0179	ND	U	0.173	ND	U	0.0191
Diethylphthalate	49000	550000	0.0182	J	0.01	ND	U	0.103	ND	U	0.214	ND	U	0.0088	ND	U	0.0844	ND	U	0.0093
2,4-Dimethylphenol	1200	14000	ND	U	0.0614	ND	U	0.633	ND	U	1.31	ND	U	0.0538	ND	U	0.519	ND	U	0.0573
Dimethylphthalate	NA	NA	ND	U	0.0193	ND	U	0.199	ND	U	0.412	ND	U	0.0169	ND	U	0.163	ND	U	0.018
Di-n-butylphthalate	6100	68000	ND	U	0.0133	ND	U	0.137	ND	U	0.284	ND	U	0.0116	ND	U	0.112	ND	U	0.0124
Di-n-octylphthalate	2400	27000	ND	U	0.01	ND	U	0.103	ND	U	0.214	ND	U	0.0088	ND	U	0.0844	ND	U	0.0093
2,4-Dinitrophenol	120	1400	ND	U	0.114	ND	U	1.18	ND	U	2.45	ND	U	0.1	ND	U	0.966	ND	U	0.107
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.0133	ND	U	0.137	ND	U	0.284	ND	U	0.0116	ND	U	0.112	ND	U	0.0124
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.0145	ND	U	0.149	ND	U	0.309	ND	U	0.0127	ND	U	0.122	ND	U	0.0135

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	SJPC-31 [2.3-2.8] 9932971013 10/18/2011 MG/KG			SJPC-31 [5.2-5.7] 9932971014 10/18/2011 MG/KG			SJPC-31 [10.0-10.5] 9932971015 10/18/2011 MG/KG			SJPC-31 [34.5-35.0] 9932971016 10/18/2011 MG/KG			SJPC-33 [5.0-5.5] 9932971017 10/18/2011 MG/KG			SJPC-33 [23.2-23.7] 9932971018 10/18/2011 MG/KG		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Semivolatile Organic Compounds (SVOCs)</b>																				
Fluoranthene	2300	24000	42.9	Q	0.133	14.9	Q	0.137	60.5	Q	0.284	ND	U	0.0116	34.2	Q	2.24	ND	U	0.0124
Fluorene	2300	24000	2.08	U	0.0112	0.981	U	0.115	28.5	U	0.24	ND	U	0.0098	5.43	U	0.0946	ND	U	0.0105
Hexachlorobenzene	0.300	1.00	ND	U	0.0277	ND	U	0.286	ND	U	0.593	ND	U	0.0243	ND	U	0.234	ND	U	0.0258
Hexachlorocyclopentadiene	45.0	110	ND	U	0.094	ND	U	0.968	ND	U	2.01	ND	U	0.0823	ND	U	0.793	ND	U	0.0876
Hexachloroethane	35.0	140	ND	U	0.0265	ND	U	0.273	ND	U	0.567	ND	U	0.0232	ND	U	0.224	ND	U	0.0247
Indeno[1,2,3-c,d]pyrene	0.600	2.00	2.79	U	0.01	1.62	U	0.103	5.08	U	0.214	ND	U	0.0088	7.61	U	0.0844	ND	U	0.0093
Isophorone	510	2000	ND	U	0.0157	ND	U	0.161	ND	U	0.335	ND	U	0.0137	ND	U	0.132	ND	U	0.0146
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	0.104	ND	U	1.07	ND	U	2.22	ND	U	0.0908	ND	U	0.875	ND	U	0.0966
2-Methylnaphthalene	230	2400	0.239	U	0.0102	0.164	J	0.106	45	U	0.219	ND	U	0.009	1.93	U	0.0865	ND	U	0.0096
2-Methylphenol	310	3400	ND	U	0.0325	ND	U	0.335	ND	U	0.696	ND	U	0.0285	ND	U	0.275	ND	U	0.0303
4-Methylphenol	31.0	340	0.0279	J	0.0157	ND	U	0.161	ND	U	0.335	ND	U	0.0137	ND	U	0.132	ND	U	0.0146
Naphthalene	6.00	17.0	0.207	U	0.0217	ND	U	0.223	142	U	1.16	ND	U	0.019	2.89	U	0.183	ND	U	0.0202
2-Nitroaniline	39.0	23000	ND	U	0.0759	ND	U	0.782	ND	U	1.62	ND	U	0.0665	ND	U	0.641	ND	U	0.0708
Nitrobenzene	31.0	340	ND	U	0.0614	ND	U	0.633	ND	U	1.31	ND	U	0.0538	ND	U	0.519	ND	U	0.0573
N-Nitrosodiphenylamine	99.0	390	ND	U	0.0145	ND	U	0.149	ND	U	0.309	ND	U	0.0127	ND	U	0.122	ND	U	0.0135
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.0337	ND	U	0.348	ND	U	0.722	ND	U	0.0295	ND	U	0.285	ND	U	0.0315
Pentachlorophenol	3.00	10.0	ND	U	0.0771	ND	U	0.795	ND	U	1.65	ND	U	0.0675	ND	U	0.651	ND	U	0.0719
Phenanthrene	NA	300000	27.7	U	0.157	7.85	U	0.161	101	U	0.335	ND	U	0.0137	24	U	2.64	ND	U	0.0146
Phenol	18000	210000	ND	U	0.0494	ND	U	0.509	ND	U	1.06	ND	U	0.0433	ND	U	0.417	ND	U	0.0461
Pyrene	1700	18000	29.3	U	0.12	9.43	U	0.124	40	U	0.258	ND	U	0.0106	25.6	U	2.03	ND	U	0.0112
2,4,5-Trichlorophenol	6100	68000	ND	U	0.0723	ND	U	0.745	ND	U	1.55	ND	U	0.0633	ND	U	0.61	ND	U	0.0674
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.0373	ND	U	0.385	ND	U	0.799	ND	U	0.0327	ND	U	0.315	ND	U	0.0348
Acetophenone	5	2	NA			NA			NA			NA			NA			NA		
Atrazine	2400	210	NA			NA			NA			NA			NA			NA		
Benzaldehyde	68000	6100	NA			NA			NA			NA			NA			NA		
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Caprolactam	340000	31000	NA			NA			NA			NA			NA			NA		
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Dibenzofuran	NA	NA	NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	25	6	NA			NA			NA			NA			NA			NA		
3-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
4-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012



Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:	SJPC-31 [2.3-2.8]			SJPC-31 [5.2-5.7]			SJPC-31 [10.0-10.5]			SJPC-31 [34.5-35.0]			SJPC-33 [5.0-5.5]			SJPC-33 [23.2-23.7]		
LAB ID:	9932971013			9932971014			9932971015			9932971016			9932971017			9932971018		
COLLECTION DATE:	10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			
<i>Semivolatile Organic Compounds (SVOCs) by SIM</i>	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acenaphthene	3400	37000	NA	NA	NA	NA	NA	NA	0.0021	J	0.00012	NA	0.0037	J	0.00012	0.0037	J	0.00012
Acenaphthylene	NA	300000	NA	NA	NA	NA	NA	NA	0.00091	J	0.00019	NA	0.00053	J	0.0002	0.00053	J	0.0002
Anthracene	17000	30000	NA	NA	NA	NA	NA	NA	0.0032	J	0.00047	NA	0.0021	J	0.00051	0.0021	J	0.00051
Benzo[a]anthracene	0.600	2.00	NA	NA	NA	NA	NA	NA	0.0051	J	0.00021	NA	0.0034	J	0.00022	0.0034	J	0.00022
Benzo[a]pyrene	0.200	0.200	NA	NA	NA	NA	NA	NA	0.0041	J	0.0002	NA	ND	U	0.00021	ND	U	0.00021
Benzo[b]fluoranthene	0.600	2.00	NA	NA	NA	NA	NA	NA	0.0061	J	0.00032	NA	0.0036	J	0.00034	0.0036	J	0.00034
Benzo[g,h,i]perylene	380000	30000	NA	NA	NA	NA	NA	NA	0.0024	J	0.00041	NA	0.0012	J	0.00044	0.0012	J	0.00044
Benzo[k]fluoranthene	6.00	23.0	NA	NA	NA	NA	NA	NA	0.0027	J	0.00034	NA	0.0016	J	0.00036	0.0016	J	0.00036
Chrysene	62.0	230	NA	NA	NA	NA	NA	NA	0.0054	J	0.00022	NA	0.003	J	0.00024	0.003	J	0.00024
Dibenzo[a,h]anthracene	0.200	0.200	NA	NA	NA	NA	NA	NA	0.00082	J	0.00032	NA	0.00048	J	0.00034	0.00048	J	0.00034
Fluoranthene	2300	24000	NA	NA	NA	NA	NA	NA	0.0119	J	0.0002	NA	0.0067	J	0.00021	0.0067	J	0.00021
Fluorene	2300	24000	NA	NA	NA	NA	NA	NA	0.0024	J	0.00015	NA	0.0027	J	0.00016	0.0027	J	0.00016
Indeno[1,2,3-c,d]pyrene	0.600	2.00	NA	NA	NA	NA	NA	NA	0.0021	J	0.00035	NA	0.0012	J	0.00037	0.0012	J	0.00037
Naphthalene	6.00	17.0	NA	NA	NA	NA	NA	NA	0.0037	J	0.00028	NA	0.0132	J	0.0003	0.0132	J	0.0003
Phenanthrene	NA	300000	NA	NA	NA	NA	NA	NA	0.0096	J	0.00018	NA	0.0073	J	0.00019	0.0073	J	0.00019
Pyrene	1700	18000	NA	NA	NA	NA	NA	NA	0.0101	J	0.00019	NA	0.0056	J	0.0002	0.0056	J	0.0002
<b>Inorganics</b>																		
Aluminum	78000	NA	5340	13.9	5520	14.2	10400	14.2	340	12	10500	25	6180	13.5				
Antimony	31.0	450	2.6	0.35	9.7	0.36	0.66	J	0.36	ND	U	0.31	4.6	0.63	ND	U	0.34	
Arsenic	19.0	19.0	16.7	0.53	14.5	0.54	7.1	0.55	ND	U	0.46	22	0.96	2.6	0.52			
Barium	16000	59000	118	0.85	152	0.87	86.6	0.87	6.9	0.74	236	1.5	30.5	0.83				
Beryllium	16.0	140	0.61	0.18	0.46	J	0.18	0.57	ND	U	0.15	0.8	J	0.32	0.33	J	0.17	
Cadmium	78.0	78.0	2.9	0.18	2.4	0.18	1.5	0.18	ND	U	0.15	6.4	J	0.32	ND	U	0.17	
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	13.6	0.35	66.7	0.36	26.9	0.36	13.6	0.31	67.8	0.63	13.6	0.34				
Cobalt	1600	590	7.8	0.85	6.5	0.87	7.5	0.87	ND	U	0.74	12.2	1.5	4.3	0.83			
Copper	3100	45000	848	0.85	538	0.87	31.3	0.87	1.6	J	0.74	296	1.5	2.9	0.83			
Iron	NA	NA	22900	8.5	27900	8.7	22500	8.7	1260	7.4	28900	15.4	9240	8.3				
Lead	400	800	183	0.35	227	0.36	53.1	0.36	0.7	J	0.31	2590	0.63	3.5	0.34			
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	11000	5900	196	0.85	413	0.87	544	0.87	4.1	0.74	313	1.5	120	0.83				
Mercury	23.0	65.0	1.2	0.08	0.45	0.072	0.29	0.085	ND	U	0.059	1.9	0.12	ND	U	0.071		
Nickel	1600	23000	23.7	0.85	38.6	0.87	34.3	0.87	1.1	J	0.74	37.5	1.5	7.2	0.83			
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	390	5700	2.6	J	0.85	2.6	J	0.87	1.2	J	0.74	4.4	J	1.5	2.3	J	0.83	
Silver	390	5700	ND	U	0.35	ND	U	0.36	ND	U	0.31	0.82	J	0.63	ND	U	0.34	
Sodium	NA	NA	694	5.3	472	5.4	356	5.5	23.8	4.6	1920	9.6	86.9	5.2				
Thallium	5.00	79.0	0.52	J	0.18	0.35	J	0.18	ND	U	0.18	ND	U	0.17				
Vanadium	78.0	1100	22.7	0.53	30.1	0.54	26.4	0.55	6.4	0.46	84.4	0.96	14.1	0.52				
Zinc	23000	110000	494	0.85	433	0.87	162	0.87	2	J	0.74	683	1.5	19.3	0.83			
<b>General Chemistry</b>																		
Cyanide	1600	23000	1.5	0.072	2.3	0.073	2.9	0.077	ND	U	0.061	1.8	0.12	ND	U	0.065		
Solids, Percent (%)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	SJPC-35 [4.0-4.5]			SJPC-35 [5.5-6.0]			SJPC-35 [10.3-10.8]			SJPC-35 [20.4-20.9]			SJPC-37 [3.5-4.0]			SJPC-37 [5.8-6.3]			SJPC-37 [22.6-23.1]		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acetone	70000	NA	0.178		0.0049	0.138		0.0059	1.08		0.0078	0.0828		0.0058	0.388		0.0068	0.165		0.0083	0.0709		0.0038
Benzene	2.00	5.00	0.0043		0.00053	0.0016	J	0.00064	0.0152		0.00085	ND	U	0.00063	62.2		0.162	ND	U	0.0009	ND	U	0.00041
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.00075	ND	U	0.0009	ND	U	0.0012	ND	U	0.0009	ND	U	0.001	ND	U	0.0013	ND	U	0.00058
Bromoform (THM)b	81.0	280	ND	U	0.00055	ND	U	0.00066	ND	U	0.00088	ND	U	0.00066	ND	U	0.00077	ND	U	0.00093	ND	U	0.00043
Bromomethane	25.0	59.0	ND	U	0.00055	ND	U	0.00066	ND	U	0.00088	ND	U	0.00066	ND	U	0.00077	ND	U	0.00093	ND	U	0.00043
2-Butanone (Methyl Ethyl Ketone)	3100	44000	ND	U	0.0034	ND	U	0.0041	0.17		0.0054	ND	U	0.0041	0.0056	J	0.0047	ND	U	0.0057	ND	U	0.0026
Carbon Disulfide	7800	110000	0.0036		0.00067	0.0055		0.0008	0.0317		0.0011	0.0024	J	0.0008	ND	U	0.00093	0.0028	J	0.0011	ND	U	0.00052
Carbon Tetrachloride	0.600	2.00	ND	U	0.00054	ND	U	0.00065	ND	U	0.00087	ND	U	0.00065	ND	U	0.00075	ND	U	0.00092	ND	U	0.00042
Chlorobenzene	510	7400	ND	U	0.00054	ND	U	0.00065	ND	U	0.00087	ND	U	0.00065	ND	U	0.00075	ND	U	0.00092	ND	U	0.00042
Chloroethane	220	1100	ND	U	0.0009	ND	U	0.0011	ND	U	0.0014	ND	U	0.0011	ND	U	0.0013	ND	U	0.0015	ND	U	0.0007
Chloroform (THM)b	0.600	2.00	ND	U	0.00056	ND	U	0.00067	ND	U	0.0009	ND	U	0.00067	ND	U	0.00078	ND	U	0.00095	ND	U	0.00043
Chloromethane	4.00	12.0	ND	U	0.00058	ND	U	0.0007	ND	U	0.00094	ND	U	0.0007	ND	U	0.00081	ND	U	0.00099	ND	U	0.00045
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.00072	ND	U	0.00087	ND	U	0.0012	ND	U	0.00086	ND	U	0.001	ND	U	0.0012	ND	U	0.00056
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0031	ND	U	0.0037	ND	U	0.0049	ND	U	0.0037	ND	U	0.0043	ND	U	0.0052	ND	U	0.0024
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.00057	ND	U	0.00069	ND	U	0.00092	ND	U	0.00068	ND	U	0.0008	ND	U	0.00097	ND	U	0.00044
1,2-Dichlorobenzene	5300	59000	ND	U	0.0223	ND	U	0.0227	ND	U	0.137	ND	U	0.0213	NA			ND	U	0.0247	ND	U	0.0217
1,3-Dichlorobenzene	5300	59000	ND	U	0.0167	ND	U	0.017	ND	U	0.103	ND	U	0.016	NA			ND	U	0.0185	ND	U	0.0163
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.011	ND	U	0.0113	ND	U	0.0677	ND	U	0.0106	NA			ND	U	0.0122	ND	U	0.0108
1,1-Dichloroethane	8.00	24.0	ND	U	0.00053	ND	U	0.00064	ND	U	0.00085	ND	U	0.00063	ND	U	0.00074	ND	U	0.0009	ND	U	0.00041
1,2-Dichloroethane	0.900	3.00	ND	U	0.00053	ND	U	0.00064	ND	U	0.00085	ND	U	0.00063	ND	U	0.00074	ND	U	0.0009	ND	U	0.00041
1,1-Dichloroethene	11.0	150	ND	U	0.00055	ND	U	0.00066	ND	U	0.00088	ND	U	0.00066	ND	U	0.00077	ND	U	0.00093	ND	U	0.00043
cis-1,2-Dichloroethene	230	560	ND	U	0.00053	ND	U	0.00064	0.0093		0.00085	ND	U	0.00063	ND	U	0.00074	ND	U	0.0009	ND	U	0.00041
trans-1,2-Dichloroethene	300	720	ND	U	0.00055	ND	U	0.00066	ND	U	0.00088	ND	U	0.00066	ND	U	0.00077	ND	U	0.00093	ND	U	0.00043
1,2-Dichloropropane	2.00	5.00	ND	U	0.00064	ND	U	0.00076	ND	U	0.001	ND	U	0.00076	ND	U	0.00089	ND	U	0.0011	ND	U	0.00049
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.00058	ND	U	0.0007	ND	U	0.00094	ND	U	0.0007	ND	U	0.00081	ND	U	0.00099	ND	U	0.00045
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.00061	ND	U	0.00074	ND	U	0.00099	ND	U	0.00073	ND	U	0.00086	ND	U	0.001	ND	U	0.00048
Ethylbenzene	7800	110000	0.00095	J	0.00072	ND	U	0.00087	0.0086		0.0012	ND	U	0.00086	ND	U	0.001	ND	U	0.0012	ND	U	0.00056
Hexachlorobutadiene	6.00	25.0	ND	U	0.0223	ND	U	0.0227	ND	U	0.137	ND	U	0.0213	NA			ND	U	0.0247	ND	U	0.0217
2-Hexanone	NA	NA	ND	U	0.003	ND	U	0.0036	ND	U	0.0048	ND	U	0.0035	ND	U	0.0041	ND	U	0.005	ND	U	0.0023
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.00083	ND	U	0.00099	ND	U	0.0013	ND	U	0.00099	ND	U	0.0012	ND	U	0.0014	ND	U	0.00064
4-Methyl-2-pentanone	NA	NA	ND	U	0.004	ND	U	0.0048	ND	U	0.0065	ND	U	0.0048	ND	U	0.0056	ND	U	0.0068	ND	U	0.0031
Styrene	90.0	260	ND	U	0.00053	ND	U	0.00064	ND	U	0.00085	ND	U	0.00063	ND	U	0.00074	ND	U	0.0009	ND	U	0.00041
Tetrachloroethene	2.00	5.00	ND	U	0.00064	ND	U	0.00076	ND	U	0.001	ND	U	0.00076	ND	U	0.00089	ND	U	0.0011	ND	U	0.00049
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.00059	ND	U	0.00071	ND	U	0.00095	ND	U	0.00071	ND	U	0.00083	ND	U	0.001	ND	U	0.00046
Toluene	6300	91000	0.0022		0.00071	ND	U	0.00085	0.0257		0.0011	ND	U	0.00085	ND	U	0.00099	0.0018	J	0.0012	ND	U	0.00055
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.0103	ND	U	0.0105	ND	U	0.0629	ND	U	0.0098	NA			ND	U	0.0114	ND	U	0.01
1,1,1-Trichloroethane	290	4200	ND	U	0.00066	ND	U	0.00079	ND	U	0.0011	ND	U	0.00079	ND	U	0.00092	ND	U	0.0011	ND	U	0.00051
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.00059	ND	U	0.00071	ND	U	0.00095	ND	U	0.00071	ND	U	0.00083	ND	U	0.001	ND	U	0.00046
Trichloroethene	7.00	20.0	ND	U	0.00053	ND	U	0.00064	0.0363		0.00085	ND	U	0.00063	ND	U	0.00074	ND	U	0.0009	ND	U	0.00041
Vinyl Chloride	0.700	2.00	ND	U	0.00053	ND	U	0.00064	ND	U	0.00085	ND	U	0.00063	ND	U	0.00074	ND	U	0.0009	ND	U	0.00041
m,p-Xylene	12000	170000	NA			NA			NA			NA		NA				NA			NA		
o-Xylene	12000	170000	NA			NA			NA			NA		NA				NA			NA		

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South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	SJPC-35 [4.0-4.5] 9933547001 10/19/2011 MG/KG			SJPC-35 [5.5-6.0] 9933547002 10/19/2011 MG/KG			SJPC-35 [10.3-10.8] 9933547003 10/19/2011 MG/KG			SJPC-35 [20.4-20.9] 9933547004 10/19/2011 MG/KG			SJPC-37 [3.5-4.0] 9933547018 10/20/2011 MG/KG			SJPC-37 [5.8-6.3] 9933547017 10/20/2011 MG/KG			SJPC-37 [22.6-23.1] 9933547019 10/20/2011 MG/KG		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Volatile Organic Compounds (VOCs)</b>																							
Xylenes	12000	170000	0.0029	J	0.0015	ND	U	0.0018	0.051	Q	0.0024	ND	U	0.0018	ND	U	0.0021	ND	U	0.0025	ND	U	0.0011
Bromochloromethane	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Cyclohexane	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Dichlorodifluoromethane	230000	490	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
1,4-Dioxane	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Freon 113	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Isopropylbenzene	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Methyl Acetate	NA	78000	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Methyl Tert Butyl Ether	320	110	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Methylcyclohexane	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
1,2,3-Trichlorobenzene	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Trichlorofluoromethane	340000	23000	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
Total TIC, Volatile	NA	NA	NA		NA		NA		NA		NA	NA		NA	NA		NA		NA		NA		NA
<b>Semivolatile Organic Compounds (SVOCs)</b>																							
Acenaphthene	3400	37000	0.909		0.0223	0.23		0.0227	3.05		0.137	ND	U	0.0213	NA		0.052	J	0.0247	ND	U	0.0217	
Acenaphthylene	NA	300000	0.879		0.0123	0.219		0.0125	0.362		0.0752	ND	U	0.0117	NA		0.126	J	0.0136	ND	U	0.0119	
Anthracene	17000	30000	3.03		0.0134	0.738		0.0136	5.96		0.0821	ND	U	0.0128	NA		0.126		0.0148	ND	U	0.013	
Benzo[a]anthracene	0.600	2.00	6.53		0.1	2.36		0.0205	10.4		0.123	0.0259	J	0.0192	NA		0.416		0.0222	ND	U	0.0196	
Benzo[a]pyrene	0.200	0.200	4.74		0.0463	1.91		0.0094	7.32		0.0568	0.0126	J	0.0089	NA		0.318		0.0103	ND	U	0.009	
Benzo[b]fluoranthene	0.600	2.00	6.11		0.078	2.74		0.0159	10.3		0.0958	ND	U	0.0149	NA		0.53		0.0173	ND	U	0.0152	
Benzo[g,h,i]perylene	380000	30000	1.13		0.0094	0.587		0.0095	2.47		0.0575	ND	U	0.009	NA		0.198		0.0104	ND	U	0.0091	
Benzo[k]fluoranthene	6.00	23.0	2.85		0.0145	1.32		0.0148	4.69		0.0889	ND	U	0.0139	NA		0.2		0.0161	ND	U	0.0141	
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.0301	ND	U	0.0307	ND	U	0.185	ND	U	0.0288	NA		ND	U	0.0334	ND	U	0.0293	
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.0145	ND	U	0.0148	ND	U	0.0889	ND	U	0.0139	NA		ND	U	0.0161	ND	U	0.0141	
bis(2-Ethylhexyl)phthalate	35.0	140	ND	U	0.0156	0.026	J	0.0159	0.738		0.0958	ND	U	0.0149	NA		ND	U	0.0173	ND	U	0.0152	
Butylbenzylphthalate	1200	14000	ND	U	0.0105	0.0146	J	0.0107	ND	U	0.0643	ND	U	0.01	NA		ND	U	0.0116	ND	U	0.0102	
Carbazole	24.0	96.0	0.913		0.0134	0.166		0.0136	2.5		0.0821	ND	U	0.0128	NA		0.0315	J	0.0148	ND	U	0.013	
4-Chloroaniline	NA	NA	ND	U	0.0936	ND	U	0.0955	ND	U	0.575	ND	U	0.0896	NA		ND	U	0.104	ND	U	0.0912	
4-Chloro-3-methylphenol	NA	NA	ND	U	0.0234	ND	U	0.0239	ND	U	0.144	ND	U	0.0224	NA		ND	U	0.0259	ND	U	0.0228	
2-Chloronaphthalene	NA	NA	ND	U	0.0145	ND	U	0.0148	ND	U	0.0889	ND	U	0.0139	NA		ND	U	0.0161	ND	U	0.0141	
2-Chlorophenol	310	2200	ND	U	0.0256	ND	U	0.0261	ND	U	0.157	ND	U	0.0245	NA		ND	U	0.0284	ND	U	0.025	
Chrysene	62.0	230	5.85		0.0524	2.09		0.0107	10.5		0.0643	0.0161	J	0.01	NA		0.447		0.0116	ND	U	0.0102	
Dibenzo[a,h]anthracene	0.200	0.200	0.525		0.0093	0.266		0.0094	1.07		0.0568	ND	U	0.0089	NA		0.0672	J	0.0103	ND	U	0.009	
3,3-Dichlorobenzidine	1.00	4.00	ND	U	0.0635	ND	U	0.0648	ND	U	0.39	ND	U	0.0608	NA		ND	U	0.0704	ND	U	0.0619	
2,4-Dichlorophenol	180	2100	ND	U	0.019	ND	U	0.0193	ND	U	0.116	ND	U	0.0181	NA		ND	U	0.021	ND	U	0.0185	
Diethylphthalate	49000	550000	ND	U	0.0093	ND	U	0.0094	ND	U	0.0568	ND	U	0.0089	NA		ND	U	0.0103	ND	U	0.009	
2,4-Dimethylphenol	1200	14000	ND	U	0.0569	ND	U	0.058	ND	U	0.349	ND	U	0.0544	NA		ND	U	0.063	ND	U	0.0554	
Dimethylphthalate	NA	NA	ND	U	0.0178	ND	U	0.0182	ND	U	0.109	ND	U	0.0171	NA		ND	U	0.0198	ND	U	0.0174	
Di-n-butylphthalate	6100	68000	0.0202	J	0.0123	0.0142	J	0.0125	ND	U	0.0752	ND	U	0.0117	NA		ND	U	0.0136	ND	U	0.0119	
Di-n-octylphthalate	2400	27000	ND	U	0.0093	ND	U	0.0094	ND	U	0.0568	ND	U	0.0089	NA		ND	U	0.0103	ND	U	0.009	
2,4-Dinitrophenol	120	1400	ND	U	0.106	ND	U	0.108	ND	U	0.65	ND	U	0.101	NA		ND	U	0.117	ND	U	0.103	
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.0123	ND	U	0.0125	ND	U	0.0752	ND	U	0.0117	NA		ND	U	0.0136	ND	U	0.0119	
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.0134	ND	U	0.0136	ND	U	0.0821	ND	U	0.0128	NA		ND	U	0.0148	ND	U	0.013	

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CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	SJPC-35 [4.0-4.5] 9933547001 10/19/2011 MG/KG			SJPC-35 [5.5-6.0] 9933547002 10/19/2011 MG/KG			SJPC-35 [10.3-10.8] 9933547003 10/19/2011 MG/KG			SJPC-35 [20.4-20.9] 9933547004 10/19/2011 MG/KG			SJPC-37 [3.5-4.0] 9933547018 10/20/2011 MG/KG			SJPC-37 [5.8-6.3] 9933547017 10/20/2011 MG/KG			SJPC-37 [22.6-23.1] 9933547019 10/20/2011 MG/KG		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Semivolatile Organic Compounds (SVOCs)</b>																							
Fluoranthene	2300	24000	12.5	Q	0.0613	4.06		0.0125	25.7		0.0752	0.0336	J	0.0117	NA			0.765		0.0136	ND	U	0.0119
Fluorene	2300	24000	2.1		0.0104	0.405		0.0106	4.14		0.0636	ND	U	0.0099	NA			0.0699		0.0115	ND	U	0.0101
Hexachlorobenzene	0.300	1.00	ND	U	0.0256	ND	U	0.0261	ND	U	0.157	ND	U	0.0245	NA			ND	U	0.0284	ND	U	0.025
Hexachlorocyclopentadiene	45.0	110	ND	U	0.0869	ND	U	0.0887	ND	U	0.534	ND	U	0.0832	NA			ND	U	0.0964	ND	U	0.0847
Hexachloroethane	35.0	140	ND	U	0.0245	ND	U	0.025	ND	U	0.15	ND	U	0.0235	NA			ND	U	0.0272	ND	U	0.0239
Indeno[1,2,3-c,d]pyrene	0.600	2.00	1.29		0.0093	0.65		0.0094	2.68		0.0568	ND	U	0.0089	NA			0.203		0.0103	ND	U	0.009
Isophorone	510	2000	ND	U	0.0145	ND	U	0.0148	ND	U	0.0889	ND	U	0.0139	NA			ND	U	0.0161	ND	U	0.0141
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	0.0959	ND	U	0.0978	ND	U	0.588	ND	U	0.0917	NA			ND	U	0.106	ND	U	0.0934
2-Methylnaphthalene	230	2400	0.748		0.0095	0.127		0.0097	1.06		0.0581	ND	U	0.0091	NA			0.0385	J	0.0105	ND	U	0.0092
2-Methylphenol	310	3400	0.031	J	0.0301	ND	U	0.0307	ND	U	0.185	ND	U	0.0288	NA			ND	U	0.0334	ND	U	0.0293
4-Methylphenol	31.0	340	0.0352	J	0.0145	ND	U	0.0148	0.148	J	0.0889	ND	U	0.0139	NA			ND	U	0.0161	ND	U	0.0141
Naphthalene	6.00	17.0	1.4		0.0201	0.177		0.0205	3.05		0.123	ND	U	0.0192	NA			0.0582	J	0.0222	ND	U	0.0196
2-Nitroaniline	39.0	23000	ND	U	0.0702	ND	U	0.0716	ND	U	0.431	ND	U	0.0672	NA			ND	U	0.0778	ND	U	0.0684
Nitrobenzene	31.0	340	ND	U	0.0569	ND	U	0.058	ND	U	0.349	ND	U	0.0544	NA			ND	U	0.063	ND	U	0.0554
N-Nitrosodiphenylamine	99.0	390	ND	U	0.0134	ND	U	0.0136	ND	U	0.0821	ND	U	0.0128	NA			ND	U	0.0148	ND	U	0.013
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.0312	ND	U	0.0318	ND	U	0.192	ND	U	0.0299	NA			ND	U	0.0346	ND	U	0.0304
Pentachlorophenol	3.00	10.0	ND	U	0.0713	ND	U	0.0727	ND	U	0.438	ND	U	0.0683	NA			ND	U	0.0791	ND	U	0.0695
Phenanthrene	NA	300000	11.8		0.0725	2.72		0.0148	24		0.0889	0.0319	J	0.0139	NA			0.352		0.0161	ND	U	0.0141
Phenol	18000	210000	ND	U	0.0457	ND	U	0.0466	ND	U	0.28	ND	U	0.0437	NA			ND	U	0.0507	ND	U	0.0445
Pyrene	1700	18000	10.2		0.0557	3.68		0.0568	23		0.0684	0.0361	J	0.0107	NA			0.635		0.0124	ND	U	0.0109
2,4,5-Trichlorophenol	6100	68000	ND	U	0.0669	ND	U	0.0682	ND	U	0.41	ND	U	0.064	NA			ND	U	0.0741	ND	U	0.0652
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.0346	ND	U	0.0352	ND	U	0.212	ND	U	0.0331	NA			ND	U	0.0383	ND	U	0.0337
Acetophenone	5	2	NA			NA			NA			NA			NA			NA			NA		
Atrazine	2400	210	NA			NA			NA			NA			NA			NA			NA		
Benzaldehyde	68000	6100	NA			NA			NA			NA			NA			NA			NA		
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Caprolactam	340000	31000	NA			NA			NA			NA			NA			NA			NA		
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Dibenzofuran	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	25	6	NA			NA			NA			NA			NA			NA			NA		
3-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA			NA		
4-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA			NA			NA			NA		
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA			NA			NA			NA		

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	SJPC-35 [4.0-4.5] 9933547001 10/19/2011 MG/KG			SJPC-35 [5.5-6.0] 9933547002 10/19/2011 MG/KG			SJPC-35 [10.3-10.8] 9933547003 10/19/2011 MG/KG			SJPC-35 [20.4-20.9] 9933547004 10/19/2011 MG/KG			SJPC-37 [3.5-4.0] 9933547018 10/20/2011 MG/KG			SJPC-37 [5.8-6.3] 9933547017 10/20/2011 MG/KG			SJPC-37 [22.6-23.1] 9933547019 10/20/2011 MG/KG		
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
<b>Semivolatile Organic Compounds (SVOCs) by SIM</b>																							
Acenaphthene	3400	37000	NA		NA		NA		NA		0.0066	0.00012	NA		0.0515	0.00014	ND	U	0.00012				
Acenaphthylene	NA	300000	NA		NA		NA		NA		0.0018	J	0.00019	NA	0.0216	0.00022	0.00032	J	0.0002				
Anthracene	17000	30000	NA		NA		NA		NA		0.011	0.00048	NA		0.137	0.00056	ND	U	0.00049				
Benzo[a]anthracene	0.600	2.00	NA		NA		NA		NA		0.0218	0.00021	NA		0.495	0.00025	0.00047	J	0.00022				
Benzo[a]pyrene	0.200	0.200	NA		NA		NA		NA		0.0167	0.0002	NA		<b>0.324</b>	0.00023	ND	U	0.00021				
Benzo[b]fluoranthene	0.600	2.00	NA		NA		NA		NA		0.0217	0.00032	NA		0.571	0.00037	ND	U	0.00033				
Benzo[g,h,i]perylene	380000	30000	NA		NA		NA		NA		0.0105	0.00042	NA		0.205	0.00048	ND	U	0.00042				
Benzo[k]fluoranthene	6.00	23.0	NA		NA		NA		NA		0.0099	0.00034	NA		0.22	0.0004	ND	U	0.00035				
Chrysene	62.0	230	NA		NA		NA		NA		0.0218	0.00022	NA		0.492	0.00026	0.00044	J	0.00023				
Dibenzo[a,h]anthracene	0.200	0.200	NA		NA		NA		NA		0.0034	0.00032	NA		0.0721	0.00037	ND	U	0.00033				
Fluoranthene	2300	24000	NA		NA		NA		NA		0.0426	0.0002	NA		0.823	0.00023	0.00082	J	0.00021				
Fluorene	2300	24000	NA		NA		NA		NA		0.0094	0.00015	NA		0.0787	0.00017	0.00026	J	0.00015				
Indeno[1,2,3-c,d]pyrene	0.600	2.00	NA		NA		NA		NA		0.0083	0.00035	NA		0.203	0.00041	ND	U	0.00036				
Naphthalene	6.00	17.0	NA		NA		NA		NA		0.0046	0.00029	NA		0.0629	0.00033	0.00087	J	0.00029				
Phenanthrene	NA	300000	NA		NA		NA		NA		0.0374	0.00018	NA		0.379	0.00021	0.00081	J	0.00018				
Pyrene	1700	18000	NA		NA		NA		NA		0.0419	0.00019	NA		0.685	0.00022	0.00086	J	0.0002				
<b>Inorganics</b>																							
Aluminum	78000	NA	6840	14	4710	13	5410	15.1	5820	13.3	5450	14.1	4590	15.4	5730	12.2							
Antimony	31.0	450	2	0.35	1	0.33	5.3	0.38	ND	U	0.34	<b>163</b>	0.36	ND	U	0.39	0.37	J	0.31				
Arsenic	19.0	19.0	13	0.54	5.1	0.5	14.5	0.58	2.1	0.51	<b>27.8</b>	0.54	4.6	0.59	2.8	0.47							
Barium	16000	59000	149	0.86	94.6	0.8	441	0.93	30.5	0.82	364	0.86	69.7	0.95	26.4	0.75							
Beryllium	16.0	140	0.39	J	0.18	0.34	J	0.17	0.47	J	0.19	0.32	J	0.17	0.48	J	0.18	0.37	J	0.2	0.43	J	0.16
Cadmium	78.0	78.0	1.1	0.18	1	0.17	4.6	0.19	ND	U	0.17	20.1	0.18	0.8	0.2	ND	U	0.16					
Calcium	NA	NA	NA		NA		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	NA	NA	18.1	0.35	12.7	0.33	27.8	0.38	13.5	0.34	194	0.36	13.9	0.39	19.4	0.31							
Cobalt	1600	590	7.3	0.86	2.7	0.8	18.3	0.93	3.7	0.82	18.1	0.86	5.5	0.95	4.6	0.75							
Copper	3100	45000	69.6	0.86	78.6	0.8	143	0.93	4	0.82	1020	17.3	17.5	0.95	7.3	0.75							
Iron	NA	NA	20500	8.6	10300	8	15700	9.3	8450	8.2	119000	173	12200	9.5	12600	7.5							
Lead	400	800	<b>428</b>	0.35	145	0.33	<b>707</b>	0.38	6.1	0.34	<b>2930</b>	7.1	60.1	0.39	7.4	0.31							
Magnesium	NA	NA	NA		NA		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	11000	5900	178	0.86	164	0.8	105	0.93	71.4	0.82	868	17.3	203	0.95	68.1	0.75							
Mercury	23.0	65.0	1	0.074	0.43	0.071	2	0.087	ND	U	0.059	6	0.37	0.32	0.075	ND	U	0.071					
Nickel	1600	23000	16.6	0.86	6.4	0.8	30.3	0.93	7.8	0.82	99.9	0.86	11	0.95	7.7	0.75							
Potassium	NA	NA	NA		NA		NA		NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	390	5700	2.3	J	0.86	1.6	J	0.8	2.8	J	0.93	0.89	J	0.82	3.4	0.86	2.9	J	0.95	2.2	J	0.75	
Silver	390	5700	ND	U	0.35	ND	U	0.33	1.5	0.38	ND	U	0.34	1.8	0.36	ND	U	0.39	ND	U	0.31		
Sodium	NA	NA	569	5.4	218	5	181	5.8	45.2	5.1	569	5.4	283	5.9	30.5	4.7							
Thallium	5.00	79.0	1.3	0.18	0.47	J	0.17	2.2	0.19	ND	U	0.17	1.2	0.18	ND	U	0.2	ND	U	0.16			
Vanadium	78.0	1100	21.1	0.54	11.8	0.5	17.7	0.58	13.4	0.51	45.9	0.54	13.9	0.59	21.7	0.47							
Zinc	23000	110000	190	0.86	96.1	0.8	737	0.93	23.3	0.82	3000	17.3	404	0.95	25	0.75							
<b>General Chemistry</b>																							
Cyanide	1600	23000	2	0.07	6.8	0.068	3.8	0.08	ND	U	0.064	2.6	0.068	0.12	J	0.074	0.11	J	0.065				
Solids, Percent (%)			NA		NA		NA		NA		NA		NA		NA		NA		NA				

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-38 [2.9-3.4]			SJPC-38 [2.9-3.4]			SJPC-38 [5.2-5.7]			SB-39 [4.5-5.0]			SB-39 [6.0-6.5]			SB-39 [25.5-26.0]		
LAB ID:			9932971010			9932971011			9932971012			9932246001			9932246002			9932246003		
COLLECTION DATE:			10/18/2011			10/18/2011			10/18/2011			10/11/2011			10/11/2011			10/11/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acetone	70000	NA	0.145		0.0059	0.154		0.0056	0.173		0.0044	0.189		0.0069	0.0829		0.0043	0.668		0.0104
Benzene	2.00	5.00	ND	U	0.00065	ND	U	0.00061	0.00066	J	0.00048	ND	U	0.00075	ND	U	0.00046	ND	U	0.0011
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.00092	ND	U	0.00087	ND	U	0.00068	ND	U	0.0011	ND	U	0.00066	ND	U	0.0016
Bromoform (THM)b	81.0	280	ND	U	0.00067	ND	U	0.00064	ND	U	0.0005	ND	U	0.00078	ND	U	0.00048	ND	U	0.0012
Bromomethane	25.0	59.0	ND	U	0.00067	ND	U	0.00064	ND	U	0.0005	ND	U	0.00078	ND	U	0.00048	ND	U	0.0012
2-Butanone (Methyl Ethyl Ketone)	3100	44000	0.0049	J	0.0041	ND	U	0.0039	0.014		0.0031	ND	U	0.0048	ND	U	0.003	ND	U	0.0072
Carbon Disulfide	7800	110000	0.0023	J	0.00081	0.0035		0.00077	0.0144		0.0006	ND	U	0.00094	ND	U	0.00058	0.0033	J	0.0014
Carbon Tetrachloride	0.600	2.00	ND	U	0.00066	ND	U	0.00063	ND	U	0.00049	ND	U	0.00076	ND	U	0.00047	ND	U	0.0011
Chlorobenzene	510	7400	ND	U	0.00066	ND	U	0.00063	ND	U	0.00049	ND	U	0.00076	ND	U	0.00047	ND	U	0.0011
Chloroethane	220	1100	ND	U	0.0011	ND	U	0.001	ND	U	0.00082	ND	U	0.0013	ND	U	0.00079	ND	U	0.0019
Chloroform (THM)b	0.600	2.00	ND	U	0.00068	ND	U	0.00065	ND	U	0.00051	ND	U	0.00079	ND	U	0.00049	ND	U	0.0012
Chloromethane	4.00	12.0	ND	U	0.00071	ND	U	0.00068	ND	U	0.00053	ND	U	0.00082	ND	U	0.00051	ND	U	0.0012
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.00088	ND	U	0.00083	ND	U	0.00065	ND	U	0.001	ND	U	0.00063	ND	U	0.0015
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0037	ND	U	0.0036	ND	U	0.0028	ND	U	0.0043	ND	U	0.0027	ND	U	0.0065
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.0007	ND	U	0.00066	ND	U	0.00052	ND	U	0.00081	ND	U	0.0005	ND	U	0.0012
1,2-Dichlorobenzene	5300	59000	ND	U	0.0221	ND	U	0.0221	ND	U	0.022	ND	U	0.0223	ND	U	0.0239	ND	U	0.0326
1,3-Dichlorobenzene	5300	59000	ND	U	0.0166	ND	U	0.0166	ND	U	0.0165	ND	U	0.0167	ND	U	0.0179	ND	U	0.0244
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.0109	ND	U	0.0109	ND	U	0.0109	ND	U	0.011	ND	U	0.0118	0.0488	J	0.0161
1,1-Dichloroethane	8.00	24.0	ND	U	0.00065	ND	U	0.00061	ND	U	0.00048	ND	U	0.00075	ND	U	0.00046	ND	U	0.0011
1,2-Dichloroethane	0.900	3.00	ND	U	0.00065	ND	U	0.00061	ND	U	0.00048	ND	U	0.00075	ND	U	0.00046	ND	U	0.0011
1,1-Dichloroethene	11.0	150	ND	U	0.00067	ND	U	0.00064	ND	U	0.0005	ND	U	0.00078	ND	U	0.00048	ND	U	0.0012
cis-1,2-Dichloroethene	230	560	ND	U	0.00065	ND	U	0.00061	ND	U	0.00048	ND	U	0.00075	ND	U	0.00046	ND	U	0.0011
trans-1,2-Dichloroethene	300	720	ND	U	0.00067	ND	U	0.00064	ND	U	0.0005	ND	U	0.00078	ND	U	0.00048	ND	U	0.0012
1,2-Dichloropropane	2.00	5.00	ND	U	0.00077	ND	U	0.00074	ND	U	0.00058	ND	U	0.0009	ND	U	0.00056	ND	U	0.0014
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.00071	ND	U	0.00068	ND	U	0.00053	ND	U	0.00082	ND	U	0.00051	ND	U	0.0012
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.00075	ND	U	0.00071	ND	U	0.00056	ND	U	0.00087	ND	U	0.00054	ND	U	0.0013
Ethylbenzene	7800	110000	ND	U	0.00088	ND	U	0.00083	ND	U	0.00065	ND	U	0.001	ND	U	0.00063	ND	U	0.0015
Hexachlorobutadiene	6.00	25.0	ND	U	0.0221	ND	U	0.0221	ND	U	0.022	ND	U	0.0223	ND	U	0.0239	ND	U	0.0326
2-Hexanone	NA	NA	ND	U	0.0036	ND	U	0.0034	ND	U	0.0027	ND	U	0.0042	ND	U	0.0026	ND	U	0.0063
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.001	ND	U	0.00096	ND	U	0.00075	ND	U	0.0012	ND	U	0.00072	ND	U	0.0018
4-Methyl-2-pentanone	NA	NA	ND	U	0.0049	ND	U	0.0047	ND	U	0.0036	ND	U	0.0057	ND	U	0.0035	ND	U	0.0086
Styrene	90.0	260	ND	U	0.00065	ND	U	0.00061	ND	U	0.00048	ND	U	0.00075	ND	U	0.00046	ND	U	0.0011
Tetrachloroethene	2.00	5.00	ND	U	0.00077	ND	U	0.00074	ND	U	0.00058	ND	U	0.0009	ND	U	0.00056	ND	U	0.0014
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.00072	ND	U	0.00069	ND	U	0.00054	ND	U	0.00084	ND	U	0.00052	ND	U	0.0013
Toluene	6300	91000	ND	U	0.00087	ND	U	0.00082	ND	U	0.00064	0.001	J	0.001	0.00067	J	0.00062	ND	U	0.0015
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.0102	ND	U	0.0102	ND	U	0.0103	ND	U	0.0103	ND	U	0.011	0.0279	J	0.015
1,1,1-Trichloroethane	290	4200	ND	U	0.0008	ND	U	0.00076	ND	U	0.0006	ND	U	0.00093	ND	U	0.00058	ND	U	0.0014
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.00072	ND	U	0.00069	ND	U	0.00054	ND	U	0.00084	ND	U	0.00052	ND	U	0.0013
Trichloroethene	7.00	20.0	ND	U	0.00065	ND	U	0.00061	ND	U	0.00048	ND	U	0.00075	ND	U	0.00046	ND	U	0.0011
Vinyl Chloride	0.700	2.00	ND	U	0.00065	ND	U	0.00061	ND	U	0.00048	ND	U	0.00075	ND	U	0.00046	ND	U	0.0011
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		
o-Xylene	12000	170000	NA			NA			NA			NA			NA			NA		

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-38 [2.9-3.4]			SJPC-38 [2.9-3.4]			SJPC-38 [5.2-5.7]			SB-39 [4.5-5.0]			SB-39 [6.0-6.5]			SB-39 [25.5-26.0]		
LAB ID:			9932971010			9932971011			9932971012			9932246001			9932246002			9932246003		
COLLECTION DATE:			10/18/2011			10/18/2011			10/18/2011			10/11/2011			10/11/2011			10/11/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Xylenes	12000	170000	ND	U	0.0018	ND	U	0.0017	ND	U	0.0013	ND	U	0.0021	ND	U	0.0013	ND	U	0.0032
Bromochloromethane	NA	NA	NA			NA			NA			NA			NA			NA		
Cyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
Dichlorodifluoromethane	230000	490	NA			NA			NA			NA			NA			NA		
1,4-Dioxane	NA	NA	NA			NA			NA			NA			NA			NA		
Freon 113	NA	NA	NA			NA			NA			NA			NA			NA		
Isopropylbenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Methyl Acetate	NA	78000	NA			NA			NA			NA			NA			NA		
Methyl Tert Butyl Ether	320	110	NA			NA			NA			NA			NA			NA		
Methylcyclohexane	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
Trichlorofluoromethane	340000	23000	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Volatile	NA	NA	NA			NA			NA			NA			NA			NA		
<i>Semivolatile Organic Compounds (SVOCs)</i>																				
Acenaphthene	3400	37000	0.0837		0.0221	0.0852		0.0221	ND	U	0.022	2.45		0.0223	0.088		0.0239	0.13		0.0326
Acenaphthylene	NA	300000	0.0887		0.0122	0.081		0.0121	ND	U	0.0121	3.53		0.0123	0.129		0.0131	0.113		0.0179
Anthracene	17000	30000	0.392		0.0133	0.192		0.0132	0.0202	J	0.0132	5.16		0.134	0.256		0.0143	0.219		0.0196
Benzo[a]anthracene	0.600	2.00	<b>0.664</b>		0.0199	0.557		0.0199	0.044	J	0.0198	<b>3.88</b>		0.0201	<b>0.629</b>		0.0215	<b>0.746</b>		0.0293
Benzo[a]pyrene	0.200	0.200	<b>0.617</b>		0.0092	<b>0.503</b>		0.0092	0.0464	J	0.0091	<b>3.02</b>		0.0092	<b>0.586</b>		0.0099	<b>0.793</b>		0.0135
Benzo[b]fluoranthene	0.600	2.00	<b>0.941</b>		0.0155	<b>0.833</b>		0.0155	0.0684	J	0.0154	<b>4.45</b>		0.0156	<b>0.882</b>		0.0167	<b>1.57</b>		0.0228
Benzo[g,h,i]perylene	380000	30000	0.145		0.0093	0.117		0.0093	0.0186	J	0.0093	0.493		0.0094	0.0892		0.01	0.284		0.0137
Benzo[k]fluoranthene	6.00	23.0	0.353		0.0144	0.335		0.0143	0.0307	J	0.0143	2.09		0.0145	0.352		0.0155	0.531		0.0212
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.0299	ND	U	0.0298	ND	U	0.0298	ND	U	0.0301	ND	U	0.0323	ND	U	0.044
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.0144	ND	U	0.0143	ND	U	0.0143	ND	U	0.0145	ND	U	0.0155	ND	U	0.0212
bis(2-Ethylhexyl)phthalate	35.0	140	0.0733	J	0.0155	0.0643	J	0.0155	0.0198	J	0.0154	0.194		0.0156	0.0499	J	0.0167	6.58		0.114
Butylbenzylphthalate	1200	14000	0.0114	J	0.0104	0.0202	J	0.0104	ND	U	0.0104	0.0341	J	0.0105	ND	U	0.0112	0.171		0.0153
Carbazole	24.0	96.0	0.0756	J	0.0133	0.0534	J	0.0132	ND	U	0.0132	2.68		0.0134	0.0573	J	0.0143	0.0509	J	0.0196
4-Chloroaniline	NA	NA	ND	U	0.0929	ND	U	0.0927	ND	U	0.0926	ND	U	0.0936	ND	U	0.1	0.337	J	0.137
4-Chloro-3-methylphenol	NA	NA	ND	U	0.0232	ND	U	0.0232	ND	U	0.0231	ND	U	0.0234	ND	U	0.0251	ND	U	0.0342
2-Chloronaphthalene	NA	NA	ND	U	0.0144	ND	U	0.0143	ND	U	0.0143	ND	U	0.0145	ND	U	0.0155	ND	U	0.0212
2-Chlorophenol	310	2200	ND	U	0.0254	ND	U	0.0254	ND	U	0.0254	ND	U	0.0256	ND	U	0.0275	ND	U	0.0375
Chrysene	62.0	230	0.641		0.0104	0.53		0.0104	0.0468	J	0.0104	3.2		0.0105	0.581		0.0112	0.919		0.0153
Dibenzo[a,h]anthracene	0.200	0.200	0.057	J	0.0092	0.052	J	0.0092	ND	U	0.0091	<b>0.223</b>		0.0092	0.038	J	0.0099	0.0811	J	0.0135
3,3-Dichlorobenzidine	1.00	4.00	ND	U	0.063	ND	U	0.0629	ND	U	0.0628	ND	U	0.0635	ND	U	0.0681	ND	U	0.0929
2,4-Dichlorophenol	180	2100	ND	U	0.0188	ND	U	0.0188	ND	U	0.0187	ND	U	0.0189	ND	U	0.0203	ND	U	0.0277
Diethylphthalate	49000	550000	ND	U	0.0092	ND	U	0.0092	ND	U	0.0091	ND	U	0.0092	ND	U	0.0099	ND	U	0.0135
2,4-Dimethylphenol	1200	14000	ND	U	0.0564	ND	U	0.0563	ND	U	0.0562	0.0752	J	0.0568	ND	U	0.061	ND	U	0.0831
Dimethylphthalate	NA	NA	ND	U	0.0177	ND	U	0.0177	ND	U	0.0176	ND	U	0.0178	ND	U	0.0191	ND	U	0.0261
Di-n-butylphthalate	6100	68000	0.0137	J	0.0122	ND	U	0.0121	ND	U	0.0121	0.0125	J	0.0123	ND	U	0.0131	0.0403	J	0.0179
Di-n-octylphthalate	2400	27000	ND	U	0.0092	ND	U	0.0092	ND	U	0.0091	ND	U	0.0092	ND	U	0.0099	ND	U	0.0135
2,4-Dinitrophenol	120	1400	ND	U	0.105	ND	U	0.105	ND	U	0.105	ND	U	0.106	ND	U	0.114	ND	U	0.155
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.0122	ND	U	0.0121	ND	U	0.0121	ND	U	0.0123	ND	U	0.0131	ND	U	0.0179
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.0133	ND	U	0.0132	ND	U	0.0132	ND	U	0.0134	ND	U	0.0143	ND	U	0.0196

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Soil Sampling Results - 2011 and 2012  
South Jersey Port  
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CLIENT ID:			SJPC-38 [2.9-3.4]			SJPC-38 [2.9-3.4]			SJPC-38 [5.2-5.7]			SB-39 [4.5-5.0]			SB-39 [6.0-6.5]			SB-39 [25.5-26.0]		
LAB ID:			9932971010			9932971011			9932971012			9932246001			9932246002			9932246003		
COLLECTION DATE:			10/18/2011			10/18/2011			10/18/2011			10/11/2011			10/11/2011			10/11/2011		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Semivolatile Organic Compounds (SVOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Fluoranthene	2300	24000	1.25		0.0122	0.952		0.0121	0.0733		0.0121	8.5		0.123	0.963		0.0131	1.42		0.0179
Fluorene	2300	24000	0.147		0.0103	0.115		0.0103	ND	U	0.0103	5.76		0.104	0.138		0.0111	0.118		0.0152
Hexachlorobenzene	0.300	1.00	ND	U	0.0254	ND	U	0.0254	ND	U	0.0254	ND	U	0.0256	ND	U	0.0275	ND	U	0.0375
Hexachlorocyclopentadiene	45.0	110	ND	U	0.0862	ND	U	0.0861	ND	U	0.086	ND	U	0.0869	ND	U	0.0932	ND	U	0.127
Hexachloroethane	35.0	140	ND	U	0.0243	ND	U	0.0243	ND	U	0.0243	ND	U	0.0245	ND	U	0.0263	ND	U	0.0359
Indeno[1,2,3-c,d]pyrene	0.600	2.00	0.17		0.0092	0.13		0.0092	0.0172	J	0.0091	0.609		0.0092	0.117		0.0099	0.263		0.0135
Isophorone	510	2000	ND	U	0.0144	ND	U	0.0143	ND	U	0.0143	ND	U	0.0145	ND	U	0.0155	ND	U	0.0212
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	0.0951	ND	U	0.0949	ND	U	0.0948	ND	U	0.0958	ND	U	0.103	ND	U	0.14
2-Methylnaphthalene	230	2400	0.0739		0.0094	0.0763		0.0094	0.018	J	0.0094	1.92		0.0095	0.114		0.0102	0.0791	J	0.0139
2-Methylphenol	310	3400	ND	U	0.0299	ND	U	0.0298	ND	U	0.0298	ND	U	0.0301	ND	U	0.0323	ND	U	0.044
4-Methylphenol	31.0	340	0.0384	J	0.0144	0.0185	J	0.0143	ND	U	0.0143	ND	U	0.0145	ND	U	0.0155	0.098	J	0.0212
Naphthalene	6.00	17.0	0.194		0.0199	0.178		0.0199	0.0202	J	0.0198	5.88		0.201	0.217		0.0215	0.132		0.0293
2-Nitroaniline	39.0	23000	ND	U	0.0697	ND	U	0.0695	ND	U	0.0694	ND	U	0.0702	ND	U	0.0753	ND	U	0.103
Nitrobenzene	31.0	340	ND	U	0.0564	ND	U	0.0563	ND	U	0.0562	ND	U	0.0568	ND	U	0.061	ND	U	0.0831
N-Nitrosodiphenylamine	99.0	390	ND	U	0.0133	ND	U	0.0132	ND	U	0.0132	ND	U	0.0134	ND	U	0.0143	ND	U	0.0196
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.031	ND	U	0.0309	ND	U	0.0309	ND	U	0.0312	ND	U	0.0335	ND	U	0.0456
Pentachlorophenol	3.00	10.0	ND	U	0.0708	ND	U	0.0706	ND	U	0.0706	ND	U	0.0713	ND	U	0.0765	ND	U	0.104
Phenanthrene	NA	300000	1.03		0.0144	0.607		0.0143	0.0587		0.0143	13.6		0.145	0.719		0.0155	0.774		0.0212
Phenol	18000	210000	ND	U	0.0453	ND	U	0.0453	ND	U	0.0452	ND	U	0.0457	ND	U	0.049	ND	U	0.0668
Pyrene	1700	18000	1.02		0.0111	0.773		0.011	0.0767		0.011	7.18		0.111	0.875		0.012	2.38		0.0163
2,4,5-Trichlorophenol	6100	68000	ND	U	0.0663	ND	U	0.0662	ND	U	0.0661	ND	U	0.0669	ND	U	0.0717	ND	U	0.0978
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.0343	ND	U	0.0342	ND	U	0.0342	ND	U	0.0345	ND	U	0.0371	ND	U	0.0505
Acetophenone	5	2	NA			NA			NA			NA			NA			NA		
Atrazine	2400	210	NA			NA			NA			NA			NA			NA		
Benzaldehyde	68000	6100	NA			NA			NA			NA			NA			NA		
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA			NA			NA		
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Caprolactam	340000	31000	NA			NA			NA			NA			NA			NA		
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA			NA			NA		
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			NA		
Dibenzofuran	NA	NA	NA			NA			NA			NA			NA			NA		
Hexachlorobutadiene	25	6	NA			NA			NA			NA			NA			NA		
3-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
4-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			NA		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA			NA			NA		
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA			NA			NA		
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA			NA			NA		

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Reviewed by: NAW 6/7/2012



Table 2  
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South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	SJPC-38 [2.9-3.4] 9932971010 10/18/2011 MG/KG			SJPC-38 [2.9-3.4] 9932971011 10/18/2011 MG/KG			SJPC-38 [5.2-5.7] 9932971012 10/18/2011 MG/KG			SB-39 [4.5-5.0] 9932246001 10/11/2011 MG/KG			SB-39 [6.0-6.5] 9932246002 10/11/2011 MG/KG			SB-39 [25.5-26.0] 9932246003 10/11/2011 MG/KG			
<i>Semivolatile Organic Compounds (SVOCs) by SIM</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
Acenaphthene	3400	37000	NA			NA			0.0212		0.00012	0.977		0.00012	0.0733		0.00013	0.128		0.00018	
Acenaphthylene	NA	300000	NA			NA			0.0115		0.0002	1.54		0.0002	0.153		0.00022	0.141		0.00029	
Anthracene	17000	30000	NA			NA			0.0199		0.0005	2.67		0.0005	0.276		0.00054	0.156		0.00073	
Benzo[a]anthracene	0.600	2.00	NA			NA			0.0537		0.00022	NA			0.718		0.00024	NA			
Benzo[a]pyrene	0.200	0.200	NA			NA			0.054		0.00021	NA			NA			NA			
Benzo[b]fluoranthene	0.600	2.00	NA			NA			0.083		0.00033	NA			NA			NA			
Benzo[g,h,i]perylene	380000	30000	NA			NA			0.0238		0.00043	NA			NA			NA			
Benzo[k]fluoranthene	6.00	23.0	NA			NA			0.0357		0.00035	NA			NA			NA			
Chrysene	62.0	230	NA			NA			0.0576		0.00023	NA			0.578		0.00025	NA			
Dibenzo[a,h]anthracene	0.200	0.200	NA			NA			0.0064		0.00033	NA			NA			NA			
Fluoranthene	2300	24000	NA			NA			0.0894		0.00021	3.18		0.00021	0.754		0.00023	0.896		0.00031	
Fluorene	2300	24000	NA			NA			0.0175		0.00015	2.34		0.00016	0.144		0.00017	0.176		0.00023	
Indeno[1,2,3-c,d]pyrene	0.600	2.00	NA			NA			0.0195		0.00036	NA			NA			NA			
Naphthalene	6.00	17.0	NA			NA			0.0268		0.0003	2.51		0.0003	0.242		0.00032	0.142		0.00044	
Phenanthrene	NA	300000	NA			NA			0.0649		0.00019	5.35		0.00019	0.692		0.0002	0.583		0.00028	
Pyrene	1700	18000	NA			NA			0.087		0.0002	3.06		0.0002	0.879		0.00022	0.878		0.00029	
<b>Inorganics</b>																					
Aluminum	78000	NA	15300		12.2	12100		13.8	9740		14	4290		12.7	3600		13.3	12100		19.7	
Antimony	31.0	450	0.72	J	0.31	1.6		0.35	1.5		0.36	2.7		0.32	4.6		0.34	6.5		0.5	
Arsenic	19.0	19.0	7.9		0.47	13.8		0.53	13.1		0.54	5.2		0.49	10.3		0.51	11.9		0.76	
Barium	16000	59000	170		0.75	194		0.85	40.2		0.86	33.6		0.78	56.1		0.82	191		1.2	
Beryllium	16.0	140	1.3		0.15	1		0.17	0.53	J	0.18	0.24	J	0.16	0.3	J	0.17	1.9		0.25	
Cadmium	78.0	78.0	3.2		0.15	5.9		0.17	0.75		0.18	1.2		0.16	1.4		0.17	13.8		0.25	
Calcium	NA	NA	NA			NA			NA		NA	NA		NA	NA		NA	NA			
Chromium	NA	NA	39.9		0.31	44.5		0.35	98.2		0.36	23.4		0.32	28.8		0.34	107		0.5	
Cobalt	1600	590	3.2		0.75	3.8		0.85	2.6	J	0.86	3.3		0.78	6		0.82	13.5		1.2	
Copper	3100	45000	27.4		0.75	53.9		0.85	17.6		0.86	98.9		0.78	99.8		0.82	108		1.2	
Iron	NA	NA	14400		7.5	17500		8.5	19300		8.6	13900		7.8	12900		8.2	31000		12.1	
Lead	400	800	93.3		0.31	111		0.35	294		0.36	422		0.32	171		0.34	198		0.5	
Magnesium	NA	NA	NA			NA			NA		NA	NA		NA	NA		NA	NA			
Manganese	11000	5900	254		0.75	281		0.85	58.6		0.86	87.7		0.78	137		0.82	577		1.2	
Mercury	23.0	65.0	0.12	J	0.068	0.21		0.067	ND	U	0.065	ND	U	0.065	ND	U	0.065	0.52			
Nickel	1600	23000	8.9		0.75	9.4		0.85	7.6		0.86	9.4		0.78	10.1		0.82	35.4		1.2	
Potassium	NA	NA	NA			NA			NA		NA	NA		NA	NA		NA	NA			
Selenium	390	5700	3.8		0.75	4.4		0.85	2.2	J	0.86	1.3	J	0.78	2.4	J	0.82	5.8		1.2	
Silver	390	5700	ND	U	0.31	ND	U	0.35	ND	U	0.36	ND	U	0.32	ND	U	0.34	3.2		0.5	
Sodium	NA	NA	404		4.7	358		5.3	265		5.4	78		4.9	222		5.1	136		7.6	
Thallium	5.00	79.0	0.19	J	0.15	0.22	J	0.17	0.32	J	0.18	ND	U	0.16	ND	U	0.17	0.26	J	0.25	
Vanadium	78.0	1100	43		0.47	51.5		0.53	89.4		0.54	29.7		0.49	30.5		0.51	72.6		0.76	
Zinc	23000	110000	996		0.75	2250		0.85	245		0.86	297		0.78	208		0.82	919		1.2	
<b>General Chemistry</b>																					
Cyanide	1600	23000	5.7		0.066	5.1		0.064	0.45		0.066	0.95		0.066	1.9		0.069	0.51		0.1	
Solids, Percent (%)			NA			NA			NA			NA			NA			NA			

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSR (MG/KG)	NRCSR (MG/KG)	SJPC-40 [3.6-4.1]			SJPC-40 [6.0-6.5]			SJPC-40 [10.0-10.5]			SJPC-40 [15.4-15.9]			SJPC-40 [22.8-23.3]			SJPC-41(2.0-3.0)			SJPC-41(6.0-6.5)			
			9932971019			9932971020			9932971021			9932971022			9932971023			JB18136-10			JB18136-1			
			10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/18/2011			10/2/2012			10/2/2012			
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	CONC	Q	RDL	CONC	Q	RDL	
<b>Volatile Organic Compounds (VOCs)</b>																								
Acetone	70000	NA	0.12		0.0054	0.0708		0.0048	0.128		0.0075	0.323		0.0078	0.312		0.0091	0.0253	J	0.0093	0.0161	J	0.011	
Benzene	2.00	5.00	ND	U	0.00058	ND	U	0.00052	ND	U	0.00082	ND	U	0.00084	ND	U	0.00098	0.00091	J	0.00093	0.00078	J	0.0011	
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.00083	ND	U	0.00074	ND	U	0.0012	ND	U	0.0012	ND	U	0.0014	ND			0.0046	ND	0.0055	
Bromoform (THM)b	81.0	280	ND	U	0.00061	ND	U	0.00054	ND	U	0.00085	ND	U	0.00088	ND	U	0.001	ND			0.0046	ND	0.0055	
Bromomethane	25.0	59.0	ND	U	0.00061	ND	U	0.00054	ND	U	0.00085	ND	U	0.00088	ND	U	0.001	ND			0.0046	ND	0.0055	
2-Butanone (Methyl Ethyl Ketone)	3100	44000	ND	U	0.0037	ND	U	0.0034	ND	U	0.0052	0.013	J	0.0054	0.0266		0.0063	ND	R	0.0093	0.0083	J	0.011	
Carbon Disulfide	7800	110000	ND	U	0.00074	ND	U	0.00066	0.0043		0.001	ND	U	0.0011	ND	U	0.0012	0.00079	J		0.0046	ND	0.0055	
Carbon Tetrachloride	0.600	2.00	ND	U	0.0006	ND	U	0.00053	ND	U	0.00083	ND	U	0.00086	ND	U	0.001	ND			0.0046	ND	0.0055	
Chlorobenzene	510	7400	ND	U	0.0006	ND	U	0.00053	ND	U	0.00083	ND	U	0.00086	ND	U	0.001	ND			0.0046	ND	0.0055	
Chloroethane	220	1100	ND	U	0.00099	ND	U	0.00089	ND	U	0.0014	ND	U	0.0014	ND	U	0.0017	ND			0.0046	ND	0.0055	
Chloroform (THM)b	0.600	2.00	ND	U	0.00062	ND	U	0.00055	ND	U	0.00087	ND	U	0.00089	ND	U	0.001	ND			0.0046	ND	0.0055	
Chloromethane	4.00	12.0	ND	U	0.00064	ND	U	0.00058	ND	U	0.0009	ND	U	0.00093	ND	U	0.0011	ND			0.0046	ND	0.0055	
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.00079	ND	U	0.00071	ND	U	0.0011	ND	U	0.0011	ND	U	0.0013	ND			0.0046	ND	0.0055	
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	0.0034	ND	U	0.003	ND	U	0.0047	ND	U	0.0049	ND	U	0.0057	ND			0.0093	ND	0.011	
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.00063	ND	U	0.00057	ND	U	0.00088	ND	U	0.00091	ND	U	0.0011	ND			0.00093	ND	0.0011	
1,2-Dichlorobenzene	5300	59000	ND	U	0.0225	ND	U	0.022	ND	U	0.0247	ND	U	0.0289	ND	U	0.03	ND			0.0046	ND	0.0055	
1,3-Dichlorobenzene	5300	59000	ND	U	0.0169	ND	U	0.0165	ND	U	0.0185	ND	U	0.0217	ND	U	0.0225	ND			0.0046	ND	0.0055	
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.0112	ND	U	0.0109	ND	U	0.0122	ND	U	0.0143	ND	U	0.0149	ND			0.0046	ND	0.0055	
1,1-Dichloroethane	8.00	24.0	ND	U	0.00058	ND	U	0.00052	ND	U	0.00082	ND	U	0.00084	ND	U	0.00098	ND			0.0046	ND	0.0055	
1,2-Dichloroethane	0.900	3.00	ND	U	0.00058	ND	U	0.00052	ND	U	0.00082	ND	U	0.00084	ND	U	0.00098	ND			0.00093	ND	0.0011	
1,1-Dichloroethene	11.0	150	ND	U	0.00061	ND	U	0.00054	ND	U	0.00085	ND	U	0.00088	ND	U	0.001	ND			0.0046	ND	0.0055	
cis-1,2-Dichloroethene	230	560	ND	U	0.00058	ND	U	0.00052	ND	U	0.00082	ND	U	0.00084	ND	U	0.00098	ND			0.0046	ND	0.0055	
trans-1,2-Dichloroethene	300	720	ND	U	0.00061	ND	U	0.00054	ND	U	0.00085	ND	U	0.00088	ND	U	0.001	ND			0.0046	ND	0.0055	
1,2-Dichloropropane	2.00	5.00	ND	U	0.0007	ND	U	0.00063	ND	U	0.00098	ND	U	0.001	ND	U	0.0012	ND			0.0046	ND	0.0055	
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.00064	ND	U	0.00058	ND	U	0.0009	ND	U	0.00093	ND	U	0.0011	ND			0.0046	ND	0.0055	
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.00068	ND	U	0.00061	ND	U	0.00095	ND	U	0.00098	ND	U	0.0011	ND			0.0046	ND	0.0055	
Ethylbenzene	7800	110000	ND	U	0.00079	ND	U	0.00071	ND	U	0.0011	ND	U	0.0011	ND	U	0.0013	0.00052	J		0.00093	ND	0.0011	
Hexachlorobutadiene	6.00	25.0	ND	U	0.0225	ND	U	0.022	ND	U	0.0247	ND	U	0.0289	ND	U	0.03	NA			NA	ND	0.0055	
2-Hexanone	NA	NA	ND	U	0.0033	ND	U	0.0029	ND	U	0.0046	ND	U	0.0047	ND	U	0.0055	ND	J		0.0046	ND	0.0055	
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.00091	ND	U	0.00082	ND	U	0.0013	ND	U	0.0013	ND	U	0.0015	ND			0.0046	ND	0.0055	
4-Methyl-2-pentanone	NA	NA	ND	U	0.0044	ND	U	0.004	ND	U	0.0062	ND	U	0.0064	ND	U	0.0075	0.0028	J		0.0046	ND	0.0055	
Styrene	90.0	260	ND	U	0.00058	ND	U	0.00052	ND	U	0.00082	ND	U	0.00084	ND	U	0.00098	ND			0.0046	ND	0.0055	
Tetrachloroethene	2.00	5.00	ND	U	0.0007	ND	U	0.00063	ND	U	0.00098	ND	U	0.001	ND	U	0.0012	ND			0.0046	ND	0.0055	
1,1,2,2-Tetrachloroethane	1.00	3.00	ND	U	0.00065	ND	U	0.00059	ND	U	0.00091	ND	U	0.00095	ND	U	0.0011	ND			0.0046	ND	0.0055	
Toluene	6300	91000	ND	U	0.00078	ND	U	0.0007	ND	U	0.0011	0.0018	J	0.0011	ND	U	0.0013	0.00059	J		0.00093	0.00061	J	0.0011
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.0104	ND	U	0.0101	ND	U	0.0114	ND	U	0.0133	ND	U	0.0138	ND			0.0046	ND	0.0055	
1,1,1-Trichloroethane	290	4200	ND	U	0.00072	ND	U	0.00065	ND	U	0.001	ND	U	0.001	ND	U	0.0012	ND			0.0046	ND	0.0055	
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.00065	ND	U	0.00059	ND	U	0.00091	ND	U	0.00095	ND	U	0.0011	ND			0.0046	ND	0.0055	
Trichloroethene	7.00	20.0	ND	U	0.00058	ND	U	0.00052	ND	U	0.00082	ND	U	0.00084	ND	U	0.00098	ND			0.0046	ND	0.0055	
Vinyl Chloride	0.700	2.00	ND	U	0.00058	ND	U	0.00052	ND	U	0.00082	ND	U	0.00084	ND	U	0.00098	ND			0.0046	ND	0.0055	
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			0.00027	J		0.00093	0.00035	J	0.0011
o-Xylene	12000	170000	NA			NA			NA			NA			NA			0.00028	J		0.00093	ND	0.0011	

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CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSR (MG/KG)	NRCSR (MG/KG)	SJPC-40 [3.6-4.1]		SJPC-40 [6.0-6.5]		SJPC-40 [10.0-10.5]		SJPC-40 [15.4-15.9]		SJPC-40 [22.8-23.3]		SJPC-41(2.0-3.0)		SJPC-41(6.0-6.5)								
			9932971019		9932971020		9932971021		9932971022		9932971023		JB18136-10		JB18136-1								
			10/18/2011		10/18/2011		10/18/2011		10/18/2011		10/18/2011		10/2/2012		10/2/2012								
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	CONC	Q	RDL	CONC	Q	RDL			
<b>Volatile Organic Compounds (VOCs)</b>																							
Xylenes	12000	170000	ND	U	0.0016	ND	U	0.0015	ND	U	0.0023	ND	U	0.0024	ND	U	0.0028	0.00055	J	0.00093	0.00035	J	0.0011
Bromochloromethane	NA	NA	NA			NA			NA			NA			ND			0.0046		ND		0.0055	
Cyclohexane	NA	NA	NA			NA			NA			NA			ND			0.0046		ND		0.0055	
Dichlorodifluoromethane	230000	490	NA			NA			NA			NA			ND		J	0.0046		ND		0.0055	
1,4-Dioxane	NA	NA	NA			NA			NA			NA			ND		J	0.12		ND		0.14	
Freon 113	NA	NA	NA			NA			NA			NA			ND		J	0.0046		ND	J	0.0055	
Isopropylbenzene	NA	NA	NA			NA			NA			NA			0.00024		J	0.0046		ND		0.0055	
Methyl Acetate	NA	78000	NA			NA			NA			NA			ND			0.0046		ND		0.0055	
Methyl Tert Butyl Ether	320	110	NA			NA			NA			NA			0.00079		J	0.00093		0.00042	J	0.0011	
Methylcyclohexane	NA	NA	NA			NA			NA			NA			ND			0.0046		ND		0.0055	
1,2,3-Trichlorobenzene	NA	NA	NA			NA			NA			NA			ND			0.0046		ND		0.0055	
Trichlorofluoromethane	340000	23000	NA			NA			NA			NA			ND			0.0046		ND		0.0055	
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA			NA			NA			0.03304					0.02691			
Total TIC, Volatile	NA	NA	NA			NA			NA			NA			0					0			
<b>Semivolatile Organic Compounds (SVOCs)</b>																							
Acenaphthene	3400	37000	ND	U	0.0225	ND	U	0.022	ND	U	0.0247	2.46		0.0289	0.2		0.03	0.0454		0.033		0.0445	0.034
Acenaphthylene	NA	300000	0.0406	J	0.0124	0.026	J	0.0121	0.0553	J	0.0136	0.565		0.0159	0.0217	J	0.0165	0.0134	J	0.033	ND	0.034	
Anthracene	17000	30000	0.107		0.0135	0.0678		0.0132	0.162		0.0148	1.45		0.0174	0.142		0.018	0.0903		0.033	0.0711	0.034	
Benzo[a]anthracene	0.600	2.00	0.252		0.0203	0.176		0.0198	0.674		0.0222	5.47		0.026	0.463		0.027	0.255		0.033	0.150	0.034	
Benzo[a]pyrene	0.200	0.200	0.204		0.0094	0.154		0.0091	0.478		0.0102	5.42		0.012	0.367		0.0125	0.234		0.033	0.162	0.034	
Benzo[b]fluoranthene	0.600	2.00	0.282		0.0158	0.2		0.0154	0.698		0.0173	6.35		0.101	0.558		0.021	0.247		0.033	0.210	0.034	
Benzo[g,h,i]perylene	380000	30000	0.0667		0.0095	0.0507	J	0.0092	0.232		0.0104	1.17		0.0122	0.0525	J	0.0126	0.161		0.033	0.0955	0.034	
Benzo[k]fluoranthene	6.00	23.0	0.1		0.0147	0.0714		0.0143	0.268		0.016	2.06		0.0188	0.231		0.0195	0.166		0.033	0.0880	0.034	
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.0304	ND	U	0.0297	ND	U	0.0333	ND	U	0.0391	ND	U	0.0405	ND		0.066	ND	0.069	
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.0147	ND	U	0.0143	ND	U	0.016	ND	U	0.0188	ND	U	0.0195	ND		0.066	ND	0.069	
bis(2-Ethylhexyl)phthalate	35.0	140	0.0241	J	0.0158	0.0437	J	0.0154	0.404		0.0173	0.778		0.0203	ND	U	0.021	0.210		0.066	0.315	0.069	
Butylbenzylphthalate	1200	14000	ND	U	0.0106	0.0247	J	0.0103	0.209		0.0116	ND	U	0.0136	ND	U	0.0141	ND		0.066	0.0428	J	0.069
Carbazole	24.0	96.0	0.0208	J	0.0135	0.0161	J	0.0132	0.0397	J	0.0148	0.118	J	0.0174	ND	U	0.018	0.0577	J	0.066	0.0249	J	0.069
4-Chloroaniline	NA	NA	ND	U	0.0947	ND	U	0.0923	ND	U	0.104	ND	U	0.122	ND	U	0.126	ND		0.16	ND		0.17
4-Chloro-3-methylphenol	NA	NA	ND	U	0.0237	ND	U	0.0231	ND	U	0.0259	ND	U	0.0304	ND	U	0.0315	NA			NA		
2-Chloronaphthalene	NA	NA	ND	U	0.0147	ND	U	0.0143	ND	U	0.016	ND	U	0.0188	ND	U	0.0195	ND		0.066	ND		0.069
2-Chlorophenol	310	2200	ND	U	0.0259	ND	U	0.0253	ND	U	0.0284	ND	U	0.0333	ND	U	0.0345	NA			NA		
Chrysene	62.0	230	0.211		0.0106	0.163		0.0103	0.751		0.0116	5.1		0.0136	0.411		0.0141	0.291		0.033	0.177	0.034	
Dibenzo[a,h]anthracene	0.200	0.200	0.019	J	0.0094	0.0168	J	0.0091	0.0851		0.0102	0.421		0.012	0.0302	J	0.0125	0.0519		0.033	0.0462	0.034	
3,3-Dichlorobenzidine	1.00	4.00	ND	U	0.0643	ND	U	0.0626	ND	U	0.0704	ND	U	0.0825	ND	U	0.0855	ND		0.16	ND		0.17
2,4-Dichlorophenol	180	2100	ND	U	0.0192	ND	U	0.0187	ND	U	0.021	ND	U	0.0246	ND	U	0.0255	NA			NA		
Diethylphthalate	49000	550000	ND	U	0.0094	ND	U	0.0091	ND	U	0.0102	ND	U	0.012	ND	U	0.0125	ND		0.066	ND		0.069
2,4-Dimethylphenol	1200	14000	ND	U	0.0575	ND	U	0.056	ND	U	0.063	ND	U	0.0738	ND	U	0.0765	NA			NA		
Dimethylphthalate	NA	NA	ND	U	0.018	ND	U	0.0176	ND	U	0.0198	ND	U	0.0231	ND	U	0.024	0.116		0.066	0.0437	J	0.069
Di-n-butylphthalate	6100	68000	ND	U	0.0124	ND	U	0.0121	0.294		0.0136	ND	U	0.0159	ND	U	0.0165	ND		0.066	ND		0.069
Di-n-octylphthalate	2400	27000	ND	U	0.0094	ND	U	0.0091	ND	U	0.0102	ND	U	0.012	ND	U	0.0125	ND		0.066	ND		0.069
2,4-Dinitrophenol	120	1400	ND	U	0.107	ND	U	0.104	ND	U	0.117	ND	U	0.137	ND	U	0.143	NA			NA		
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.0124	ND	U	0.0121	ND	U	0.0136	ND	U	0.0159	ND	U	0.0165	ND		0.066	ND		0.069
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.0135	ND	U	0.0132	ND	U	0.0148	ND	U	0.0174	ND	U	0.018	ND		0.066	ND		0.069

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CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	SJPC-40 [3.6-4.1]		SJPC-40 [6.0-6.5]		SJPC-40 [10.0-10.5]		SJPC-40 [15.4-15.9]		SJPC-40 [22.8-23.3]		SJPC-41(2.0-3.0)		SJPC-41(6.0-6.5)								
			9932971019		9932971020		9932971021		9932971022		9932971023		JB18136-10		JB18136-1								
			10/18/2011		10/18/2011		10/18/2011		10/18/2011		10/18/2011		10/2/2012		10/2/2012								
			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	CONC	Q	RDL	CONC	Q	RDL			
<b>Semivolatile Organic Compounds (SVOCs)</b>																							
Fluoranthene	2300	24000	0.369		0.0124	0.273		0.0121	1.07		0.0136	9.26		0.0796	0.641		0.0165	0.788		0.033	0.404	0.034	
Fluorene	2300	24000	0.0437	J	0.0105	0.0273	J	0.0102	0.0585	J	0.0115	1.23		0.0135	0.0459	J	0.014	0.0412		0.033	0.0447	0.034	
Hexachlorobenzene	0.300	1.00	ND	U	0.0259	ND	U	0.0253	ND	U	0.0284	ND	U	0.0333	ND	U	0.0345	ND		0.066	ND	0.069	
Hexachlorocyclopentadiene	45.0	110	ND	U	0.0879	ND	U	0.0857	ND	U	0.0963	ND	U	0.113	ND	U	0.117	ND		0.33	ND	0.34	
Hexachloroethane	35.0	140	ND	U	0.0248	ND	U	0.0242	ND	U	0.0272	ND	U	0.0318	ND	U	0.033	ND		0.16	ND	0.17	
Indeno[1,2,3-c,d]pyrene	0.600	2.00	0.0778	J	0.0094	0.0544	J	0.0091	0.222		0.0102	1.19		0.012	0.0685	J	0.0125	0.146		0.033	0.104	0.034	
Isophorone	510	2000	ND	U	0.0147	ND	U	0.0143	ND	U	0.016	ND	U	0.0188	ND	U	0.0195	ND		0.066	ND	0.069	
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	0.097	ND	U	0.0945	ND	U	0.106	ND	U	0.124	ND	U	0.129						
2-Methylnaphthalene	230	2400	0.0327	J	0.0096	0.0154	J	0.0093	0.173		0.0105	0.318		0.0123	ND	U	0.0128	ND		0.066	0.0591	J	0.069
2-Methylphenol	310	3400	ND	U	0.0304	ND	U	0.0297	ND	U	0.0333	ND	U	0.0391	ND	U	0.0405						
4-Methylphenol	31.0	340	ND	U	0.0147	ND	U	0.0143	0.0275	J	0.016	0.0393	J	0.0188	ND	U	0.0195						
Naphthalene	6.00	17.0	0.0602		0.0203	0.0232	J	0.0198	0.093		0.0222	0.661		0.026	ND	U	0.027	0.0158	J	0.033	0.0269	J	0.034
2-Nitroaniline	39.0	23000	ND	U	0.071	ND	U	0.0692	ND	U	0.0778	ND	U	0.0911	ND	U	0.0945	ND		0.16	ND	0.17	
Nitrobenzene	31.0	340	ND	U	0.0575	ND	U	0.056	ND	U	0.063	ND	U	0.0738	ND	U	0.0765	ND		0.066	ND	0.069	
N-Nitrosodiphenylamine	99.0	390	ND	U	0.0135	ND	U	0.0132	ND	U	0.0148	ND	U	0.0174	ND	U	0.018	ND		0.16	ND	0.17	
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.0316	ND	U	0.0308	ND	U	0.0346	ND	U	0.0405	ND	U	0.042	ND		0.066	ND	0.069	
Pentachlorophenol	3.00	10.0	ND	U	0.0722	ND	U	0.0703	ND	U	0.079	ND	U	0.0926	ND	U	0.096						
Phenanthrene	NA	300000	0.276		0.0147	0.216		0.0143	0.711		0.016	9.07		0.094	0.33		0.0195	0.588		0.033	0.314	0.034	
Phenol	18000	210000	ND	U	0.0462	ND	U	0.045	ND	U	0.0506	ND	U	0.0593	ND	U	0.0615						
Pyrene	1700	18000	0.374		0.0113	0.288		0.011	1.28		0.0123	9.91		0.0723	0.577		0.015	0.570		0.033	0.242	0.034	
2,4,5-Trichlorophenol	6100	68000	ND	U	0.0676	ND	U	0.0659	ND	U	0.0741	ND	U	0.0868	ND	U	0.09	NA			NA	NA	
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.035	ND	U	0.034	ND	U	0.0383	ND	U	0.0448	ND	U	0.0465	NA			NA	NA	
Acetophenone	5	2	NA			NA			NA			NA		NA				ND		0.16	ND	0.17	
Atrazine	2400	210	NA			NA			NA			NA		NA				ND		0.16	ND	0.17	
Benzaldehyde	68000	6100	NA			NA			NA			NA		NA				ND		0.16	ND	0.17	
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA		NA				ND		0.066	ND	0.069	
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA		NA				ND		0.066	ND	0.069	
Caprolactam	340000	31000	NA			NA			NA			NA		NA				ND		0.066	ND	0.069	
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA		NA				ND		0.066	ND	0.069	
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA		NA				ND		0.066	ND	0.069	
Dibenzofuran	NA	NA	NA			NA			NA			NA		NA				0.0272	J	0.066	0.0227	J	0.069
Hexachlorobutadiene	25	6	NA			NA			NA			NA		NA				ND		0.033	ND	0.034	
3-Nitroaniline	NA	NA	NA			NA			NA			NA		NA				ND		0.16	ND	0.17	
4-Nitroaniline	NA	NA	NA			NA			NA			NA		NA				ND	J	0.16	ND	J	0.17
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA		NA				ND		0.16	ND	0.17	
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA		NA				4.1149			2.6881		
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA		NA				1.43	J		5.58	J	

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID: LAB ID: COLLECTION DATE: SAMPLE UNITS:	RDCSR (MG/KG)	NRCSR (MG/KG)	SJPC-40 [3.6-4.1]		SJPC-40 [6.0-6.5]		SJPC-40 [10.0-10.5]		SJPC-40 [15.4-15.9]		SJPC-40 [22.8-23.3]		SJPC-41(2.0-3.0)		SJPC-41(6.0-6.5)			
			Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL	Conc	MDL
9932971019 10/18/2011 MG/KG			9932971019 10/18/2011 MG/KG		9932971020 10/18/2011 MG/KG		9932971021 10/18/2011 MG/KG		9932971022 10/18/2011 MG/KG		9932971023 10/18/2011 MG/KG		9932971023 10/18/2011 MG/KG	JB18136-10 10/2/2012 MG/KG		JB18136-1 10/2/2012 MG/KG		
<b>Semivolatile Organic Compounds (SVOCs) by SIM</b>																		
Acenaphthene	3400	37000	0.0163	0.00012	0.0134	0.00012	NA		NA		NA		NA		NA		NA	
Acenaphthylene	NA	300000	0.0542	0.0002	0.038	0.0002	NA		NA		NA		NA		NA		NA	
Anthracene	17000	30000	0.126	0.00051	0.0873	0.00049	NA		NA		NA		NA		NA		NA	
Benzo[a]anthracene	0.600	2.00	0.288	0.00023	0.214	0.00022	NA		NA		NA		NA		NA		NA	
Benzo[a]pyrene	0.200	0.200	0.232	0.00021	0.183	0.00021	NA		NA		NA		NA		NA		NA	
Benzo[b]fluoranthene	0.600	2.00	0.319	0.00034	0.243	0.00033	NA		NA		NA		NA		NA		NA	
Benzo[g,h,i]perylene	380000	30000	0.102	0.00044	0.0815	0.00043	NA		NA		NA		NA		NA		NA	
Benzo[k]fluoranthene	6.00	23.0	0.123	0.00036	0.0994	0.00035	NA		NA		NA		NA		NA		NA	
Chrysene	62.0	230	0.256	0.00024	0.183	0.00023	NA		NA		NA		NA		NA		NA	
Dibenzo[a,h]anthracene	0.200	0.200	0.0403	0.00034	0.0325	0.00033	NA		NA		NA		NA		NA		NA	
Fluoranthene	2300	24000	0.414	0.00021	0.333	0.00021	NA		NA		NA		NA		NA		NA	
Fluorene	2300	24000	0.0515	0.00016	0.0374	0.00015	NA		NA		NA		NA		NA		NA	
Indeno[1,2,3-c,d]pyrene	0.600	2.00	0.107	0.00037	0.0837	0.00036	NA		NA		NA		NA		NA		NA	
Naphthalene	6.00	17.0	0.053	0.0003	0.0253	0.0003	NA		NA		NA		NA		NA		NA	
Phenanthrene	NA	300000	0.304	0.00019	0.26	0.00019	NA		NA		NA		NA		NA		NA	
Pyrene	1700	18000	0.385	0.0002	0.314	0.0002	NA		NA		NA		NA		NA		NA	
<b>Inorganics</b>																		
Aluminum	78000	NA	6030	12.5	10200	13.9	3820	14	11400	17.5	15500	19.1	10800	60	8970	58		
Antimony	31.0	450	0.91	J 0.32	1.1	0.35	6.3	0.35	1.8	0.44	ND	U 0.41	<2.4	2.4	<2.3	2.3		
Arsenic	19.0	19.0	8.1	0.48	14.3	0.54	6.8	0.54	28.7	0.66	7.1	0.63	6.3	2.4	4.5	2.3		
Barium	16000	59000	31.1	0.77	51.4	0.86	51.2	0.86	133	1.1	113	1.2	108	24	73.8	23		
Beryllium	16.0	140	0.38	J 0.16	0.6	0.18	0.31	J 0.18	0.77	0.22	0.82	0.24	0.58	0.24	0.60	0.23		
Cadmium	78.0	78.0	0.41	J 0.16	2.8	0.18	2.6	0.18	4.9	0.22	0.27	J 0.21	<0.60	0.6	<0.58	0.58		
Calcium	NA	NA	NA		NA	NA	NA		NA		NA		32900	600	17900	580		
Chromium	NA	NA	66.6	0.32	90.1	0.35	17.5	0.35	74.4	0.44	17.5	0.41	19.7	1.2	33.8	1.2		
Cobalt	1600	590	1.1	J 0.77	2	J 0.86	4.5	0.86	11.7	1.1	9.2	1	6.0	6	<5.8	5.8		
Copper	3100	45000	9.2	0.77	11.6	0.86	32.3	0.86	69.4	1.1	15.7	1	85.4	3	34.5	2.9		
Iron	NA	NA	14200	7.7	19600	8.6	20900	8.6	20600	10.8	19900	11.8	15400	60	16100	58		
Lead	400	800	25.7	0.32	29.7	0.35	106	0.35	146	0.44	28.3	0.41	161	2.4	156	2.3		
Magnesium	NA	NA	NA		NA	NA	NA		NA		NA		3230	600	5060	580		
Manganese	11000	5900	15.5	0.77	38	0.86	87.4	0.86	445	1.1	981	1	253	1.8	208	1.8		
Mercury	23.0	65.0	ND	U 0.073	ND	U 0.063	0.1	J 0.071	0.8	0.094	0.29	0.088	0.70	0.034	0.57	0.036		
Nickel	1600	23000	2.7	0.77	4.5	0.86	13.1	0.86	22.6	1.1	15.1	1	12.3	4.8	15.6	4.7		
Potassium	NA	NA	NA		NA	NA	NA		NA		NA		1660	1200	1860	1200		
Selenium	390	5700	1.3	J 0.77	2.3	J 0.86	1.4	J 0.86	5.2	1.1	4.4	1	<2.4	2.4	<2.3	2.3		
Silver	390	5700	ND	U 0.32	ND	U 0.35	ND	U 0.35	0.86	J 0.44	ND	U 0.41	<0.60	0.6	<0.58	0.58		
Sodium	NA	NA	402	4.8	338	5.4	247	5.4	305	6.7	226	7.4	<1200	1200	<1200	1200		
Thallium	5.00	79.0	ND	U 0.16	ND	U 0.18	0.2	J 0.18	0.48	J 0.22	ND	U 0.21	<1.2	1.2	<1.2	1.2		
Vanadium	78.0	1100	63.5	0.48	79.5	0.54	14.2	0.54	24	0.66	17.1	0.63	23.5	6	34.4	5.8		
Zinc	23000	110000	134	0.77	197	0.86	156	0.86	565	1.1	69.4	1.2	177	2.4	115	2.3		
<b>General Chemistry</b>																		
Cyanide	1600	23000	5.2	0.067	3.1	0.067	2.1	0.072	0.87	0.086	ND	U 0.09	<0.27	0.27	<0.24	0.24		
Solids, Percent (%)			NA		NA		NA		NA		NA		88.4		89.2			

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-42(4.5-5.0)			SJPC-43(5.0-5.5)			SJPC-44(3.5-4.0)			SJPC-45(3.5-4.0)			SJPC-46(4.0-4.5)			SJPC-47(3.5-4.0)			SJPC-48(3.5-4.0)		
LAB ID:			JB18136-2			JB18136-3R			JB18136-4			JB18136-5			JB18136-6R			JB18136-7			JB17673-1		
COLLECTION DATE:			10/2/2012			10/2/2012			10/2/2012			10/2/2012			10/2/2012			10/2/2012			9/27/2012		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL
Acetone	70000	NA	0.0708		0.014	0.119		0.015	0.0995		0.01	0.0968	J	0.015	0.0548		0.014	0.0566	J	0.011	0.0375	J	0.0099
Benzene	2.00	5.00	0.0057		0.0014	0.00057	J	0.0015	0.00078	J	0.001	0.0047		0.0015	0.00068	J	0.0014	0.0022		0.0011	0.00020	J	0.00099
Bromodichloromethane (THM)b	1.00	3.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Bromoform (THM)b	81.0	280	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Bromomethane	25.0	59.0	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
2-Butanone (Methyl Ethyl Ketone)	3100	44000	ND		0.014	ND		0.015	0.0167		0.01	0.0269	J	0.015	ND		0.014	0.0088	J	0.011	ND	R	0.0099
Carbon Disulfide	7800	110000	0.0043	J	0.0068	0.0053	J	0.0073	0.0012	J	0.0052	0.00069	J	0.0073	0.0016	J	0.0072	0.0032	J	0.0056	0.0012	J	0.0049
Carbon Tetrachloride	0.600	2.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Chlorobenzene	510	7400	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Chloroethane	220	1100	ND		0.0068	ND		0.0073	0.00064	J	0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Chloroform (THM)b	0.600	2.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Chloromethane	4.00	12.0	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Dibromochloromethane (THM)b	3.00	8.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Dibromochloropropane (DBCP)	0.080	0.200	ND		0.014	ND		0.015	ND		0.01	ND		0.015	ND		0.014	ND		0.011	ND		0.0099
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND		0.0014	ND		0.0015	ND		0.001	ND		0.0015	ND		0.0014	ND		0.0011	ND		0.00099
1,2-Dichlorobenzene	5300	59000	ND		0.0068	ND		0.0073	ND		0.0052	0.00056	J	0.0073	ND		0.0072	0.0055	J	0.0056	ND		0.0049
1,3-Dichlorobenzene	5300	59000	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
1,4-Dichlorobenzene	5.00	13.0	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
1,1-Dichloroethane	8.00	24.0	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
1,2-Dichloroethane	0.900	3.00	ND		0.0014	ND		0.0015	ND		0.001	ND		0.0015	ND		0.0072	ND		0.0011	ND		0.00099
1,1-Dichloroethene	11.0	150	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
cis-1,2-Dichloroethene	230	560	ND		0.0068	0.00054	J	0.0073	ND		0.0052	ND		0.0073	0.0019	J	0.0072	0.0030	J	0.0056	ND		0.0049
trans-1,2-Dichloroethene	300	720	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
1,2-Dichloropropane	2.00	5.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
cis-1,3-Dichloropropene	2.00	7.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
trans-1,3-Dichloropropene	2.00	7.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Ethylbenzene	7800	110000	0.0010	J	0.0014	ND		0.0015	ND		0.001	0.0010	J	0.0015	0.00048	J	0.0014	0.0028		0.0011	0.00062	J	0.00099
Hexachlorobutadiene	6.00	25.0	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA		0.0049
2-Hexanone	NA	NA	ND	J	0.0068	ND		0.0073	ND		0.0052	ND	J	0.0073	ND		0.0072	ND	J	0.0056	ND		0.0049
Methylene Chloride (Dichloromethane)	34.0	97.0	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	0.0096		0.0072	ND		0.0056	ND		0.0049
4-Methyl-2-pentanone	NA	NA	0.0241		0.0068	ND		0.0073	ND		0.0052	0.0060	J	0.0073	ND		0.0072	ND		0.0056	0.0026	J	0.0049
Styrene	90.0	260	0.00075	J	0.0068	ND		0.0073	ND		0.0052	0.00087	J	0.0073	ND		0.0072	0.0024	J	0.0056	ND		0.0049
Tetrachloroethene	2.00	5.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	0.00054	J	0.0056	ND		0.0049
1,1,1,2-Tetrachloroethane	1.00	3.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Toluene	6300	91000	0.0026		0.0014	0.0042		0.0015	0.00026	J	0.001	0.0034		0.0015	0.0071		0.0014	0.0058		0.0011	0.00057	J	0.00099
1,2,4-Trichlorobenzene	73.0	820	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
1,1,1-Trichloroethane	290	4200	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
1,1,2-Trichloroethane	2.00	6.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Trichloroethene	7.00	20.0	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	0.00074		0.0072	0.00095	J	0.0056	ND		0.0049
Vinyl Chloride	0.700	2.00	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	0.0030	J	0.0056	ND		0.0049
m,p-Xylene	12000	170000	0.0036		0.0014	0.00083	J	0.0015	ND		0.001	0.0020		0.0015	0.0013	J	0.0014	0.0061		0.0011	0.0021		0.00099
o-Xylene	12000	170000	0.0034		0.0014	0.00084	J	0.0015	ND		0.001	0.0030		0.0015	0.00075	J	0.0014	0.0063		0.0011	0.0016		0.00099

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-42(4.5-5.0)			SJPC-43(5.0-5.5)			SJPC-44(3.5-4.0)			SJPC-45(3.5-4.0)			SJPC-46(4.0-4.5)			SJPC-47(3.5-4.0)			SJPC-48(3.5-4.0)		
LAB ID:			JB18136-2			JB18136-3R			JB18136-4			JB18136-5			JB18136-6R			JB18136-7			JB17673-1		
COLLECTION DATE:			10/2/2012			10/2/2012			10/2/2012			10/2/2012			10/2/2012			10/2/2012			9/27/2012		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG		
<i>Volatile Organic Compounds (VOCs)</i>			CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL
Xylenes	12000	170000	0.0071		0.0014	0.0017		0.0015	ND		0.001	0.0050		0.0015	0.002		0.0014	0.0123		0.0011	0.0037		0.00099
Bromochloromethane	NA	NA	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Cyclohexane	NA	NA	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Dichlorodifluoromethane	230000	490	ND		0.0068	ND		0.0073	0.0015	J	0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
1,4-Dioxane	NA	NA	ND	J	0.17	ND		0.18	ND		0.13	ND	J	0.18	ND		0.18	ND	J	0.14	ND		0.12
Freon 113	NA	NA	ND	J	0.0068	ND		0.0073	ND		0.0052	ND	J	0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Isopropylbenzene	NA	NA	0.00075	J	0.0068	ND		0.0073	ND		0.0052	0.00057	J	0.0073	0.0013	J	0.0072	0.0011	J	0.0056	0.0070		0.0049
Methyl Acetate	NA	78000	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	1.25	J	0.48	ND		0.0049
Methyl Tert Butyl Ether	320	110	0.0018		0.0014	ND		0.0015	0.00067	J	0.001	0.0014	J	0.0015	0.00076	J	0.0014	ND		0.0011	0.00034	J	0.00099
Methylcyclohexane	NA	NA	ND		0.0068	ND		0.0073	ND		0.0052	0.00099	J	0.0073	ND		0.0072	0.00056	J	0.0056	ND		0.0049
1,2,3-Trichlorobenzene	NA	NA	ND		0.0068	ND		0.0073	ND		0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND		0.0049
Trichlorofluoromethane	340000	23000	ND	J	0.0068	ND		0.0073	0.00073	J	0.0052	ND		0.0073	ND		0.0072	ND		0.0056	ND	J	0.0049
TOTAL TARGETED GC/MS Volatiles	NA	NA	0.1379			NA			0.12198			0.15388			NA			1.37115			0.05743		
Total TIC, Volatile	NA	NA	0.011	J		0.024	J		0.0093	J		0.0188	J		0.026	J		0.0319	J		0.0049	J	
<i>Semivolatile Organic Compounds (SVOCs)</i>						NA																	
Acenaphthene	3400	37000	ND	J	0.14	11.2		1.7	ND		0.032	0.923		0.037	0.262		0.042	0.159	J	0.032	0.0697		0.038
Acenaphthylene	NA	300000	ND	J	0.14	1.97		0.042	ND		0.032	0.556		0.037	0.105		0.042	0.0896	J	0.032	ND		0.038
Anthracene	17000	30000	ND	J	0.14	29.1		1.7	0.0550		0.032	1.85		0.037	0.704		0.042	0.443	J	0.032	0.178		0.038
Benzo[a]anthracene	0.600	2.00	0.0586	J	0.14	39.1		1.7	0.128		0.032	4.92		0.37	1.43		0.042	1.16	J	0.032	0.549		0.038
Benzo[a]pyrene	0.200	0.200	0.0650	J	0.14	27.1		1.7	0.152		0.032	4.55		0.37	1.21		0.042	0.998	J	0.032	0.496		0.038
Benzo[b]fluoranthene	0.600	2.00	0.0650	J	0.14	31.3		1.7	0.146		0.032	3.22		0.37	1.43		0.042	0.872	J	0.032	0.524		0.038
Benzo[g,h,i]perylene	380000	30000	0.0740	J	0.14	13.4		1.7	0.208		0.032	2.05		0.037	0.83		0.042	0.571	J	0.032	0.368		0.038
Benzo[k]fluoranthene	6.00	23.0	ND	J	0.14	16.3		1.7	0.0931		0.032	3.16		0.37	0.791		0.042	0.632	J	0.032	0.327		0.038
bis(2-Chloroethyl)ether	0.400	2.00	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
bis(2-Ethylhexyl)phthalate	35.0	140	ND	J	0.27	3.38		0.084	0.441		0.065	25.4		0.74	12.1		0.34	51.3	J	2.6	1.12		0.077
Butylbenzylphthalate	1200	14000	ND	J	0.27	1.05		0.084	0.159		0.065	0.877		0.074	7.98		0.34	0.782	J	0.064	0.125		0.077
Carbazole	24.0	96.0	ND	J	0.27	9.37		3.3	0.0297	J	0.065	0.639		0.074	0.277		0.084	0.0781	J	0.064	0.155		0.077
4-Chloroaniline	NA	NA	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
4-Chloro-3-methylphenol	NA	NA	NA			NA			NA			NA			NA			NA			NA		
2-Chloronaphthalene	NA	NA	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
2-Chlorophenol	310	2200	NA			NA			NA			NA			NA			NA			NA		
Chrysene	62.0	230	0.186		0.14	38.3		1.7	0.174		0.032	5.49		0.37	1.68		0.042	1.39	J	0.032	0.701		0.038
Dibenzo[a,h]anthracene	0.200	0.200	ND	J	0.14	NA			0.0195	J	0.032	0.933		0.037	0.271		0.042	0.174	J	0.032	0.122		0.038
3,3-Dichlorobenzidine	1.00	4.00	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
2,4-Dichlorophenol	180	2100	NA			NA			NA			NA			NA			NA			NA		
Diethylphthalate	49000	550000	ND	J	0.27	ND		0.84	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
2,4-Dimethylphenol	1200	14000	NA			NA			NA			NA			NA			NA			NA		
Dimethylphthalate	NA	NA	ND	J	0.27	ND		0.84	0.0640	J	0.065	0.0964		0.074	0.114		0.084	0.224	J	0.064	0.0984		0.077
Di-n-butylphthalate	6100	68000	ND	J	0.27	ND		0.84	0.0349	J	0.065	0.179		0.074	0.528		0.084	0.263	J	0.064	ND		0.077
Di-n-octylphthalate	2400	27000	ND	J	0.27	ND		0.84	ND		0.065	ND		0.074	0.722		0.084	ND	J	0.064	ND		0.077
2,4-Dinitrophenol	120	1400	NA			NA			NA			NA			NA			NA			NA		
2,4-Dinitrotoluene	0.700	3.00	ND	J	0.27	ND		0.84	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
2,6-Dinitrotoluene	0.700	3.00	ND	J	0.27	ND		0.84	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077

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Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			SJPC-42(4.5-5.0)			SJPC-43(5.0-5.5)			SJPC-44(3.5-4.0)			SJPC-45(3.5-4.0)			SJPC-46(4.0-4.5)			SJPC-47(3.5-4.0)			SJPC-48(3.5-4.0)		
LAB ID:			JB18136-2			JB18136-3R			JB18136-4			JB18136-5			JB18136-6R			JB18136-7			JB17673-1		
COLLECTION DATE:			10/2/2012			10/2/2012			10/2/2012			10/2/2012			10/2/2012			9/27/2012					
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG					
<i>Semivolatile Organic Compounds (SVOCs)</i>			CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL
Fluoranthene	2300	24000	ND	J	0.14	93.1		1.7	0.513		0.032	9.67		0.37	3.37		0.042	2.34	J	0.032	1.52		0.038
Fluorene	2300	24000	ND	J	0.14	17.6		1.7	0.0275	J	0.032	1.29		0.037	0.521		0.042	0.185	J	0.032	0.128		0.038
Hexachlorobenzene	0.300	1.00	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
Hexachlorocyclopentadiene	45.0	110	ND	J	1.4	ND		0.42	ND		0.32	ND		0.37	ND		0.42	ND	J	0.32	ND		0.38
Hexachloroethane	35.0	140	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
Indeno[1,2,3-c,d]pyrene	0.600	2.00	ND	J	0.14	13.8			0.115		0.032	1.78		0.037	0.754		0.042	0.452	J	0.032	0.309		0.038
Isophorone	510	2000	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
2-Methyl-4,6-Dinitrophenol	6.00	68.0	NA			NA			NA			NA			NA			NA			NA		
2-Methylnaphthalene	230	2400	ND	J	0.27	3.33		0.084	0.0215	J	0.065	0.835		0.074	0.4		0.084	0.160	J	0.064	0.0790		0.077
2-Methylphenol	310	3400	NA			NA			NA			NA			NA			NA			NA		
4-Methylphenol	31.0	340	NA			NA			NA			NA			NA			NA			NA		
Naphthalene	6.00	17.0	ND	J	0.14	2.61		0.042	0.0606		0.032	0.849		0.037	0.324		0.042	0.126	J	0.032	0.0767		0.038
2-Nitroaniline	39.0	23000	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
Nitrobenzene	31.0	340	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
N-Nitrosodiphenylamine	99.0	390	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
N-Nitroso-di-n-propylamine	0.200	0.300	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
Pentachlorophenol	3.00	10.0	NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	NA	300000	0.0973	J	0.14	122		1.7	0.237		0.032	10.4		0.37	2.73		0.042	1.43	J	0.032	1.08		0.038
Phenol	18000	210000	NA			NA			NA			NA			NA			NA			NA		
Pyrene	1700	18000	0.0664	J	0.14	67.8		1.7	0.362		0.032	10.8		0.37	3.15		0.042	2.13	J	0.032	1.42		0.038
2,4,5-Trichlorophenol	6100	68000	NA			NA			NA			NA			NA			NA			NA		
2,4,6-Trichlorophenol	19.0	74.0	NA			NA			NA			NA			NA			NA			NA		
Acetophenone	5	2	ND	J	0.68	ND		0.21	ND		0.16	0.0992	J	0.18	ND		0.21	ND	J	0.16	ND		0.19
Atrazine	2400	210	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
Benzaldehyde	68000	6100	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
1,1'-Biphenyl	34000	3100	ND	J	0.27	1.25		0.084	ND		0.065	0.187		0.074	0.112		0.084	0.0332	J	0.064	0.0225	J	0.077
4-Bromophenyl phenyl ether	NA	NA	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
Caprolactam	340000	31000	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
bis(2-Chloroethoxy)methane	NA	NA	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
4-Chlorophenyl phenyl ether	NA	NA	ND	J	0.27	ND		0.084	ND		0.065	ND		0.074	ND		0.084	ND	J	0.064	ND		0.077
Dibenzofuran	NA	NA	ND	J	0.27	10.8		3.3	ND		0.065	0.402		0.074	0.225		0.084	0.0762	J	0.064	0.0426	J	0.077
Hexachlorobutadiene	25	6	ND	J	0.14	ND		0.042	ND		0.032	ND		0.037	ND		0.042	ND	J	0.032	ND		0.038
3-Nitroaniline	NA	NA	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
4-Nitroaniline	NA	NA	ND	J	0.68	ND		0.21	ND	J	0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
1,2,4,5-Tetrachlorobenzene	NA	NA	ND	J	0.68	ND		0.21	ND		0.16	ND		0.18	ND		0.21	ND	J	0.16	ND		0.19
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	0.6123			NA			3.0408			91.1556			NA			66.0681			9.5109		
Total TIC, Semi-Volatile	NA	NA	38.02	J		24.56	J		3	J		18.02	J		11.29	J		17.3	J		10.11	J	

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CLIENT ID:			SJPC-42(4.5-5.0)			SJPC-43(5.0-5.5)			SJPC-44(3.5-4.0)			SJPC-45(3.5-4.0)			SJPC-46(4.0-4.5)			SJPC-47(3.5-4.0)			SJPC-48(3.5-4.0)		
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COLLECTION DATE:			10/2/2012			10/2/2012			10/2/2012			10/2/2012			10/2/2012			9/27/2012					
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	MG/KG			MG/KG			MG/KG			MG/KG			MG/KG			MG/KG					
<i>Semivolatile Organic Compounds (SVOCs) by SIM</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acenaphthene	3400	37000	NA			NA			NA			NA			NA			NA			NA		
Acenaphthylene	NA	300000	NA			NA			NA			NA			NA			NA			NA		
Anthracene	17000	30000	NA			NA			NA			NA			NA			NA			NA		
Benzo[a]anthracene	0.600	2.00	NA			NA			NA			NA			NA			NA			NA		
Benzo[a]pyrene	0.200	0.200	NA			NA			NA			NA			NA			NA			NA		
Benzo[b]fluoranthene	0.600	2.00	NA			NA			NA			NA			NA			NA			NA		
Benzo[g,h,i]perylene	380000	30000	NA			NA			NA			NA			NA			NA			NA		
Benzo[k]fluoranthene	6.00	23.0	NA			NA			NA			NA			NA			NA			NA		
Chrysene	62.0	230	NA			NA			NA			NA			NA			NA			NA		
Dibenzo[a,h]anthracene	0.200	0.200	NA			NA			NA			NA			NA			NA			NA		
Fluoranthene	2300	24000	NA			NA			NA			NA			NA			NA			NA		
Fluorene	2300	24000	NA			NA			NA			NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	0.600	2.00	NA			NA			NA			NA			NA			NA			NA		
Naphthalene	6.00	17.0	NA			NA			NA			NA			NA			NA			NA		
Phenanthrene	NA	300000	NA			NA			NA			NA			NA			NA			NA		
Pyrene	1700	18000	NA			NA			NA			NA			NA			NA			NA		
<b>Inorganics</b>																							
Aluminum	78000	NA	9850	53		13800	67		14000	54		15700	63		6600	68		9850	54		6460	59	
Antimony	31.0	450	5.7	2.1		123	2.7		<6.5	6.5		261	13		17.1	2.7		26.8	4.3		38.4	2.4	
Arsenic	19.0	19.0	6.7	2.1		25.2 <sup>a</sup>	13		8.7	6.5		51.8	13		15.7	2.7		9.9	4.3		13.4	2.4	
Barium	16000	59000	193	21		284	27		150	22		6230	130		188	27		427	22		253	24	
Beryllium	16.0	140	1.1	0.21		<1.3 <sup>a</sup>	1.3		1.0	0.65		1.7	1.3		0.7	0.27		0.86	0.43		0.97	0.24	
Cadmium	78.0	78.0	3.4	0.53		9.3 <sup>a</sup>	3.4		3.6	1.6		25.1	3.1		4.1	0.68		4.6	1.1		4.5	0.59	
Calcium	NA	NA	39400	530		30700	670		27000	540		25600	630		53600	680		36200	540		13800	590	
Chromium	NA	NA	56.9	1.1		171 <sup>a</sup>	6.7		100	3.2		1160	6.3		152	1.4		184	2.2		76.9	1.2	
Cobalt	1600	590	6.5	5.3		<34 <sup>a</sup>	34		<16	16		<31	31		8.6	6.8		9.8	5.4		<5.9	5.9	
Copper	3100	45000	93.1	2.7		553 <sup>a</sup>	17		221	8.1		664	16		792	3.4		1600	5.4		98.4	2.9	
Iron	NA	NA	24600	53		100000	340		105000	160		198000	310		57900	140		66300	110		29400	59	
Lead	400	800	202	2.1		1120 <sup>a</sup>	13		418	6.5		23500	50		732	2.7		515	4.3		385	2.4	
Magnesium	NA	NA	13900	530		7880	670		7620	540		4970	630		29500	680		10100	540		5060	590	
Manganese	11000	5900	571	1.6		1250 <sup>a</sup>	10		373	1.6		2210	9.4		951	2		837	1.6		169	1.8	
Mercury	23.0	65.0	0.53	0.033		1.4	0.19		0.74	0.035		8.5	0.71		2.1	0.21		1.1	0.067		0.66	0.033	
Nickel	1600	23000	37.5	4.2		197 <sup>a</sup>	27		86.4	4.3		141	25		172	5.4		113	4.3		29.6	4.7	
Potassium	NA	NA	1770	1100		1510	1300		1350	1100		3720	1300		<1400	1400		2920	1100		4310	1200	
Selenium	390	5700	<2.1	2.1		<13 <sup>a</sup>	13		<6.5	6.5		<13	13		<2.7	2.7		<4.3	4.3		<2.4	2.4	
Silver	390	5700	<0.53	0.53		14.9 <sup>a</sup>	3.4		<1.6	1.6		<3.1	3.1		1.6	0.68		<1.1	1.1		0.67	0.59	
Sodium	NA	NA	<1100	1100		<1300	1300		<1100	1100		10600	1300		<1400	1400		<1100	1100		<1200	1200	
Thallium	5.00	79.0	<1.1	1.1		<6.7 <sup>a</sup>	6.7		<3.2	3.2		<25	25		<1.4	1.4		<2.2	2.2		<1.2	1.2	
Vanadium	78.0	1100	56.3	5.3		76.5	6.7		158	16		70.0	31		33.2	6.8		46.4	11		28.9	5.9	
Zinc	23000	110000	585	2.1		20200	13		1000	2.2		12900	13		1090	2.7		888	2.2		828	2.4	
<b>General Chemistry</b>																							
Cyanide	1600	23000	0.76	0.26		0.42 <sup>b</sup>			<0.27	0.27		1.4	0.28		0.38 <sup>b</sup>			<0.25	0.25		0.53	0.26	
Solids, Percent (%)			89.7			78.3			88.0			83.1			75.4			93.0			85.8		

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South Jersey Port  
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CLIENT ID:			FB101811			FB101911			Trip Blank			FB102011			TRIP BLANK			FB_092712			FB			TB		
LAB ID:			9932971024			9932971025			9932971026			9933547025			9933547024			JB17673-2			JB18136-8			JB18136-9		
COLLECTION DATE:			10/18/2011			10/19/2011			10/19/2011			10/20/2011			10/21/2011			9/27/2012			10/2/2012			10/2/2012		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	UG/L			UG/L			UG/L			UG/L			UG/L			UG/L			UG/L			UG/L		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL
Acetone	70000	NA	ND	U	3.1	ND	U	3.1	ND	U	3.1	ND	U	3.1	ND	U	3.1	ND		10	ND	R	10	ND	R	10
Benzene	2.00	5.00	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND		1	ND		1	ND		1
Bromodichloromethane (THM)b	1.00	3.00	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND	U	0.27	ND		1	ND		1	ND		1
Bromoform (THM)b	81.0	280	ND	U	0.4	ND	U	0.4	ND	U	0.4	ND	U	0.4	ND	U	0.4	ND		4	ND		4	ND		4
Bromomethane	25.0	59.0	ND	U	0.39	ND	U	0.39	ND	U	0.39	ND	U	0.39	ND	U	0.39	ND		2	ND		2	ND		2
2-Butanone (Methyl Ethyl Ketone)	3100	44000	ND	U	1.8	ND	U	1.8	ND	U	1.8	ND	U	1.8	ND	U	1.8	ND		10	ND	R	10	ND	R	10
Carbon Disulfide	7800	110000	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND		2	ND		2	ND		2
Carbon Tetrachloride	0.600	2.00	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND		1	ND		1	ND		1
Chlorobenzene	510	7400	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND	U	0.19	ND		1	ND		1	ND		1
Chloroethane	220	1100	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND		1	ND		1	ND		1
Chloroform (THM)b	0.600	2.00	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND	U	0.21	ND		1	ND		1	ND		1
Chloromethane	4.00	12.0	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND		1	ND		1	ND		1
Dibromochloromethane (THM)b	3.00	8.00	ND	U	0.45	ND	U	0.45	ND	U	0.45	ND	U	0.45	ND	U	0.45	ND		1	ND		1	ND		1
Dibromochloropropane (DBCP)	0.080	0.200	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND		10	ND		10	ND		10
1,2-Dibromoethane (Ethylene Dibromide, EDB)	0.008	0.040	ND	U	0.28	ND	U	0.28	ND	U	0.28	ND	U	0.28	ND	U	0.28	ND		2	ND		2	ND		2
1,2-Dichlorobenzene	5300	59000	ND	U	0.39	ND	U	0.38	NA			ND	U	0.38	NA			ND		1	ND		1	ND		1
1,3-Dichlorobenzene	5300	59000	ND	U	0.5	ND	U	0.48	NA			ND	U	0.48	NA			ND		1	ND		1	ND		1
1,4-Dichlorobenzene	5.00	13.0	ND	U	0.67	ND	U	0.64	NA			ND	U	0.64	NA			ND		1	ND		1	ND		1
1,1-Dichloroethane	8.00	24.0	ND	U	0.28	ND	U	0.28	ND	U	0.28	ND	U	0.28	ND	U	0.28	ND		1	ND		1	ND		1
1,2-Dichloroethane	0.900	3.00	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND		1	ND		1	ND		1
1,1-Dichloroethene	11.0	150	ND	U	0.29	ND	U	0.29	ND	U	0.29	ND	U	0.29	ND	U	0.29	ND		1	ND		1	ND		1
cis-1,2-Dichloroethene	230	560	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND	U	0.32	ND		1	ND		1	ND		1
trans-1,2-Dichloroethene	300	720	ND	U	0.26	ND	U	0.26	ND	U	0.26	ND	U	0.26	ND	U	0.26	ND		1	ND		1	ND		1
1,2-Dichloropropane	2.00	5.00	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND		1	ND		1	ND		1
cis-1,3-Dichloropropene	2.00	7.00	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND	U	0.31	ND		1	ND		1	ND		1
trans-1,3-Dichloropropene	2.00	7.00	ND	U	0.29	ND	U	0.29	ND	U	0.29	ND	U	0.29	ND	U	0.29	ND		1	ND		1	ND		1
Ethylbenzene	7800	110000	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND		1	ND		1	ND		1
Hexachlorobutadiene	6.00	25.0	ND	U	0.53	ND	U	0.51	NA			ND	U	0.51	NA			NA			NA			NA		
2-Hexanone	NA	NA	ND	U	1.3	ND	U	1.3	ND	U	1.3	ND	U	1.3	ND	U	1.3	ND		5	ND		5	ND		5
Methylene Chloride (Dichloromethane)	34.0	97.0	ND	U	0.45	ND	U	0.45	ND	U	0.45	ND	U	0.45	ND	U	0.45	ND		2	ND		2	ND		2
4-Methyl-2-pentanone	NA	NA	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND		5	ND		5	ND		5
Styrene	90.0	260	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND	U	0.24	ND		5	ND		5	ND		5
Tetrachloroethene	2.00	5.00	ND	U	0.35	ND	U	0.35	ND	U	0.35	ND	U	0.35	ND	U	0.35	ND		1	ND		1	ND		1
1,1,1,2-Tetrachloroethane	1.00	3.00	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND	U	0.34	ND		1	ND		1	ND		1
Toluene	6300	91000	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND	U	0.23	ND		1	ND		1	ND		1
1,2,4-Trichlorobenzene	73.0	820	ND	U	0.68	ND	U	0.65	NA			ND	U	0.65	NA			ND		5	ND	J	5	ND	J	5
1,1,1-Trichloroethane	290	4200	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND	U	0.22	ND		1	ND		1	ND		1
1,1,2-Trichloroethane	2.00	6.00	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND		1	ND		1	ND		1
Trichloroethene	7.00	20.0	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND	U	0.33	ND		1	ND		1	ND		1
Vinyl Chloride	0.700	2.00	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND		1	ND		1	ND		1
m,p-Xylene	12000	170000	NA			NA			NA			NA			NA			ND		1	ND		1	ND		1
o-Xylene	12000	170000	NA			NA			NA			NA			NA			ND		1	ND		1	ND		1

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COLLECTION DATE:			10/18/2011			10/19/2011			10/19/2011			10/20/2011			10/21/2011			9/27/2012			10/2/2012			10/2/2012		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	UG/L			UG/L			UG/L			UG/L			UG/L			UG/L			UG/L			UG/L		
<i>Volatile Organic Compounds (VOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL
Xylenes	12000	170000	ND	U	0.66	ND	U	0.66	ND	U	0.66	ND	U	0.66	ND	U	0.66	ND	U	0.66	ND	U	0.66	ND	U	0.66
Bromochloromethane	NA	NA	NA			NA			NA			NA			NA			ND			5			5		
Cyclohexane	NA	NA	NA			NA			NA			NA			NA			ND			5			5		
Dichlorodifluoromethane	230000	490	NA			NA			NA			NA			NA			ND			5			5		
1,4-Dioxane	NA	NA	NA			NA			NA			NA			NA			ND			130			130		
Freon 113	NA	NA	NA			NA			NA			NA			NA			ND			5			5		
Isopropylbenzene	NA	NA	NA			NA			NA			NA			NA			ND			2			2		
Methyl Acetate	NA	78000	NA			NA			NA			NA			NA			ND			5			5		
Methyl Tert Butyl Ether	320	110	NA			NA			NA			NA			NA			ND			1			1		
Methylcyclohexane	NA	NA	NA			NA			NA			NA			NA			ND			5			5		
1,2,3-Trichlorobenzene	NA	NA	NA			NA			NA			NA			NA			ND			5			5		
Trichlorofluoromethane	340000	23000	NA			NA			NA			NA			NA			ND			5			5		
TOTAL TARGETED GC/MS Volatiles	NA	NA	NA			NA			NA			NA			NA			0			0			0		
Total TIC, Volatile	NA	NA	NA			NA			NA			NA			NA			0			0			0		
<i>Semivolatile Organic Compounds (SVOCs)</i>																										
Acenaphthene	3400	37000	ND	U	0.54	ND	U	0.52	NA			ND	U	0.52	NA			ND			1			1.1		
Acenaphthylene	NA	300000	ND	U	0.36	ND	U	0.35	NA			ND	U	0.35	NA			ND			1			1.1		
Anthracene	17000	30000	ND	U	0.47	ND	U	0.45	NA			ND	U	0.45	NA			ND			1			1.1		
Benzo[a]anthracene	0.600	2.00	ND	U	0.34	ND	U	0.33	NA			ND	U	0.33	NA			ND			5			5.3		
Benzo[a]pyrene	0.200	0.200	ND	U	0.35	ND	U	0.34	NA			ND	U	0.34	NA			ND			1			1.1		
Benzo[b]fluoranthene	0.600	2.00	ND	U	0.36	ND	U	0.35	NA			ND	U	0.35	NA			ND			1			1.1		
Benzo[g,h,i]perylene	380000	30000	ND	U	0.46	ND	U	0.44	NA			ND	U	0.44	NA			ND			1			1.1		
Benzo[k]fluoranthene	6.00	23.0	ND	U	0.4	ND	U	0.39	NA			ND	U	0.39	NA			ND			1			1.1		
bis(2-Chloroethyl)ether	0.400	2.00	ND	U	0.53	ND	U	0.51	NA			ND	U	0.51	NA			ND			2			2.1		
Bis(2-Chloroisopropyl)ether	23.0	67.0	ND	U	0.66	ND	U	0.63	NA			ND	U	0.63	NA			ND			2			2.1		
bis(2-Ethylhexyl)phthalate	35.0	140	ND	U	0.62	ND	U	0.59	NA			ND	U	0.59	NA			ND			2			2.1		
Butylbenzylphthalate	1200	14000	ND	U	0.5	ND	U	0.48	NA			ND	U	0.48	NA			ND			2			2.1		
Carbazole	24.0	96.0	ND	U	0.32	ND	U	0.31	NA			ND	U	0.31	NA			ND			1			1.1		
4-Chloroaniline	NA	NA	ND	U	0.96	ND	U	0.92	NA			ND	U	0.92	NA			ND			5			5.3		
4-Chloro-3-methylphenol	NA	NA	ND	U	1	ND	U	0.96	NA			ND	U	0.96	NA			NA						NA		
2-Chloronaphthalene	NA	NA	ND	U	0.41	ND	U	0.4	NA			ND	U	0.4	NA			ND			2			2.1		
2-Chlorophenol	310	2200	ND	U	0.89	ND	U	0.86	NA			ND	U	0.86	NA			NA						NA		
Chrysene	62.0	230	ND	U	0.35	ND	U	0.34	NA			ND	U	0.34	NA			ND			1			1.1		
Dibenzo[a,h]anthracene	0.200	0.200	ND	U	1	ND	U	0.96	NA			ND	U	0.96	NA			ND			1			1.1		
3,3-Dichlorobenzidine	1.00	4.00	ND	U	2.9	ND	U	2.8	NA			ND	U	2.8	NA			ND			5			5.3		
2,4-Dichlorophenol	180	2100	ND	U	0.65	ND	U	0.62	NA			ND	U	0.62	NA			NA						NA		
Diethylphthalate	49000	550000	ND	U	0.35	ND	U	0.34	NA			ND	U	0.34	NA			ND			2			2.1		
2,4-Dimethylphenol	1200	14000	ND	U	2.2	ND	U	2.1	NA			ND	U	2.1	NA			NA						NA		
Dimethylphthalate	NA	NA	ND	U	0.57	ND	U	0.55	NA			ND	U	0.55	NA			2.5			2			2.1		
Di-n-butylphthalate	6100	68000	ND	U	0.47	ND	U	0.45	NA			ND	U	0.45	NA			ND			2			2.1		
Di-n-octylphthalate	2400	27000	ND	U	0.6	ND	U	0.57	NA			ND	U	0.57	NA			ND			2			2.1		
2,4-Dinitrophenol	120	1400	ND	U	3.8	ND	U	3.7	NA			ND	U	3.7	NA			NA						NA		
2,4-Dinitrotoluene	0.700	3.00	ND	U	0.41	ND	U	0.4	NA			ND	U	0.4	NA			ND			2			2.1		
2,6-Dinitrotoluene	0.700	3.00	ND	U	0.37	ND	U	0.36	NA			ND	U	0.36	NA			ND			2			2.1		

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<i>Semivolatile Organic Compounds (SVOCs)</i>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	CONC	Q	RDL	CONC	Q	RDL	CONC	Q	RDL
Fluoranthene	2300	24000	ND	U	0.37	ND	U	0.36	NA			ND	U	0.36	NA			ND		1	ND		1.1	NA		
Fluorene	2300	24000	ND	U	0.43	ND	U	0.41	NA			ND	U	0.41	NA			ND		1	ND		1.1	NA		
Hexachlorobenzene	0.300	1.00	ND	U	0.57	ND	U	0.55	NA			ND	U	0.55	NA			ND		1	ND		1.1	NA		
Hexachlorocyclopentadiene	45.0	110	ND	U	1.3	ND	U	1.2	NA			ND	U	1.2	NA			ND		10	ND		11	NA		
Hexachloroethane	35.0	140	ND	U	0.93	ND	U	0.89	NA			ND	U	0.89	NA			ND		2	ND		2.1	NA		
Indeno[1,2,3-c,d]pyrene	0.600	2.00	ND	U	0.28	ND	U	0.27	NA			ND	U	0.27	NA			ND		1	ND		1.1	NA		
Isophorone	510	2000	ND	U	0.65	ND	U	0.62	NA			ND	U	0.62	NA			ND		2	ND		2.1	NA		
2-Methyl-4,6-Dinitrophenol	6.00	68.0	ND	U	2.6	ND	U	2.4	NA			ND	U	2.4	NA			NA								
2-Methylnaphthalene	230	2400	ND	U	1	ND	U	0.97	NA			ND	U	0.97	NA			ND		1	ND		1.1	NA		
2-Methylphenol	310	3400	ND	U	0.52	ND	U	0.5	NA			ND	U	0.5	NA			NA								
4-Methylphenol	31.0	340	ND	U	0.54	ND	U	0.52	NA			ND	U	0.52	NA			NA								
Naphthalene	6.00	17.0	ND	U	0.49	ND	U	0.47	NA			ND	U	0.47	NA			ND		1	ND		1.1	NA		
2-Nitroaniline	39.0	23000	ND	U	0.37	ND	U	0.36	NA			ND	U	0.36	NA			ND		5	ND		5.3	NA		
Nitrobenzene	31.0	340	ND	U	0.73	ND	U	0.7	NA			ND	U	0.7	NA			ND		2	ND		2.1	NA		
N-Nitrosodiphenylamine	99.0	390	ND	U	0.88	ND	U	0.85	NA			ND	U	0.85	NA			ND		5	ND		5.3	NA		
N-Nitroso-di-n-propylamine	0.200	0.300	ND	U	0.6	ND	U	0.57	NA			ND	U	0.57	NA			ND		2	ND		2.1	NA		
Pentachlorophenol	3.00	10.0	ND	U	2.8	ND	U	2.7	NA			ND	U	2.7	NA			NA								
Phenanthrene	NA	300000	ND	U	0.35	ND	U	0.34	NA			ND	U	0.34	NA			ND		1	ND		1.1	NA		
Phenol	18000	210000	ND	U	0.77	ND	U	0.73	NA			ND	U	0.73	NA			NA								
Pyrene	1700	18000	ND	U	0.54	ND	U	0.52	NA			ND	U	0.52	NA			ND		1	ND		1.1	NA		
2,4,5-Trichlorophenol	6100	68000	ND	U	1.9	ND	U	1.8	NA			ND	U	1.8	NA			NA								
2,4,6-Trichlorophenol	19.0	74.0	ND	U	0.59	ND	U	0.56	NA			ND	U	0.56	NA			NA								
Acetophenone	5	2	NA			NA			NA			NA			NA			ND		2	ND		2.1	NA		
Atrazine	2400	210	NA			NA			NA			NA			NA			ND		5	ND		5.3	NA		
Benzaldehyde	68000	6100	NA			NA			NA			NA			NA			ND		1	ND		1.1	NA		
1,1'-Biphenyl	34000	3100	NA			NA			NA			NA			NA			ND		2	ND		2.1	NA		
4-Bromophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			ND		1	ND		1.1	NA		
Caprolactam	340000	31000	NA			NA			NA			NA			NA			ND		2	ND		2.1	NA		
bis(2-Chloroethoxy)methane	NA	NA	NA			NA			NA			NA			NA			ND		2	ND		2.1	NA		
4-Chlorophenyl phenyl ether	NA	NA	NA			NA			NA			NA			NA			ND		2	ND		2.1	NA		
Dibenzofuran	NA	NA	NA			NA			NA			NA			NA			ND		5	ND		5.3	NA		
Hexachlorobutadiene	25	6	NA			NA			NA			NA			NA			ND		1	ND		1.1	NA		
3-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			ND		5	ND		5.3	NA		
4-Nitroaniline	NA	NA	NA			NA			NA			NA			NA			ND		5	ND		5.3	NA		
1,2,4,5-Tetrachlorobenzene	NA	NA	NA			NA			NA			NA			NA			ND		2	ND		2.1	NA		
TOTAL TARGETED GC/MS Semi-volatiles	NA	NA	NA			NA			NA			NA			NA			2.5					0			0
Total TIC, Semi-Volatile	NA	NA	NA			NA			NA			NA			NA			0					0			NA

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - 2011 and 2012  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

CLIENT ID:			FB101811			FB101911			Trip Blank			FB102011			TRIP BLANK			FB_092712			FB			TB		
LAB ID:			9932971024			9932971025			9932971026			9933547025			9933547024			JB17673-2			JB18136-8			JB18136-9		
COLLECTION DATE:			10/18/2011			10/19/2011			10/19/2011			10/20/2011			10/21/2011			9/27/2012			10/2/2012			10/2/2012		
SAMPLE UNITS:	RDCSRS (MG/KG)	NRDCSRS (MG/KG)	UG/L			UG/L			UG/L			UG/L			UG/L			UG/L			UG/L			UG/L		
<b>Semivolatile Organic Compounds (SVOCs) by SIM</b>			Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Acenaphthene	3400	37000	ND	U	0.011	ND	U	0.01	NA			ND	U	0.01	NA			NA			NA			NA		
Acenaphthylene	NA	300000	ND	U	0.011	ND	U	0.01	NA			ND	U	0.01	NA			NA			NA			NA		
Anthracene	17000	30000	ND	U	0.011	ND	U	0.01	NA			ND	U	0.01	NA			NA			NA			NA		
Benzo[a]anthracene	0.600	2.00	ND	U	0.028	ND	U	0.027	NA			ND	U	0.027	NA			NA			NA			NA		
Benzo[a]pyrene	0.200	0.200	ND	U	0.034	ND	U	0.033	NA			ND	U	0.033	NA			NA			NA			NA		
Benzo[b]fluoranthene	0.600	2.00	ND	U	0.031	ND	U	0.03	NA			ND	U	0.03	NA			NA			NA			NA		
Benzo[g,h,i]perylene	380000	30000	ND	U	0.024	ND	U	0.023	NA			ND	U	0.023	NA			NA			NA			NA		
Benzo[k]fluoranthene	6.00	23.0	ND	U	0.024	ND	U	0.023	NA			ND	U	0.023	NA			NA			NA			NA		
Chrysene	62.0	230	ND	U	0.026	ND	U	0.024	NA			ND	U	0.024	NA			NA			NA			NA		
Dibenzo[a,h]anthracene	0.200	0.200	ND	U	0.012	ND	U	0.011	NA			ND	U	0.011	NA			NA			NA			NA		
Fluoranthene	2300	24000	ND	U	0.019	ND	U	0.018	NA			ND	U	0.018	NA			NA			NA			NA		
Fluorene	2300	24000	ND	U	0.011	ND	U	0.01	NA			ND	U	0.01	NA			NA			NA			NA		
Indeno[1,2,3-c,d]pyrene	0.600	2.00	ND	U	0.021	ND	U	0.02	NA			ND	U	0.02	NA			NA			NA			NA		
Naphthalene	6.00	17.0	0.051	J	0.011	0.065	J	0.01	NA			0.054	J	0.01	NA			NA			NA			NA		
Phenanthrene	NA	300000	ND	U	0.011	ND	U	0.01	NA			ND	U	0.01	NA			NA			NA			NA		
Pyrene	1700	18000	ND	U	0.016	ND	U	0.015	NA			ND	U	0.015	NA			NA			NA			NA		
<b>Inorganics</b>																										
Aluminum	78000	NA	ND	U	30	49	J	30	NA			ND	U	30	NA			<200		200	<200		200	NA		
Antimony	31.0	450	ND	U	0.74	ND	U	0.74	NA			ND	U	0.74	NA			<6.0		6	<6.0		6	NA		
Arsenic	19.0	19.0	ND	U	1	ND	U	1	NA			ND	U	1	NA			<3.0		3	<3.0		3	NA		
Barium	16000	59000	2.2	J	1.9	2.2	J	1.9	NA			2.5	J	1.9	NA			<200		200	<200		200	NA		
Beryllium	16.0	140	ND	U	0.3	ND	U	0.3	NA			ND	U	0.3	NA			<1.0		1	<1.0		1	NA		
Cadmium	78.0	78.0	ND	U	0.37	ND	U	0.37	NA			ND	U	0.37	NA			<3.0		3	<3.0		3	NA		
Calcium	NA	NA	NA			NA			NA			NA			NA			<5000		5000	<5000		5000	NA		
Chromium	NA	NA	ND	U	0.74	ND	U	0.74	NA			ND	U	0.74	NA			<10		10	<10		10	NA		
Cobalt	1600	590	ND	U	1.9	ND	U	1.9	NA			ND	U	1.9	NA			<50		50	<50		50	NA		
Copper	3100	45000	ND	U	1.9	ND	U	1.9	NA			ND	U	1.9	NA			<10		10	<10		10	NA		
Iron	NA	NA	ND	U	19	ND	U	19	NA			ND	U	19	NA			<100		100	<100		100	NA		
Lead	400	800	ND	U	0.74	ND	U	0.74	NA			ND	U	0.74	NA			<3.0		3	<3.0		3	NA		
Magnesium	NA	NA	NA			NA			NA			NA			NA			<5000		5000	<5000		5000	NA		
Manganese	11000	5900	ND	U	1.9	ND	U	1.9	NA			ND	U	1.9	NA			<15		15	<15		15	NA		
Mercury	23.0	65.0	ND	U		ND	U		NA			ND	U	0.17	NA			<0.20		0.2	<0.20		0.2	NA		
Nickel	1600	23000	ND	U	1.9	ND	U	1.9	NA			ND	U	1.9	NA			<10		10	<10		10	NA		
Potassium	NA	NA	NA			NA			NA			NA			NA			<10000		10000	<10000		10000	NA		
Selenium	390	5700	ND	U	1.9	ND	U	1.9	NA			ND	U	1.9	NA			<10		10	<10		10	NA		
Silver	390	5700	ND	U	0.74	ND	U	0.74	NA			ND	U	0.74	NA			<10		10	<10		10	NA		
Sodium	NA	NA	84	J	37	240	J	37	NA			68	J	37	NA			<10000		10000	<10000		10000	NA		
Thallium	5.00	79.0	ND	U	0.3	ND	U	0.3	NA			ND	U	0.3	NA			<2.0		2	<2.0		2	NA		
Vanadium	78.0	1100	ND	U	0.74	ND	U	0.74	NA			ND	U	0.74	NA			<50		50	<50		50	NA		
Zinc	23000	110000	4.2	J	1.9	4	J	1.9	NA			ND	U	1.9	NA			<20		20	<20		20	NA		
<b>General Chemistry</b>																										
Cyanide	1600	23000	ND	U	2.2	ND	U	2.2	NA			ND	U	2.2	NA			<0.010		0.01	<0.010		0.01	NA		
Solids, Percent (%)			NA			NA			NA			NA			NA			NA			NA			NA		

Prepared by: VHL 5/31/2012  
Reviewed by: NAW 6/7/2012

Table 2  
Soil Sampling Results - October 2011  
South Jersey Port  
Former Camden Coke Plant  
Camden, New Jersey

Notes

Concentrations reported in mg/kg

RDCSRS = Residential Direct Contact Soil Remediation Standard (2009)

NRDCSRS = Non Residential Direct Contact Soil Remediation Standard (2009)

B = Analyte detected in method/field blank

U or ND = Analyzed for but Not Detected at MDL

Q = Qualifiers

NA = No standard available / Not Analyzed

J = Estimated concentration

**Exceeds RDCSRS or NRDCSRS**

Table 6B  
Shallow Groundwater Sampling Results - April 2012  
Former Camden Coke Plant - South Jersey Port  
Camden, New Jersey

Client ID	NJDEP	MW-SJPL-1S			MW-SJPC-3S			MW-SJPC-4S			MW-SJPC-5S		
Lab Sample ID	GWQC	460-39493-2			460-39447-2			460-39447-3			460-39447-4		
Sampling Date	or IGQC	4/25/2012			4/24/2012			4/24/2012			4/24/2012		
<i>Volatile Organic Compounds (VOCs - ug/l)</i>		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
1,1,1-Trichloroethane	30	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060
1,1,2,2-Tetrachloroethane	1	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
1,1,2-Trichloroethane	3	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
1,1-Dichloroethane	50	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
1,1-Dichloroethene	1	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090
1,2,3-Trichlorobenzene	NA	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51	0.51	U	0.51
1,2,4-Trichlorobenzene	9	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
1,2-Dibromo-3-Chloropropane	0.02†	0.40	U	0.40	0.40	U	0.40	0.40	U	0.40	0.40	U	0.40
1,2-Dibromoethane	0.03†	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
1,2-Dichlorobenzene	600	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21	0.21	U	0.21
1,2-Dichloroethane	2	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
1,2-Dichloropropane	1	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090
1,3-Dichlorobenzene	600	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14
1,4-Dichlorobenzene	75	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
1,4-Dioxane	10	36	U	36	36	U	36	36	U	36	36	U	36
2-Butanone	300	2.3	UR	2.3	2.3	UR	2.3	2.3	UR	2.3	2.3	UR	2.3
2-Hexanone	300*	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
4-Methyl-2-pentanone	NA	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
Acetone	6000	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7
Benzene	1	0.080	U	0.080	0.089	J	0.080	0.080	U	0.080	0.20	J	0.080
Bromochloromethane	NA	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
Bromodichloromethane	1	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
Bromoform	4	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
Bromomethane	10	0.18	U	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.18
Carbon disulfide	700	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
Carbon tetrachloride	1	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060	0.060	U	0.060
Chlorobenzene	50	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11	0.11	U	0.11
Chloroethane	NA	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
Chloroform	70	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080
Chloromethane	NA	0.10	U	0.10	0.10	UJ	0.10	0.10	UJ	0.10	0.10	UJ	0.10
cis-1,2-Dichloroethene	70	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
cis-1,3-Dichloropropene	NA	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Cyclohexane	NA	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16

Table 6B  
 Shallow Groundwater Sampling Results - April 2012  
 Former Camden Coke Plant - South Jersey Port  
 Camden, New Jersey

Client ID	NJDEP	MW-SJPL-1S			MW-SJPC-3S			MW-SJPC-4S			MW-SJPC-5S		
Lab Sample ID	GWQC	460-39493-2			460-39447-2			460-39447-3			460-39447-4		
Sampling Date	or IGQC	4/25/2012			4/24/2012			4/24/2012			4/24/2012		
<b>Volatile Organic Compounds (ug/l)</b>													
Dibromochloromethane	1	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20
Dichlorodifluoromethane	1000	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Ethylbenzene	700	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Freon TF	NA	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080
Isopropylbenzene	700	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080	0.080	U	0.080
Methyl acetate	7000	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
Methylcyclohexane	NA	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14
Methylene Chloride	3	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
MTBE	70	0.14	U	0.14	1.8		0.14	4.1		0.14	0.51	J	0.14
Styrene	100	0.12	U	0.12	0.16	J	0.12	0.12	U	0.12	0.12	U	0.12
Tetrachloroethene	1	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Toluene	600	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	5.1		0.15
trans-1,2-Dichloroethene	100	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
trans-1,3-Dichloropropene	1	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Trichloroethene	1	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090	0.090	U	0.090
Trichlorofluoromethane	2000	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Vinyl chloride	1	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14
Xylenes, Total	1000	0.36	U	0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	0.36
Total Conc	NA	0.0			2.049			4.1			5.81		
Total Estimated Conc. (TICs)	500*	0			13.0	J		61.0	J		20.0	J	
<b>Semivolatile Organic Compounds (SVOCs - ug/l) by SIM</b>													
Benzo[a]anthracene	0.100	0.066		0.036	0.19		0.036	0.036	U	0.036	0.15		0.039
Benzo[a]pyrene	0.100	0.053	*	0.048	0.14		0.048	0.048	U	0.048	0.092		0.053
Benzo[b]fluoranthene	0.200	0.067		0.031	0.23		0.031	0.031	U	0.031	0.12		0.034
Hexachlorobenzene	0.020	0.017	U	0.017	0.017	U	0.017	0.017	U	0.017	0.019	U	0.019
Pentachlorophenol	0.300	0.14	U	0.14	0.14	U	0.14	0.14	U	0.14	0.16	U	0.16
Total Conc	NA	0.186			0.56			0.0			0.362		
Total Estimated Conc. (TICs)	500*	0			0			0			0		
<b>Semivolatile Organic Compounds (SVOCs)</b>													
1,2,4,5-Tetrachlorobenzene	NA	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.9	U	2.9
1,2,4-Trichlorobenzene	9	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.29	U	0.29
1,2-Dichlorobenzene	600	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.8	U	2.8
1,3-Dichlorobenzene	600	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.7	U	2.7
1,4-Dichlorobenzene	75	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.8	U	2.8



Table 6B  
 Shallow Groundwater Sampling Results - April 2012  
 Former Camden Coke Plant - South Jersey Port  
 Camden, New Jersey

Client ID	NJDEP	MW-SJPL-1S			MW-SJPC-3S			MW-SJPC-4S			MW-SJPC-5S		
Lab Sample ID	GWQC	460-39493-2			460-39447-2			460-39447-3			460-39447-4		
Sampling Date	or IGQC	4/25/2012			4/24/2012			4/24/2012			4/24/2012		
Semivolatile Organic Compounds (SVOCs)		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
2,3,4,6-Tetrachlorophenol	200	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.8	U	2.8
2,4,5-Trichlorophenol	700	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.9	U	2.9
2,4,6-Trichlorophenol	20	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.7	U	2.7
2,4-Dichlorophenol	20	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.9	U	2.9
2,4-Dimethylphenol	100	3.5	U	3.5	3.5	U	3.5	3.5	U	3.5	3.8	U	3.8
2,4-Dinitrophenol	40	5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	6.1	U	6.1
2,4-Dinitrotoluene	10	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.53	U	0.53
2,6-Dinitrotoluene	10	0.62	U	0.62	0.62	U	0.62	0.62	U	0.62	0.69	U	0.69
2-Chloronaphthalene	600	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	3.0	U	3.0
2-Chlorophenol	40	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.5	U	2.5
2-Methylnaphthalene	30*	3.1	U	3.1	3.1	U	3.1	3.1	U	3.1	3.4	U	3.4
2-Methylphenol	NA	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	2.0	U	2.0
2-Nitroaniline	NA	5.0	U*	5.0	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5
2-Nitrophenol	NA	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.7	U	2.7
3,3'-Dichlorobenzidine	30	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5
3-Nitroaniline	NA	5.1	U	5.1	5.1	U	5.1	5.1	U	5.1	5.6	U	5.6
4,6-Dinitro-2-methylphenol	1*	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8	5.3	U	5.3
4-Bromophenyl phenyl ether	NA	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.8	U	2.8
4-Chloro-3-methylphenol	100*	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.8	U	2.8
4-Chlorophenyl phenyl ether	NA	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.8	U	2.8
4-Methylphenol	NA	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	16		1.8
4-Nitroaniline	NA	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9	6.5	U	6.5
4-Nitrophenol	NA	6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	7.5	U	7.5
Acenaphthene	400	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	3.0	U	3.0
Acenaphthylene	100*	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	3.0	U	3.0
Anthracene	2000	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	3.1	U	3.1
Benzo[g,h,i]perylene	100*	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.2	U	2.2
Benzo[k]fluoranthene	0.5	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.29	U	0.29
bis (2-chloroisopropyl) ether	300	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.2	U	2.2
Bis(2-chloroethoxy)methane	NA	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	2.9	U	2.9
Bis(2-chloroethyl)ether	7	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.31	U	0.31
Bis(2-ethylhexyl) phthalate	3	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.2	U	2.2
Butyl benzyl phthalate	100	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.8	U	2.8
Carbazole	NA	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	3.6	U	3.6
Chrysene	5	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.5	U	3.5

Table 6B  
Shallow Groundwater Sampling Results - April 2012  
Former Camden Coke Plant - South Jersey Port  
Camden, New Jersey

Client ID	NJDEP	MW-SJPL-1S			MW-SJPC-3S			MW-SJPC-4S			MW-SJPC-5S		
Lab Sample ID	GWQC	460-39493-2			460-39447-2			460-39447-3			460-39447-4		
Sampling Date	or IGQC	4/25/2012			4/24/2012			4/24/2012			4/24/2012		
Semivolatile Organic Compounds (SVOCs)		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dibenz(a,h)anthracene	0.3	0.092	U	0.092	0.092	U	0.092	0.092	U	0.092	0.10	U	0.10
Dibenzofuran	NA	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	3.1	U	3.1
Diethyl phthalate	6000	3.0	U	3.0	3.0	U	3.0	3.0	U	3.0	3.3	U	3.3
Dimethyl phthalate	NA	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	3.1	U	3.1
Di-n-butyl phthalate	700	3.0	U	3.0	3.0	U	3.0	3.0	U	3.0	3.3	U	3.3
Di-n-octyl phthalate	100	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.7	U	1.7
Fluoranthene	300	3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	3.6	U	3.6
Fluorene	300	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	3.1	U	3.1
Hexachlorobutadiene	1	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.64	U	0.64
Hexachlorocyclopentadiene	40	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.9	U	1.9
Hexachloroethane	7	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.28	U	0.28
Indeno[1,2,3-cd]pyrene	0.2	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.17	U	0.17
Isophorone	40	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	3.0	U	3.0
Naphthalene	300	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	3.0	U	3.0
Nitrobenzene	6	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.34	U	0.34
N-Nitrosodi-n-propylamine	10	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.28	U	0.28
N-Nitrosodiphenylamine	10	3.0	U	3.0	3.0	U	3.0	3.0	U	3.0	3.3	U	3.3
Phenanthrene	100*	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	3.5	U	3.5
Phenol	2000	0.83	U	0.83	0.83	U	0.83	0.83	U	0.83	0.91	U	0.91
Pyrene	200	3.0	U	3.0	3.0	U	3.0	3.0	U	3.0	3.3	U	3.3
Total Conc	NA	0.0			0.0			0.0			16.0		
Total Estimated Conc. (TICs)	500*	0			11.0	J		21.0	J		27.0	J	

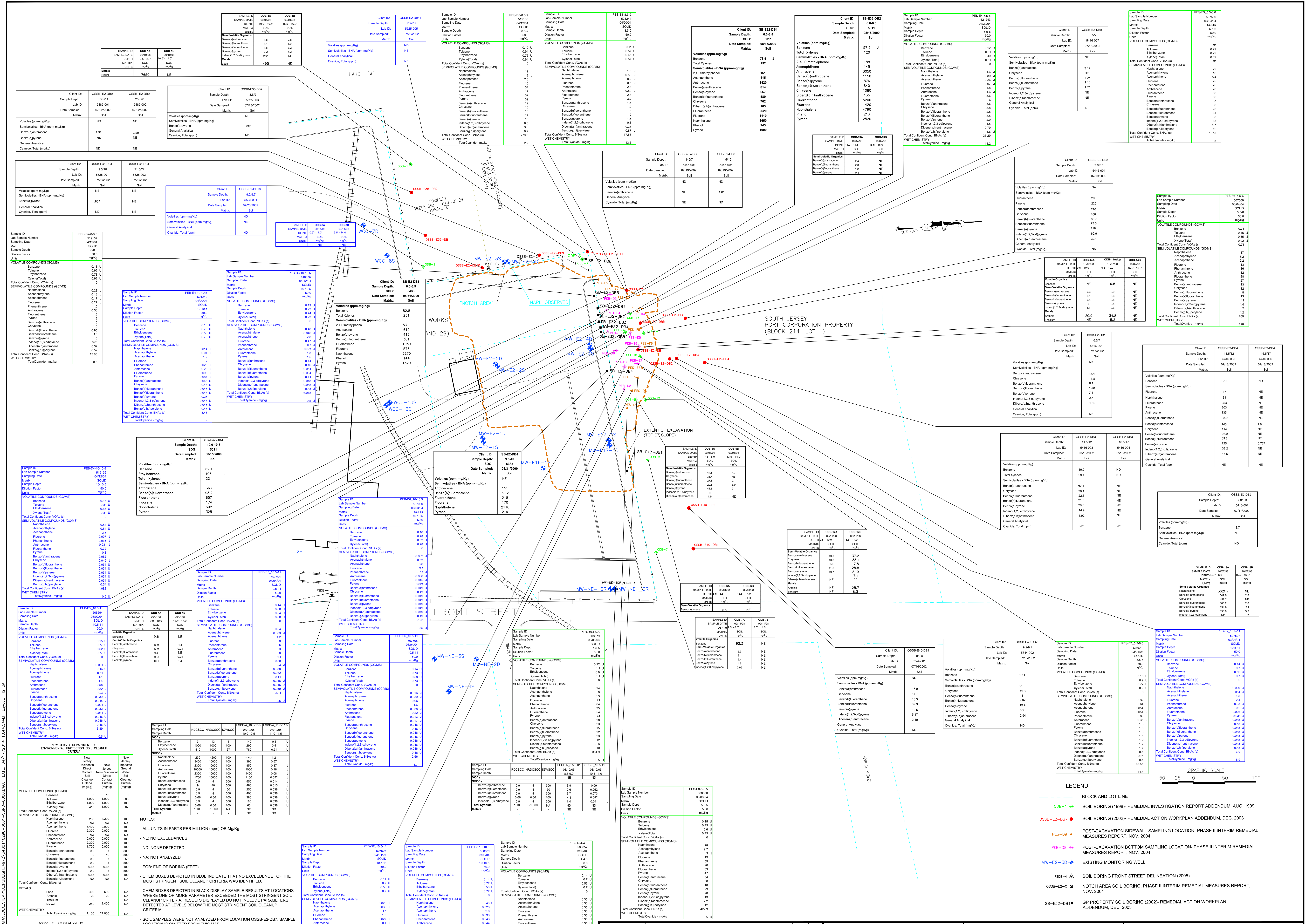
Table 6B  
 Shallow Groundwater Sampling Results - April 2012  
 Former Camden Coke Plant - South Jersey Port  
 Camden, New Jersey

Client ID	NJDEP	MW-SJPL-1S			MW-SJPC-3S			MW-SJPC-4S			MW-SJPC-5S		
Lab Sample ID	GWQC	460-39493-2			460-39447-2			460-39447-3			460-39447-4		
Sampling Date	or IGQC	4/25/2012			4/24/2012			4/24/2012			4/24/2012		
<b>Inorganics</b>													
Aluminum	200	1050		43.8	6800		43.8	646		43.8	10900		43.8
Antimony	6	1.9	U	1.9	1.9	J	1.9	1.9	U	1.9	2.8		1.9
Arsenic	3	2.5		1.8	19.9		1.8	8.6		1.8	37.9		1.8
Barium	6000	66.7		3.8	184		3.8	1120		3.8	450		3.8
Beryllium	1	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80	0.80	U	0.80
Cadmium	4	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0
Calcium	NA	117000		196	556000		196	307000		196	139000		196
Chromium	70	3.9	U	3.9	19.5		3.9	3.9	U	3.9	31.3		3.9
Cobalt	NA	3.9	U	3.9	7.0		3.9	3.9	U	3.9	6.7		3.9
Copper	1300	14.9		3.8	128		3.8	3.8	U	3.8	26.5		3.8
Iron	300	10300		119	46300		119	33600		119	146000		119
Lead	5	20.5		1.2	458		1.2	1.2	U	1.2	55.8		1.2
Magnesium	NA	8430		197	43700		197	51900		197	25500		197
Manganese	50	492		8.1	1220		8.1	2390		8.1	7230		8.1
Nickel	100	7.1		4.1	13.4		4.1	4.1	U	4.1	17.7		4.1
Potassium	NA	6590		202	47500		202	47800		202	12200		202
Selenium	40	2.1	J	1.5	2.8		1.5	1.9	J	1.5	2.9		1.5
Silver	40	4.1	U	4.1	4.1	U	4.1	4.1	U	4.1	4.1	U	4.1
Sodium	50000	33900		193	270000		193	613000		193	122000		193
Thallium	2	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79	0.79	U	0.79
Vanadium	NA	3.8	U	3.8	29.0		3.8	3.8	U	3.8	29.5		3.8
Zinc	2000	436		19.7	237		19.7	113		19.7	112		19.7
Mercury	2	0.16	U	0.16	1.4		0.16	0.16	U	0.16	0.21		0.16
<b>Wet Chemistry</b>													
Cyanide, Total (mg/l)	NA	0.083		0.0025	0.65		0.050	0.016		0.0050	0.0095	J	0.0050
Cyanide, Weak Acid Dissociable (mg/l)	0.1	0.0512		0.00250	0.0861		0.00250	0.0223		0.00250	0.00500	U	0.00250

**Notes**

Concentrations reported in parts per billion  
 GWQC = Groundwater Quality Criteria (2010)  
 \* = Interim Groundwater Quality Criteria (IGQC)  
 B = Analyte detected in method/field blank  
 MDL = Method Detection Limit  
 U or ND = Analyzed for but Not Detected at MDL  
 Q = Qualifiers  
 NA = No standard available / Not Analyzed  
 TIC = Tentatively Identified Compound  
 Exceeds GWQC or IGQC  
 † GWQC exceeded by MDL value





NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION SOIL CLEANUP CRITERIA

Contaminant	Residential	Commercial	Industrial	Public
Asbestos	100	100	100	100
Lead	400	300	300	300
Trichloroethylene	250	2,400	NA	NA
Pyrene	51000	NA	NA	NA

NOTES:

- ALL UNITS IN PARTS PER MILLION (PPM) OR MG/KG
- NE: NO EXCEEDANCES
- ND: NONE DETECTED
- NA: NOT ANALYZED
- EOB: END OF BORING (FEET)
- CHEM BOXES DEPICTED IN BLUE INDICATE THAT NO EXCEEDENCE OF THE MOST STRINGENT SOIL CLEANUP CRITERIA WAS IDENTIFIED.
- CHEM BOXES DEPICTED IN BLACK DISPLAY SAMPLE RESULTS AT LOCATIONS WHERE ONE OR MORE PARAMETER EXCEEDED THE MOST STRINGENT SOIL CLEANUP CRITERIA. RESULTS DISPLAYED DO NOT INCLUDE PARAMETERS DETECTED AT LEVELS BELOW THE MOST STRINGENT SOIL CLEANUP CRITERIA.
- SOIL SAMPLES WERE NOT ANALYZED FROM LOCATION OSB-E2-DB7. SAMPLE LOCATION IS OMITTED FROM THIS MAP.

SOIL BORING (1998) - REMEDIAL INVESTIGATION REPORT ADDENDUM, AUG. 1999

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-081	5058-005	07/29/2002	Soil	7.27	2.21	7.27
OSB-E2-082	5058-003	07/29/2002	Soil	7.27	2.21	7.27

SOIL BORING (2002) - REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-083	5445-001	07/19/2002	Soil	6.63	2.02	6.63
OSB-E2-084	5445-003	07/19/2002	Soil	6.63	2.02	6.63

POST-EXCAVATION SIDEWALL SAMPLING LOCATION - PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-085	5445-004	07/19/2002	Soil	6.63	2.02	6.63
OSB-E2-086	5445-005	07/19/2002	Soil	6.63	2.02	6.63

POST-EXCAVATION BOTTOM SAMPLING LOCATION - PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-087	5445-006	07/19/2002	Soil	6.63	2.02	6.63
OSB-E2-088	5445-007	07/19/2002	Soil	6.63	2.02	6.63

EXISTING MONITORING WELL

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-089	5445-008	07/19/2002	Soil	6.63	2.02	6.63
OSB-E2-090	5445-009	07/19/2002	Soil	6.63	2.02	6.63

SOIL BORING FRONT STREET DELINEATION (2005)

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-091	5445-010	07/19/2002	Soil	6.63	2.02	6.63
OSB-E2-092	5445-011	07/19/2002	Soil	6.63	2.02	6.63

NOTCH AREA SOIL BORING, PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-093	5445-012	07/19/2002	Soil	6.63	2.02	6.63
OSB-E2-094	5445-013	07/19/2002	Soil	6.63	2.02	6.63

GP PROPERTY SOIL BORING (2002) - REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003

Sample ID	Lab Sample Number	Sampling Date	Matrix	Depth (ft)	Depth (m)	Depth (ft) Below Ground Surface
OSB-E2-095	5445-014	07/19/2002	Soil	6.63	2.02	6.63
OSB-E2-096	5445-015	07/19/2002	Soil	6.63	2.02	6.63

**FIGURE 3A**  
SUMMARY OF SOIL SAMPLE RESULTS  
(1998 THRU 2005)  
SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT  
PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
FORMER CAMDEN COKE PLANT  
CAMDEN, NEW JERSEY

amec  
ENVIRONMENT & INFRASTRUCTURE  
200 AMERICAN METRO BLVD, SUITE 113  
HAMILTON, NEW JERSEY 08619

MACETC PROJECT No. 3480110290  
DRAWING: 3480110290-6001-SSR0-0000

PREPARED/DATE: STR 06/04/12  
CHECKED/DATE: JHK 06/04/12

REV. DATE STATUS  
PRPD BY CHKD BY

LEGEND

- BLOCK AND LOT LINE
- SOIL BORING (1998) - REMEDIAL INVESTIGATION REPORT ADDENDUM, AUG. 1999
- SOIL BORING (2002) - REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
- POST-EXCAVATION SIDEWALL SAMPLING LOCATION - PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- POST-EXCAVATION BOTTOM SAMPLING LOCATION - PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- EXISTING MONITORING WELL
- SOIL BORING FRONT STREET DELINEATION (2005)
- NOTCH AREA SOIL BORING, PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- GP PROPERTY SOIL BORING (2002) - REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003

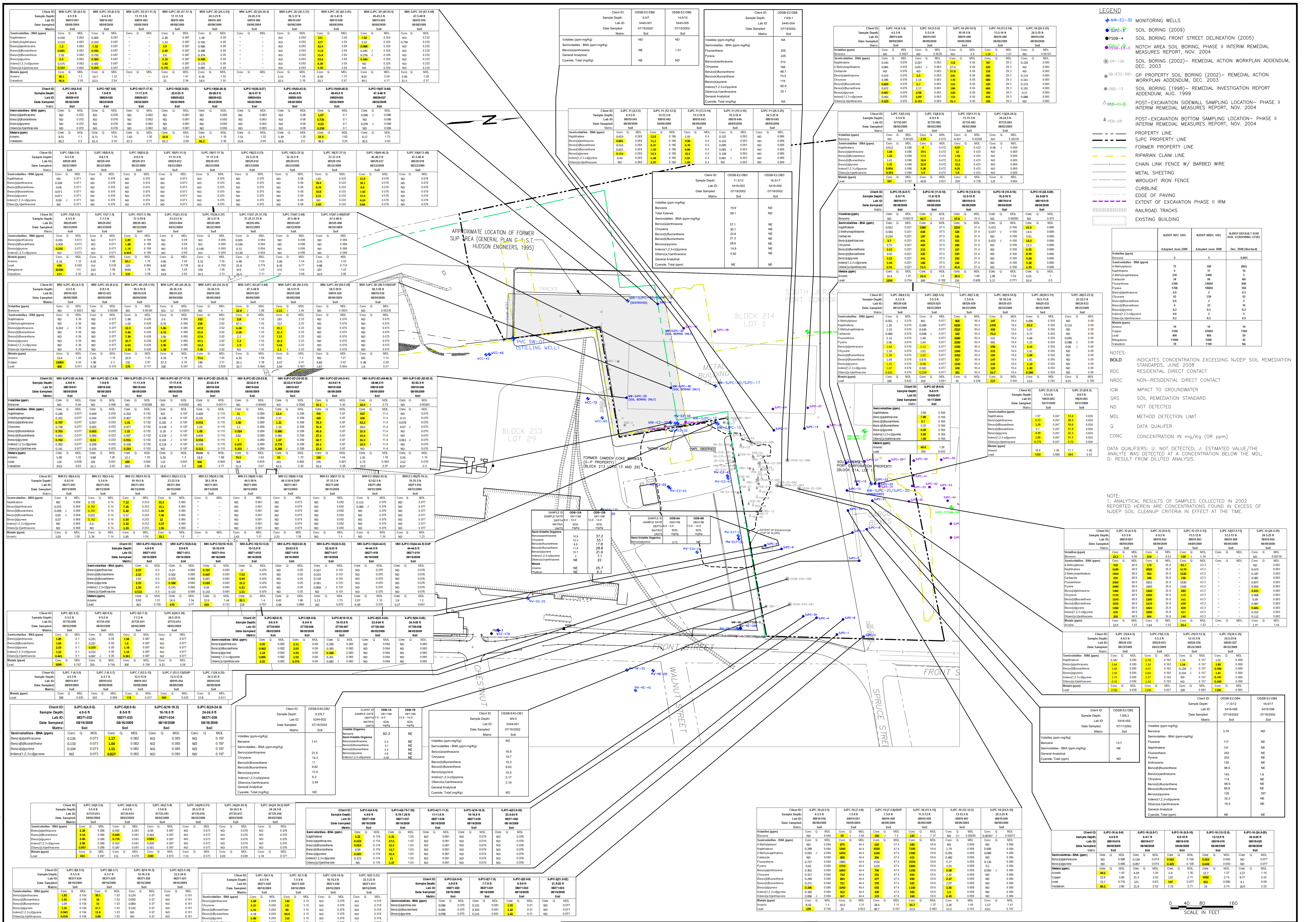
GRAPHIC SCALE  
0 25 50 100

SOIL BORING FRONT STREET DELINEATION (2005)

NOTCH AREA SOIL BORING, PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004

GP PROPERTY SOIL BORING (2002) - REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003





**LEGEND**

- MW-12-30 MONITORING WELLS
- SOIL BORING (2009)
- SOIL BORING FRONT STREET DELINEATION (2005)
- NOTCH AREA SOIL BORING, PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- SOIL BORING (2002) - REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
- GP PROPERTY SOIL BORING (2002) - REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
- SOIL BORING (1999) - REMEDIAL INVESTIGATION REPORT ADDENDUM, AUG. 1999
- POST-EXCAVATION SIDEWALK SAMPLING LOCATION - PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- POST-EXCAVATION BOTTOM SAMPLING LOCATION - PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- PROPERTY LINE
- SJCP PROPERTY LINE
- FORMER PROPERTY LINE
- RIPARIAN CLAM LINE
- CHAIN LINK FENCE W/ BARBED WIRE
- METAL SHEETING
- WROUGHT IRON FENCE
- CURBLINE
- EDGE OF PAVING
- EXTENT OF EXCAVATION PHASE II IIRM
- RAILROAD TRACKS
- EXISTING BUILDING

**NOTES:**

- BOLD** INDICATES CONCENTRATION EXCEEDING NJDEP SOIL REMEDIATION STANDARDS, JUNE 2008
- RDC** RESIDENTIAL DIRECT CONTACT
- NRDC** NON-RESIDENTIAL DIRECT CONTACT
- IGW** IMPACT TO GROUNDWATER
- SRS** SOIL REMEDIATION STANDARD
- ND** NOT DETECTED
- MDL** METHOD DETECTION LIMIT
- Q** DATA QUALIFIER
- CONC** CONCENTRATION IN mg/kg (OR ppm)

**DATA QUALIFIERS:** U: NOT DETECTED; J: ESTIMATED VALUE/THE ANALYTE WAS DETECTED AT A CONCENTRATION BELOW THE MDL; D: RESULT FROM DILUTED ANALYSIS.

**NOTE:** 1. ANALYTICAL RESULTS OF SAMPLES COLLECTED IN EXCESS OF REPORTED HEREIN ARE CONCENTRATIONS FOUND IN EXCESS OF NJDEP SOIL CLEANUP CRITERIA IN EFFECT AT THE TIME.

Client ID	Sample Depth	Lab ID	Date Sampled	Matrix	Method	Concentration	Standard
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Volatiles (ppm-mg/kg)	15.7	ND
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Semivolatiles - BNA (ppm-mg/kg)	3.79	ND
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Fluoranthene	131	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Benzo(a)anthracene	253	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Pyrene	203	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Benzo(b)fluoranthene	135	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Benzo(k)fluoranthene	98.9	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Chrysene	143	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Benzo(a)pyrene	169	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Benzo(e)pyrene	143	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Indeno(1,2,3-cd)pyrene	127	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Benzo(g,h,i)perylene	30.2	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	General Analytical	16.5	NE
OS88-E2-086	7.6-11	0891-001	07/19/2002	Soil	Cyanide, Total (mg/kg)	ND	ND

**FIGURE 3B**  
SUMMARY OF SOIL SAMPLING RESULTS (SUPPLEMENTAL RI 2009)

SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT PUBLIC SERVICE ELECTRIC AND GAS COMPANY FORMER CAMDEN COKE PLANT CAMDEN, NEW JERSEY

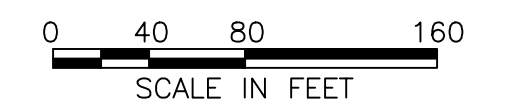
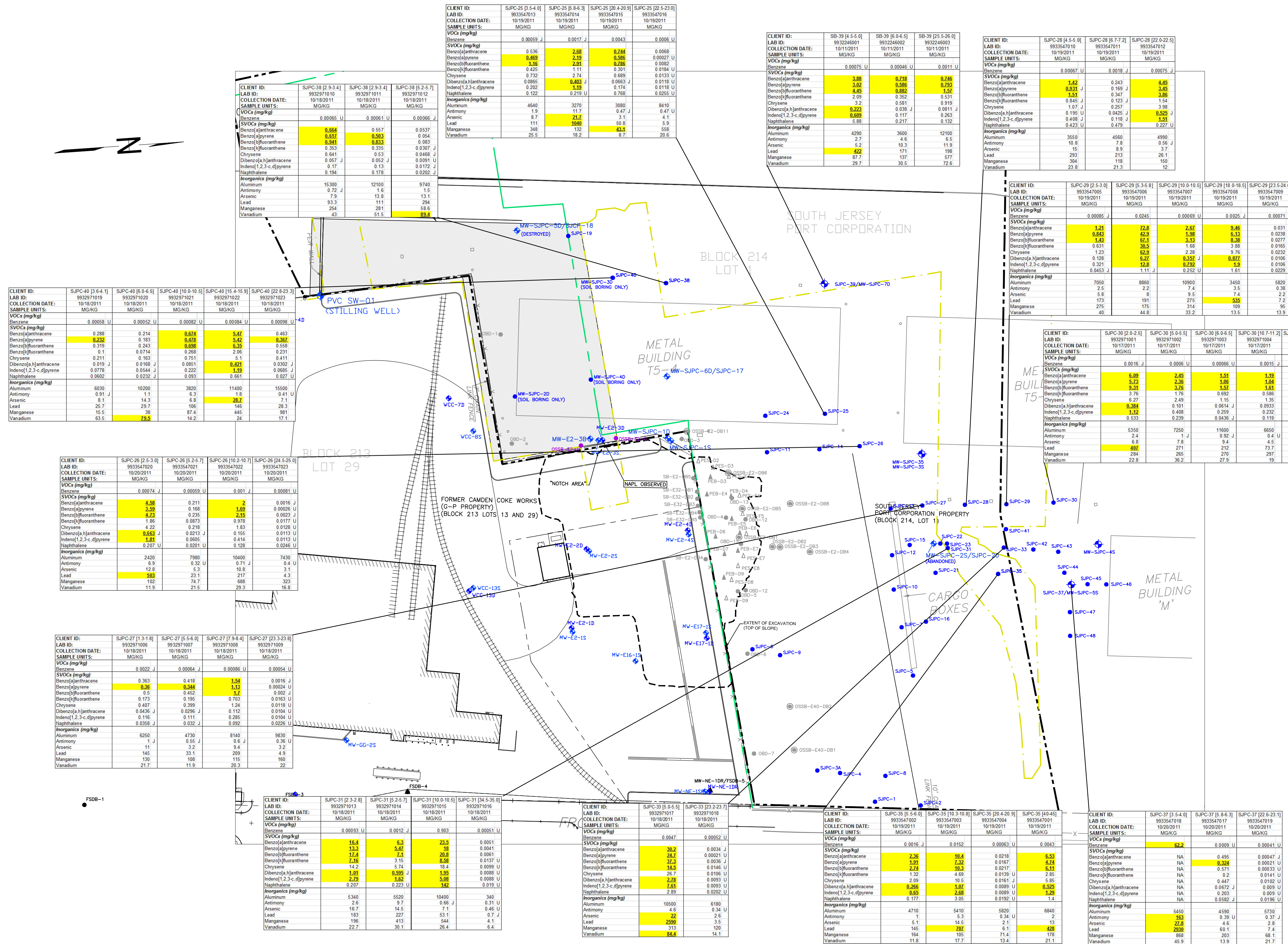


LEGEND

- MW-E2-3D MONITORING WELLS
SJPC-3 SOIL BORING (2009)
FSDB-4 SOIL BORING FRONT STREET DELINEATION (2005)
OSSB-E2-C NOTCH AREA SOIL BORING, PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
GP-13A SOIL BORING (2002)- REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
SB-E32-DB1 GP PROPERTY SOIL BORING (2002)- REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
OBD-13 SOIL BORING (1998)- REMEDIAL INVESTIGATION REPORT ADDENDUM, AUG. 1999
PEB-D9 POST-EXCAVATION SIDEWALL SAMPLING LOCATION- PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
PEB-D8 POST-EXCAVATION BOTTOM SAMPLING LOCATION- PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
PROPERTY LINE
SJPC PROPERTY LINE
FORMER PROPERTY LINE
RIPARIAN CLAIM LINE
CHAIN LINK FENCE W/ BARBED WIRE
METAL SHEETING
WROUGHT IRON FENCE
CURBLINE
EDGE OF PAVING
EXTENT OF EXCAVATION PHASE II IRM
RAILROAD TRACKS
EXISTING BUILDING

Table with 2 columns: SAMPLE UNITS, RSRs / NRSR. Lists various chemicals and their concentrations in mg/kg.

NOTES
CONCENTRATIONS REPORTED IN PARTS PER MILLION
RDCRS = RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD (2009)
NRDCRS = NON RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARD (2009)
B = ANALYTE DETECTED IN METHOD/FIELD BLANK
ND = ANALYZED FOR BUT NOT DETECTED AT MDL
NA = NO STANDARD AVAILABLE / NOT ANALYZED
J = ESTIMATED CONCENTRATION
U = NOT DETECTED
EXCEEDS RDCRS OR NRDCRS



- SOURCES FOR THIS BASE MAP INCLUDE THE FOLLOWING:
1. SITE SURVEY MASER CONSULTING INC. OCTOBER 2009.
2. RIRA REPORT FOR FORMER CAMDEN COKE PLANT DATED AUGUST 1999 PREPARED BY URS.
3. PROPERTY SURVEY AND TOPOGRAPHIC MAP DATED AUGUST 21, 2000 PREPARED BY SUHAKAR COMPANY, INC.
4. CONSTRUCTION PLAN FOR G-P GYPSUM BUILDING EXPANSION DATED JANUARY 17, 2001 PREPARED BY ENVIRONMENTAL RESOLUTIONS, INC.
5. PROPERTY DRAWING ENTITLED "REMEDIAL PROJECT BLOCK 213 CAMDEN COKE SITE", DATED APRIL 25, 1996, PUBLIC SERVICE ELECTRIC AND GAS COMPANY.

Revision table with columns: REV., DATE, STATUS, PRPD BY, CHKD BY. Includes entries for STR 06/04/12 and JH 06/15/12.

AMEC PROJECT No. 3480110290
DRAWING: 3480110290-6001-SR11-0000

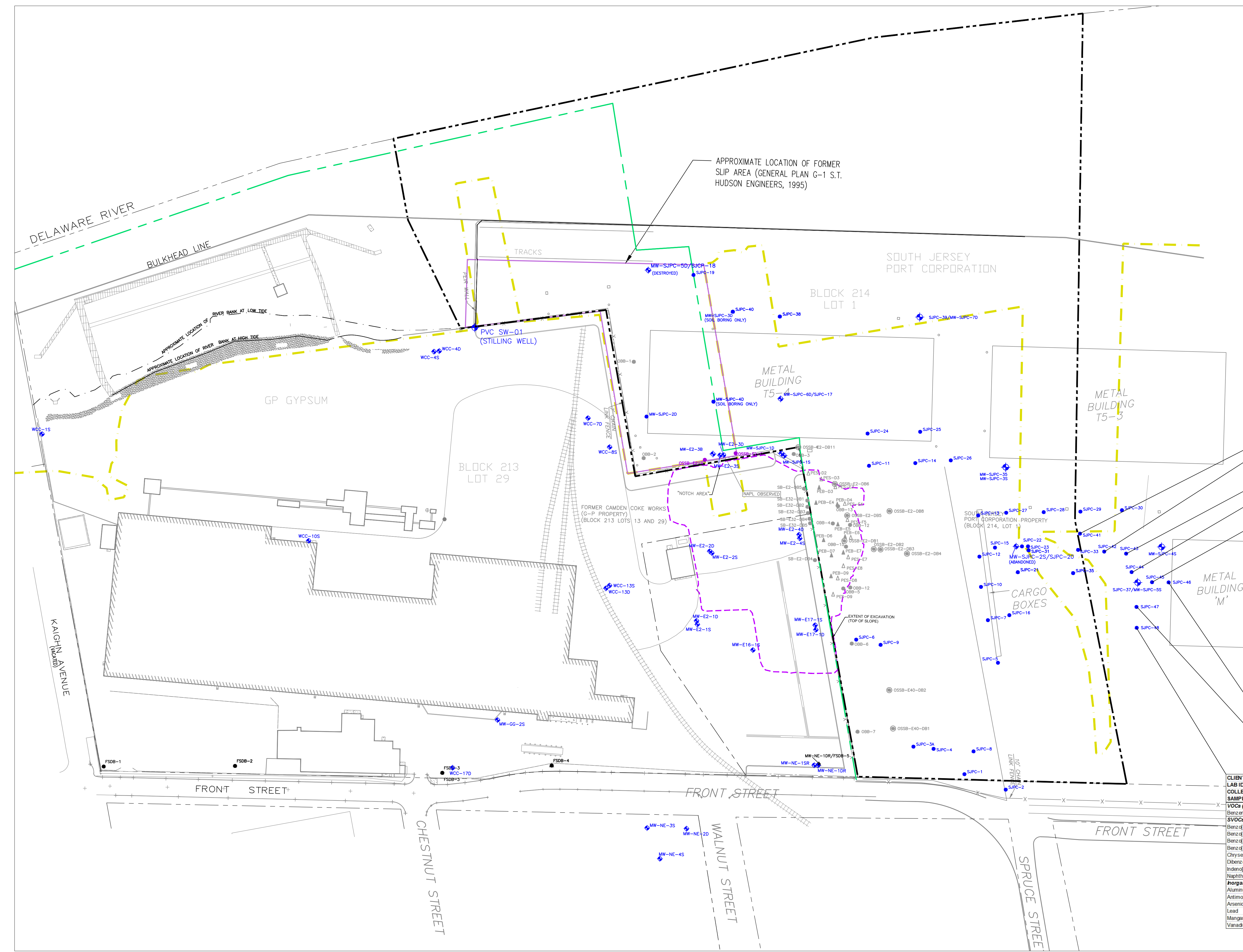
amec logo
ENVIRONMENT & INFRASTRUCTURE
200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

FIGURE 3C
SOIL SAMPLE RESULTS (2011)
SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
FORMER CAMDEN COKE PLANT
CAMDEN, NEW JERSEY



LEGEND

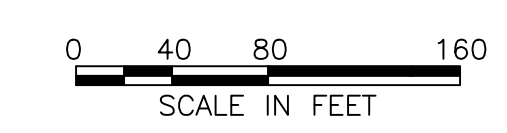
- MW-E2-30 MONITORING WELLS
- SPC-3 SOIL BORING (2009-2012)
- F50B-4 SOIL BORING FRONT STREET DELINEATION (2005)
- 035B-E2-C NOTCH AREA SOIL BORING, PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- GP-13A SOIL BORING (2002)- REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
- SB-E32-081 GP PROPERTY SOIL BORING (2002)- REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
- 00B-13 SOIL BORING (1999)- REMEDIAL INVESTIGATION REPORT ADDENDUM, AUG. 1999
- PES-09 POST-EXCAVATION SIDEWALL SAMPLING LOCATION- PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- PEB-06 POST-EXCAVATION BOTTOM SAMPLING LOCATION- PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- PROPERTY LINE
- SIPC PROPERTY LINE
- FORMER PROPERTY LINE
- RIPARIAN CLAIM LINE
- FORMER SLIP AREA
- CHAIN LINK FENCE W/ BARBED WIRE
- METAL SHEETING
- WROUGHT IRON FENCE
- CURBLINE
- EDGE OF PAVING
- EXTENT OF EXCAVATION PHASE II IRM
- RAILROAD TRACKS
- EXISTING BUILDING
- METAL LIDS
- MANHOLE
- INLET
- LIGHT POLE



CLIENT ID:	SJPC-410 (3.3.0)	SJPC-410 (3.5.0)	CLIENT ID:	SJPC-410 (3.5.0)
LAB ID:	#18136.9	#18136.1	LAB ID:	#18136.2
COLLECTION DATE:	10/20/12	10/20/12	COLLECTION DATE:	10/20/12
SAMPLE UNITS:	MG/KG	MG/KG	SAMPLE UNITS:	MG/KG
<b>VOCS (mg/kg)</b>				
Benzene	0.00591	J	0.0070	J
<b>SVOCs (mg/kg)</b>				
Benz(a)anthracene	0.255	0.159	Benz(a)anthracene	0.0586
Benz(b)fluoranthene	0.247	0.210	Benz(b)fluoranthene	0.0599
Benz(k)fluoranthene	0.196	0.089	Benz(k)fluoranthene	0.0050
Chrysene	0.201	0.177	Chrysene	ND
Dibenz(a,h)anthracene	0.0519	0.042	Dibenz(a,h)anthracene	0.195
Indeno(1,2,3-c,d)pyrene	0.145	0.104	Indeno(1,2,3-c,d)pyrene	ND
Naphthalene	0.6158	J	Naphthalene	ND
<b>Inorganics (mg/kg)</b>				
Aluminum	10000	8970	Aluminum	9830
Antimony	<2.4	<2.3	Antimony	5.7
Arsenic	6.3	4.5	Arsenic	8.7
Lead	191	156	Lead	202
Manganese	253	208	Manganese	571
Vanadium	25.5	34.4	Vanadium	56.3

CLIENT ID:	SJPC-45 (3.5.4.0)	CLIENT ID:	SJPC-45 (3.5.4.0)
LAB ID:	#18136.5	LAB ID:	#18136.38
COLLECTION DATE:	10/20/12	COLLECTION DATE:	10/20/12
SAMPLE UNITS:	MG/KG	SAMPLE UNITS:	MG/KG
<b>VOCS (mg/kg)</b>			
Benzene	0.0047	0.0078	J
<b>SVOCs (mg/kg)</b>			
Benz(a)anthracene	0.128	Benz(a)anthracene	38.1
Benz(b)fluoranthene	0.152	Benz(b)fluoranthene	27.1
Benz(k)fluoranthene	0.146	Benz(k)fluoranthene	18.3
Chrysene	0.0931	Chrysene	38.3
Dibenz(a,h)anthracene	0.174	Dibenz(a,h)anthracene	NA
Indeno(1,2,3-c,d)pyrene	0.0165	Indeno(1,2,3-c,d)pyrene	33.8
Naphthalene	0.115	Naphthalene	2.91
<b>Inorganics (mg/kg)</b>			
Aluminum	14000	Aluminum	1300
Antimony	<6.5	Antimony	123
Arsenic	8.7	Arsenic	25.2
Lead	198	Lead	132
Manganese	573	Manganese	1250
Vanadium	137	Vanadium	75.5

CLIENT ID:	SJPC-47 (3.5.4.0)	CLIENT ID:	SJPC-48 (3.5.4.0)
LAB ID:	#18136.7	LAB ID:	#18136.6R
COLLECTION DATE:	10/20/12	COLLECTION DATE:	10/20/12
SAMPLE UNITS:	MG/KG	SAMPLE UNITS:	MG/KG
<b>VOCS (mg/kg)</b>			
Benzene	0.0022	0.0020	J
<b>SVOCs (mg/kg)</b>			
Benz(a)anthracene	0.549	Benz(a)anthracene	1.43
Benz(b)fluoranthene	0.524	Benz(b)fluoranthene	1.21
Benz(k)fluoranthene	0.327	Benz(k)fluoranthene	1.63
Chrysene	0.701	Chrysene	0.791
Dibenz(a,h)anthracene	0.122	Dibenz(a,h)anthracene	1.96
Indeno(1,2,3-c,d)pyrene	0.309	Indeno(1,2,3-c,d)pyrene	0.271
Naphthalene	0.0767	Naphthalene	0.254
<b>Inorganics (mg/kg)</b>			
Aluminum	6460	Aluminum	6900
Antimony	241	Antimony	17.1
Arsenic	8.4	Arsenic	15.7
Lead	38.4	Lead	732
Manganese	537	Manganese	951
Vanadium	45.4	Vanadium	32.2



- SOURCES FOR THIS BASE MAP INCLUDE THE FOLLOWING:
1. SITE SURVEY MASER CONSULTING INC. OCTOBER 2009.
  2. RIRA REPORT FOR FORMER CAMDEN COKE PLANT DATED AUGUST 1999 PREPARED BY RUS.
  3. PROPERTY SURVEY AND TOPOGRAPHIC MAP DATED AUGUST 21, 2000 PREPARED BY SUDHAKAR COMPANY, INC.
  4. CONSTRUCTION PLAN FOR G-P GYPSUM BUILDING EXPANSION DATED JANUARY 17, 2001 PREPARED BY ENVIRONMENTAL RESOLUTIONS, INC.
  5. PROPERTY DRAWING ENTITLED "REMEDIAL PROJECT BLOCK 213 CAMDEN COKE SITE", DATED APRIL 25, 1996, PUBLIC SERVICE ELECTRIC AND GAS COMPANY.

REV.	DATE	STATUS	PRPD BY	CHKD BY

AMEC PROJECT No. 3480110290 DRAWING: 3480110290-6001-SSCB-0000	
PREPARED/DATE: STR 12/04/12	CHECKED/DATE: JH 12/05/12



**FIGURE 3D**  
SOIL SAMPLE RESULTS (2012)  
SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT  
PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
FORMER CAMDEN COKE PLANT  
CAMDEN, NEW JERSEY



CLIENT ID:	MW-SJPC-38	MW-E2-38
LAB ID:	993866007	460-39447-6
COLLECTION DATE:	11/18/2011	4/24/2012
<b>SVOCs (ug/l)</b>		
Benz(a)anthracene	1.4	0.29
Benz(a)pyrene	1.1	0.083
Benz(b)fluoranthene	0.36	0.093
Benz(k)fluoranthene	0.42	0.27 U
benz(ghi)perylene	4.8	2.1 U
Dibenz(a,h)anthracene	0.15	0.04 U
Indeno(1,2,3-c,d)pyrene	0.36	0.16 U
<b>Inorganics (ug/l)</b>		
Aluminum	1400	703
Antimony	0.74 U	1.9 U
Arsenic	3.8	6.0
Beryllium	0.74 J	0.80 U
Cadmium	1.1 J	2.0 U
Chromium	12	4.8 J
Iron	28400	22300
Lead	16	3.0
Manganese	1520	1210
Mercury	0.17 U	0.16 U
Nickel	23	4.4 J
Selenium	3.7 J	1.5 U
Sodium	45000	29700
Thallium	0.3 U	0.79 U
Vanadium	17	3.8 U
Zinc	58	19.7 U
Cyanide, Weak Acid Dissociable	NA	6.77

CLIENT ID:	MW-SJPC-10	MW-SJPC-10	MW-SJPC-10 Dup
LAB ID:	993866002	460-39447-1	460-39447-7
COLLECTION DATE:	11/18/2011	4/24/2012	4/24/2012
<b>SVOCs (ug/l)</b>			
Benz(a)anthracene	0.38	0.036 U	0.043 J
Benz(a)pyrene	0.37	0.048 U	0.050 U
Benz(b)fluoranthene	0.66	0.031 U	0.047 J
Benz(k)fluoranthene	0.23	0.27 U	0.27 U
benz(ghi)perylene	4.1	2.0 U	2.1 U
Dibenz(a,h)anthracene	0.01 U	0.092 U	0.095 U
Indeno(1,2,3-c,d)pyrene	0.24	0.15 U	0.16 U
<b>Inorganics (ug/l)</b>			
Aluminum	2000	746	405
Antimony	3	1.9 U	1.9 U
Arsenic	26	7.1	4.1 U
Beryllium	0.3 U	0.80 U	0.80 U
Cadmium	1.3	2.0 U	2.0 U
Chromium	21	6.4	3.9 U
Iron	43500	62000	52200
Lead	130	15.1	16.2
Manganese	530	1940	1060
Mercury	0.36 J	0.16 U	0.16 U
Nickel	15	4.1 U	4.1 U
Selenium	2.9 J	1.5 U	1.5 U
Sodium	26600	33700	35600
Thallium	0.3 U	0.79 U	0.79 U
Vanadium	17	3.8 U	3.8 U
Zinc	420	76.1	68.9
Cyanide, Weak Acid Dissociable	NA	6.33	14.4

CLIENT ID:	MW-SJPC-60	MW-SJPC-60DUP	MW-SJPC-60
LAB ID:	993866008	993866009	460-39443-1
COLLECTION DATE:	11/18/2011	11/18/2011	4/25/2012
<b>SVOCs (ug/l)</b>			
Benz(a)anthracene	0.11	0.058 J	0.058 U
Benz(a)pyrene	0.088 J	0.044 J	0.048 U
Benz(b)fluoranthene	0.1	0.054 J	0.031 U
Benz(k)fluoranthene	0.046 J	0.027 J	0.27 U
benz(ghi)perylene	0.96 U	0.46 U	2.0 U
Dibenz(a,h)anthracene	0.011 U	0.011 U	0.092 U
Indeno(1,2,3-c,d)pyrene	0.04 J	0.022 J	0.15 U
<b>Inorganics (ug/l)</b>			
Aluminum	300	120	113
Antimony	0.74 U	0.74 U	1.9 U
Arsenic	2.2 J	2.2	2.6
Beryllium	0.3 U	0.3 U	0.80 U
Cadmium	0.37 U	0.37 U	2.0 U
Chromium	6.3	3.9	8.1
Iron	12200	14900	11300
Lead	5.5	3.1	1.2 U
Manganese	4700	4900	5100
Mercury	0.17 U	0.17 U	0.16 U
Nickel	3.3 J	2.7 J	4.1 U
Selenium	1.8 U	1.8 U	1.5 U
Sodium	9800	10900	11400
Thallium	0.3 U	0.3 U	0.79 U
Vanadium	2 J	1 J	3.8 U
Zinc	22	13	19.7 U
Cyanide, Weak Acid Dissociable	NA	NA	22.7

CLIENT ID:	MW-SJPC-18	MW-SJPC-18
LAB ID:	993866001	460-39442-2
COLLECTION DATE:	11/18/2011	4/25/2012
<b>SVOCs (ug/l)</b>		
Benz(a)anthracene	1.1	0.95
Benz(a)pyrene	1.2	0.067
Benz(b)fluoranthene	0.6	0.27 U
Benz(k)fluoranthene	0.08 J	2.0 U
benz(ghi)perylene	0.2	0.092 U
Dibenz(a,h)anthracene	0.15	0.15 U
Indeno(1,2,3-c,d)pyrene	0.6	0.15 U
<b>Inorganics (ug/l)</b>		
Aluminum	5000	1850
Antimony	5.4	1.9 U
Arsenic	16	2.5
Beryllium	0.57 J	0.80 U
Cadmium	18	2.0 U
Chromium	10	3.9 U
Iron	30300	10300
Lead	220	20.5
Manganese	690	492
Mercury	1.4	0.16 U
Nickel	20	7.1
Selenium	3.6 J	2.1 J
Sodium	18700	33900
Thallium	0.14 J	0.79 U
Vanadium	19	3.8 U
Zinc	480	48
Cyanide, Weak Acid Dissociable	NA	51.2

CLIENT ID:	MW-SJPC-70	MW-SJPC-70
LAB ID:	993866003	460-39447-5
COLLECTION DATE:	11/18/2011	4/24/2012
<b>SVOCs (ug/l)</b>		
Benz(a)anthracene	0.055	0.051 U
Benz(a)pyrene	0.058 J	0.038 J
Benz(b)fluoranthene	0.088 J	0.038 J
Benz(k)fluoranthene	0.28 U	0.28 U
benz(ghi)perylene	2.1 U	2.1 U
Dibenz(a,h)anthracene	0.096 U	0.096 U
Indeno(1,2,3-c,d)pyrene	0.16 U	0.16 U
<b>Inorganics (ug/l)</b>		
Aluminum	713	713
Antimony	1.9 U	1.9 U
Arsenic	2.9	2.9
Beryllium	0.80 U	0.80 U
Cadmium	2.0 U	2.0 U
Chromium	6.7	6.7
Iron	31300	31300
Lead	5.3	4.2 J
Manganese	3080	3080
Mercury	0.16 U	0.16 U
Nickel	4.2 J	4.2 J
Selenium	1.7 J	1.7 J
Sodium	19200	19200
Thallium	0.79 U	0.79 U
Vanadium	3.8 U	3.8 U
Zinc	60.0	60.0
Cyanide, Weak Acid Dissociable	NA	20.2

CLIENT ID:	MW-SJPC-38	MW-SJPC-38
LAB ID:	993866003	460-39447-2
COLLECTION DATE:	11/18/2011	4/24/2012
<b>SVOCs (ug/l)</b>		
Benz(a)anthracene	3	0.19
Benz(a)pyrene	2.6	0.14
Benz(b)fluoranthene	4.4	0.23
Benz(k)fluoranthene	3.8	0.27 U
benz(ghi)perylene	16.2	2.0 U
Dibenz(a,h)anthracene	0.62	0.092 U
Indeno(1,2,3-c,d)pyrene	1.4	0.15 U
<b>Inorganics (ug/l)</b>		
Aluminum	13400	1800
Antimony	94	13.0 J
Arsenic	19	19.3
Beryllium	8.3	0.80 U
Cadmium	20	2.0 U
Chromium	230	19.5
Iron	21000	26300
Lead	4100	450
Manganese	4000	1220
Mercury	23	1.4
Nickel	130	13.4
Selenium	35	2.3
Sodium	33000	22000
Thallium	4.5	0.79 U
Vanadium	500	29.0
Zinc	1100	237
Cyanide, Weak Acid Dissociable	NA	86.1

**LEGEND**

- MW-E2-3D MONITORING WELLS
- SJPC-3 SOIL BORING (2009)
- FSDB-4 SOIL BORING FRONT STREET DELINEATION (2005)
- OSSB-E2-C NOTCH AREA SOIL BORING, PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- GP-13A SOIL BORING (2002)- REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
- SB-E32-DB1 GP PROPERTY SOIL BORING (2002)- REMEDIAL ACTION WORKPLAN ADDENDUM, DEC. 2003
- OBD-13 SOIL BORING (1998)- REMEDIAL INVESTIGATION REPORT ADDENDUM, AUG. 1999
- ▲ PES-D9 POST-EXCAVATION SIDEWALL SAMPLING LOCATION- PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- ▲ PEB-D8 POST-EXCAVATION BOTTOM SAMPLING LOCATION- PHASE II INTERIM REMEDIAL MEASURES REPORT, NOV. 2004
- PROPERTY LINE
- SJPC PROPERTY LINE
- FORMER PROPERTY LINE
- RIPARIAN CLAIM LINE
- - - CHAIN LINK FENCE W/ BARBED WIRE
- METAL SHEETING
- WROUGHT IRON FENCE
- CURBLINE
- EDGE OF PAVING
- EXTENT OF EXCAVATION PHASE II IRM
- ||||| RAILROAD TRACKS
- ▭ EXISTING BUILDING

SVOCs (ug/l)	NJDEP GWQC or IGQC
Benz(a)anthracene	0.100
Benz(a)pyrene	0.100
Benz(b)fluoranthene	0.200
Benz(k)fluoranthene	0.500
benz(ghi)perylene	3.00
Dibenz(a,h)anthracene	0.300
Indeno(1,2,3-c,d)pyrene	0.200
<b>Inorganics (ug/l)</b>	
Aluminum	200
Antimony	6.00
Arsenic	3.00
Beryllium	1.00
Cadmium	4.00
Chromium	70.0
Iron	300
Lead	5.00
Manganese	50.0
Mercury	2.00
Nickel	100
Selenium	40.0
Sodium	50000
Thallium	2.00
Vanadium	60.0
Zinc	2000
Cyanide, Weak Acid Dissociable	100

NOTES  
 CONCENTRATIONS REPORTED IN PARTS PER BILLION  
 GWQC = GROUNDWATER QUALITY CRITERIA (2010)  
 \* = INTERIM GROUNDWATER QUALITY CRITERIA (IGQC)  
 B = ANALYTE DETECTED IN METHOD/FIELD BLANK  
 U = NOT DETECTED  
 NA = NO STANDARD AVAILABLE / NOT ANALYZED  
 J = ESTIMATED CONCENTRATION  
 EXCEEDS GWQC OR IGQC



- SOURCES FOR THIS BASE MAP INCLUDE THE FOLLOWING:
- SITE SURVEY MASER CONSULTING INC. OCTOBER 2009.
  - RIRA REPORT FOR FORMER CAMDEN COKE PLANT DATED AUGUST 1999 PREPARED BY URS.
  - PROPERTY SURVEY AND TOPOGRAPHIC MAP DATED AUGUST 21, 2000 PREPARED BY SUDHAKAR COMPANY, INC.
  - CONSTRUCTION PLAN FOR G-P GYPSUM BUILDING EXPANSION DATED JANUARY 17, 2001 PREPARED BY ENVIRONMENTAL RESOLUTIONS, INC.
  - PROPERTY DRAWING ENTITLED "REMEDATION PROJECT BLOCK 213 CAMDEN COKE SITE", DATED APRIL 25, 1996, PUBLIC SERVICE ELECTRIC AND GAS COMPANY.

REV.	DATE	STATUS	PRPD BY	CHKD BY

AMEC PROJECT No. 3480110290  
 DRAWING: 3480110290-6001-WS00-0000

PREPARED/DATE:  
STR 06/04/12

CHECKED/DATE:  
JH 06/15/12



**FIGURE 6**  
**GROUNDWATER RESULTS**  
 PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
 FORMER CAMDEN COKE PLANT  
 CAMDEN, NEW JERSEY



1.1C

Could Not evaluate result .. Verify manually  
 Result exceeds at least one criterion  
 Positive result detected below all criteria

						CLIENT ID:	DB-N-3	DB-N-4	DB-N-5		
						LAB ID:	AD19824-001	AD19824-002	AD19824-003		
						COLLECTION DATE:	10/14/2020	10/14/2020	10/14/2020		
						SAMPLE MATRIX:	Soil	Soil	Soil		
						SAMPLE UNITS:	mg/Kg	mg/Kg	mg/Kg		
TestCode	CAS#	Analyte	RSRS mg/Kg	NRSRS mg/Kg	DEFAULT IGW SOIL SCREENING LEVEL mg/Kg	Result	RL	Result	RL	Result	RL
<b>Subcontract</b>											
HYDROMETER		Particle Size	NA	NA	NA	Attached()					
<b>TPH</b>											
8015-EPHCAT1	EPHC28C40	>C28-C40	NA	NA	NA	16,000	12,000	19,000	12,000	11,000	6,000
8015-EPHCAT1	EPHC9C28	C9-C28	NA	NA	NA	70,000	12,000	89,000	12,000	44,000	6,000
8015-EPHCAT1	EPHCAT1TOT	C9-C40 Cat1 Total EPH	5100	NA	NA	86,000	12,000	110,000	12,000	55,000	6,000

\*\*\*\*\*  
 HC-V assumes no responsibility for the completeness or accuracy of the listed values and/or their regulatory updates.  
 \*\*\*\*\*

NJ Ground Water Criteria-Ground Water Criteria from N.J.A.C. Ground Water Quality Standards amended January 16, 2018.  
 \*GWQS of 100ppb is for Free Cyanide which is a subset of the Total Cyanide result.  
 \*\*GWQS of 60 is for Vanadium pentoxide which is a subset of the Total Vanadium result.  
 \*\*\*Denotes Higher of PQL's and Ground Water Criteria.  
 f - Denotes Interim GWQS criteria  
 NJ Ground Water criteria is in ug/L (PPB) unless otherwise noted.

NJ Soil Remediation Standards  
 Note 1) Residential and Non-residential criteria from the NJDEP September 18, 2017 Soil Remediation Standards  
 Note 2) Dec 2008 DEP guidance document for the development of site-specific IGW soil remediation standards using the soil-water partition equation.  
 Note 3) Sept 2008 Dep guidance document for the use of the SPLP to develop site-specific IGW remediation standards  
 Note 4) April 2010 DEP Chromium Soil Cleanup Criteria for Trivalent Chromium. Hexavalent Chromium has a standard of 20ppm for non-residential and 240 or ACD value whichever is lower for residential criteria.

N/A No criterion derived for this contaminant.  
 All values listed on the spreadsheet are based upon HC-V's interpretation of DEP regulations.  
 The Sum of a-Chlordane and y-Chlordane are used to compare to state limits as Chlordane (Total).

Lab Sample ID:	Client Sample ID:	Test Code	Analyte	Result	RL	Units
AD19824-001	DB-N-3	8015-EPHCAT1	>C28-C40	16000	12000	mg/Kg
AD19824-001	DB-N-3	8015-EPHCAT1	C9-C28	70000	12000	mg/Kg
AD19824-001	DB-N-3	8015-EPHCAT1	C9-C40 Cat1 Total EPH	86000	12000	mg/Kg
AD19824-002	DB-N-4	8015-EPHCAT1	>C28-C40	19000	12000	mg/Kg
AD19824-002	DB-N-4	8015-EPHCAT1	C9-C28	89000	12000	mg/Kg
AD19824-002	DB-N-4	8015-EPHCAT1	C9-C40 Cat1 Total EPH	110000	12000	mg/Kg
AD19824-003	DB-N-5	8015-EPHCAT1	>C28-C40	11000	6000	mg/Kg
AD19824-003	DB-N-5	8015-EPHCAT1	C9-C28	44000	6000	mg/Kg
AD19824-003	DB-N-5	8015-EPHCAT1	C9-C40 Cat1 Total EPH	55000	6000	mg/Kg

**BORING LOG**

Paulus, Sokolowski and Sartor  
 Consulting Engineers  
 Warren, New Jersey 07059

Boring No.: **DB-N-1**  
 Sheet: **1** of **1**  
 Job No.: **01315.0622**

Project: <b>SJPC PDI</b>	Elevation: ±
Project Location: <b>South Jersey Port</b>	Date Started: <b>10/5/20</b>
Observer: <b>Claudia Theriault</b>	Date Completed: <b>10/5/20</b>
Contractor: <b>Enviroprobe</b>	
Driller: <b>Jason Kuni</b>	Helper: <b>Brian Sweeney &amp; Steve Folcher</b>
Type of Rig: <b>Sonic Drill</b>	
Casing Dia.: <b>2 inch</b>	Auger Dia.:
Drilling Mud Utilized: Type:	Rotary Bit Diameter:
SAMPLING EQUIPMENT (type and size)	Split Spoon Sampler:
	U-Tube Sampler:
	Core Barrel:
Sampler Hammer Weight:	Average Drop:

**WATER LEVEL OBSERVATIONS**

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks

SAMPLE			SAMPLE DESCRIPTION	Recovery (%)	REMARKS
Sample	DEPTH (FT)	PID (ppm)			
	0-5	0.2 1.2 2.9	0-5' – FILL, brown silty (10YR 4/3) sand with gravel and metal scraps, poorly graded, subangular, no odor or staining.	50%	Sample at 11-11.5 ft bgs  EOB: 15 ft bgs
	5-10	2.9 3.4 1.7	5-10' – Dark grayish brown (2.5Y 4/2) silty sand with gravel, poorly graded, subangular, no odor or staining.	100%	
X	10-15	58.5 3.7 1.9	10-11' – Gray (2.5Y 5/1) silty clay, medium stiffness and plasticity, no odor or staining. 11-12' - Gray (2.5Y 5/1) silty clay, medium stiffness and plasticity. TAR material, odor and staining. 12-15' - Gray (2.5Y 5/1) silty clay, medium stiffness and plasticity, no odor or staining	100%	

PLATE NO:

**BORING LOG**

Paulus, Sokolowski and Sartor  
 Consulting Engineers  
 Warren, New Jersey 07059

Boring No.: **DB-N-3**  
 Sheet: **1** of **1**  
 Job No.: **01315.0622**

Project: <b>SJPC PDI</b>		Elevation: ±
Project Location: <b>Eastern Metals Recycling Scrap Yard</b>		Date Started: <b>10/14/20</b>
Observer: <b>Claudia Theriault</b>		Date Completed: <b>10/14/20</b>
Contractor: <b>Enviroprobe</b>		
Driller: <b>Jason Kuni</b>		Helper: <b>Ken Lindes &amp; Steve Folcher</b>
Type of Rig: <b>Sonic Drill</b>		
Casing Dia.: <b>2 inch</b>		Auger Dia.:
Drilling Mud Utilized: Type:		Rotary Bit Diameter:
SAMPLING EQUIPMENT (type and size)		Split Spoon Sampler:
		U-Tube Sampler:
		Core Barrel:
Sampler Hammer Weight:		Average Drop:

**WATER LEVEL OBSERVATIONS**

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks

SAMPLE			SAMPLE DESCRIPTION	Recovery (%)	REMARKS
Sample	DEPTH (FT)	PID (ppm)			
	0-5	0.1 0.2 0.1	0-0.5' - Asphalt 0.5-2' - Gravel 2-5' - FILL, brown silty (10YR 4/3) sand with gravel, concrete and metal scraps, poorly graded, angular, no odor or staining.	100%	Sample at 10.5-11.0 ft bgs  EOB: 15 ft bgs
	5-10	0.1 1.7 2.7	5-7.5' - FILL, brown silty (10YR 4/3) sand with gravel, concrete and metal scraps, poorly graded, angular, no odor or staining. 7.5-9' Gray (10YR 5/1) sand, poorly graded, subrounded, no odor or staining. 9-10' - Gray (10YR 5/1) sand, poorly graded, subrounded, TAR material, odor and staining	100%	
X	10-15	10.0 28.1 11.0	10-12' - Gray (10YR 6/1) silty clay, medium stiffness and plasticity, TAR material, odor and staining. 12-15' - Gray (10YR 6/1) silty clay, medium stiffness and plasticity, no odor or staining.	100%	

PLATE NO:

**BORING LOG**

Paulus, Sokolowski and Sartor  
 Consulting Engineers  
 Warren, New Jersey 07059

Boring No.: **DB-N-4**  
 Sheet: **1** of **1**  
 Job No.: **01315.0622**

Project: <b>SJPC PDI</b>	Elevation: ±
Project Location: <b>Eastern Metals Recycling Scrap Yard</b>	Date Started: <b>10/14/20</b>
Observer: <b>Claudia Theriault</b>	Date Completed: <b>10/14/20</b>
Contractor: <b>Enviroprobe</b>	
Driller: <b>Jason Kuni</b>	Helper: <b>Ken Lindes &amp; Steve Folcher</b>
Type of Rig: <b>Sonic Drill</b>	
Casing Dia.: <b>2 inch</b>	Auger Dia.:
Drilling Mud Utilized: Type:	Rotary Bit Diameter:
SAMPLING EQUIPMENT (type and size)	Split Spoon Sampler:
	U-Tube Sampler:
	Core Barrel:
Sampler Hammer Weight:	Average Drop:

**WATER LEVEL OBSERVATIONS**

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks

SAMPLE			SAMPLE DESCRIPTION	Recovery (%)	REMARKS
Sample	DEPTH (FT)	PID (ppm)			
	0-5	0.0	0-5'- Asphalt, metal scraps, stone.	5%	Sample at 10.5-11 ft bgs  EOB: 15 ft bgs
	5-10	1.7 7.8 33.8	5-7' – Gray (10YR 5/1) sand, poorly graded, subrounded, no odor of staining. 7-10' – Black (10YR 2/1) sand, poorly graded, subrounded, TAR material, odor and staining.	100%	
X	10-15		10-11.5' – Very dark gray (10YR 3/1) sand, poorly graded, subrounded, TAR material, odor and staining. 11.5-15' - Gray (10YR 6/1) silty clay, medium stiffness and plasticity, no odor or staining.	100%	

PLATE NO:

**BORING LOG**

Paulus, Sokolowski and Sartor  
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 Warren, New Jersey 07059

Boring No.: **DB-N-5**  
 Sheet: **1** of **1**  
 Job No.: **01315.0622**

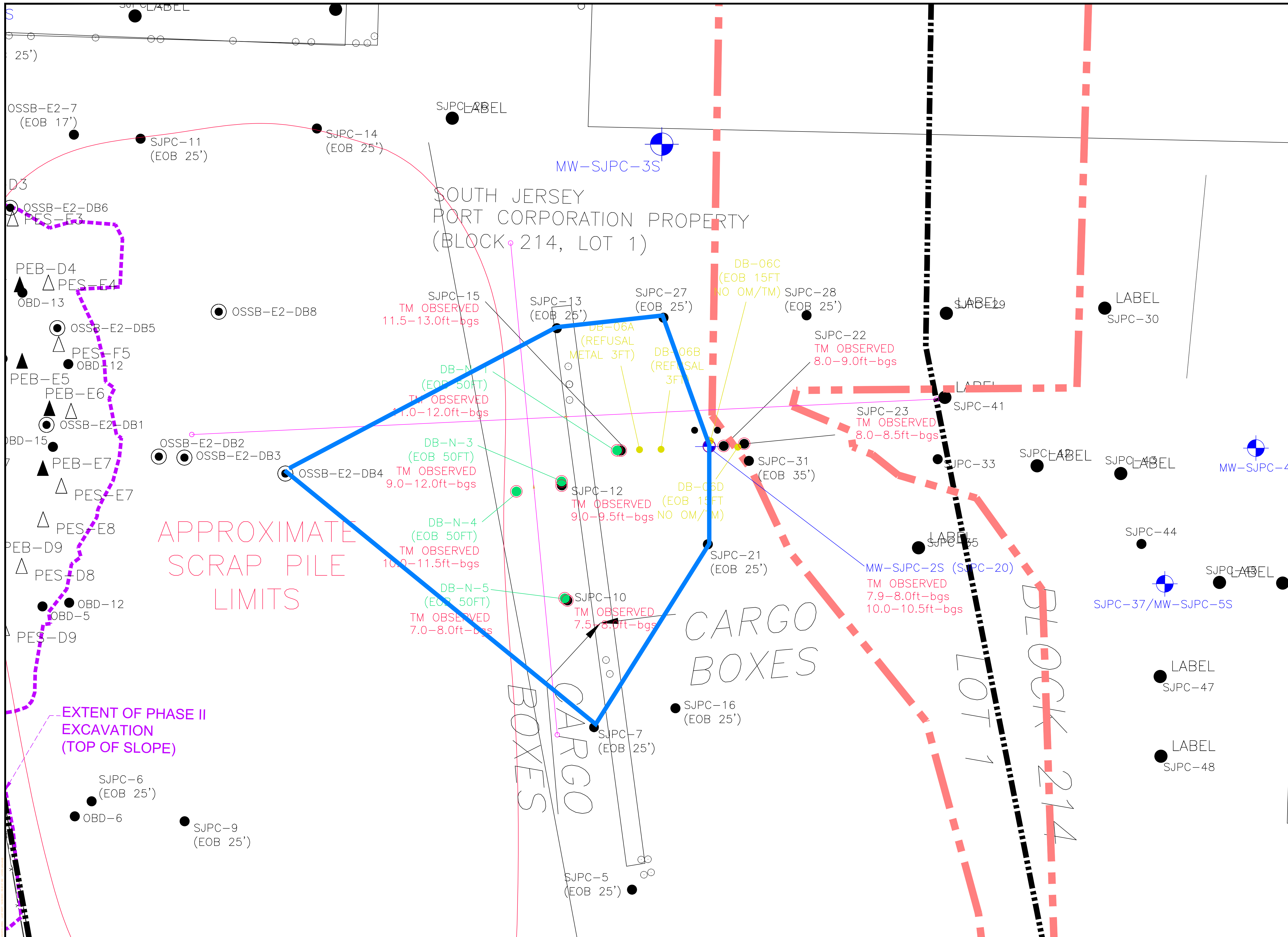
Project: <b>SJPC PDI</b>		Elevation: ±
Project Location: <b>Eastern Metals Recycling Scrap Yard</b>		Date Started: <b>10/14/20</b>
Observer: <b>Claudia Theriault</b>		Date Completed: <b>10/14/20</b>
Contractor: <b>Enviroprobe</b>		
Driller: <b>Jason Kuni</b>		Helper: <b>Ken Lindes &amp; Steve Folcher</b>
Type of Rig: <b>Sonic Drill</b>		
Casing Dia.: <b>2 inch</b>		Auger Dia.:
Drilling Mud Utilized: Type:		Rotary Bit Diameter:
SAMPLING EQUIPMENT (type and size)		Split Spoon Sampler:
		U-Tube Sampler:
		Core Barrel:
Sampler Hammer Weight:		Average Drop:

**WATER LEVEL OBSERVATIONS**

Date	Time	Depth of Hole	Depth of Casing	Depth to Water	Remarks

SAMPLE			SAMPLE DESCRIPTION	Recovery (%)	REMARKS
Sample	DEPTH (FT)	PID (ppm)			
	0-5	0.0 0.1 0.0	0-3' - Asphalt, gravel, stone 3-4' - Reddish brown (5YR 5/4) sand, poorly graded, subrounded, no odor or staining 4-5' - Brown (10YR 4/3) sand, poorly graded, subrounded, no odor or staining	50%	
X	5-10	0.0 7.2 29.9	5-7' - Brown (10YR 4/3) sand, poorly graded, subrounded, no odor or staining 7-8' - Gray (10YR 6/1) silty clay, medium stiffness and plasticity, TAR material, odor and staining. 8-10' - Gray (10YR 6/1) silty clay with red streaks, medium stiffness and plasticity, no odor or staining.	100%	Sample at 7-7.5 ft bgs
	10-5	18.0 6.1 2.8	10-11' - Very dark gray (10YR 3/1) silty clay, medium stiffness and plasticity, no odor or staining. 11-15' - Gray (10YR 6/1) silty clay, medium stiffness and plasticity, no odor or staining.	100%	EOB: 15 ft bgs

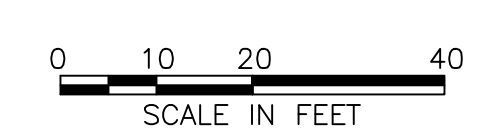
PLATE NO:



N.J. PLANE COORDINATE SYSTEM (NAD83)

**LEGEND**

- DB PDI BORING 2020
- DB PDI BORING 2020 WITH PRODUCT
- DB PDI BORING 2002-2009
- DB PDI BORING 2002-2009 WITH PRODUCT
- DB PDI BORING 2019
- WELL 2002-2011
- WELL 2002-2011 WITH PRODUCT



<b>REV / ISSUE</b>	<b>DATE</b>	<b>DESCRIPTION</b>	<b>CONSULTANT</b>	<b>CONSULTANT</b>	<b>ORIENTATION / KEY PLAN</b>	<p style="font-size: 8px;">PAULIUS, SOKOLOWSKI AND SARTOR, LLC 67A MOUNTAIN BLVD EXT. P.O. BOX 4039 WARREN, NEW JERSEY 07059 PHONE: (732) 560-9700 CERTIFICATE OF AUTHORIZATION NO. 245A28032700</p>	<p>ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULIUS, SOKOLOWSKI AND SARTOR, LLC OF ANY CONFLICTS, ERRORS, OMISSIONS OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION.</p> <p>ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT PROJECT AND CLIENT. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THIS PROJECT OR FOR REUSE ON ANY OTHER PROJECT.</p> <p>THE COPYING AND/OR MODIFICATION OF THIS DOCUMENT OR ANY PORTION THEREOF WITHOUT THE WRITTEN PERMISSION OF PAULIUS, SOKOLOWSKI AND SARTOR, LLC IS PROHIBITED.</p> <p>UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUE," THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS DEPICTED HEREIN. CONTRACTORS SHALL NOTIFY THE DESIGN ENGINEER TO OBTAIN CONSTRUCTION DOCUMENTS.</p> <p style="font-size: 6px;">COPYRIGHT 2019 PAULIUS, SOKOLOWSKI AND SARTOR, LLC. ALL RIGHTS RESERVED.</p>	<b>CLIENT</b>	<b>PROJECT</b>	<b>SHEET TITLE</b>	<b>PROJECT NO.:</b>
							PUBLIC SERVICE ELECTRIC AND GAS	FORMER CAMDEN COKE PLANT SOUTH JERSEY PORT CORPORATION PRE-DESIGN INVESTIGATION	FIGURE 2 SJPC NORTH AREA SOIL BORING MAP	013150622	
										DATE: 10/26/20 DRAWN BY: JSS CHECKED BY: SCALE: AS SHOWN SHEET OF SHEET NO. 2	