Table 5 - Sediment Analytical Data - Berths 1A, 2A, 2B Basin, 3A, 3B, 3C and Intake RW7 - SVOCs, Metals and Wet Chemistry
Energy Transfer - Marcus Hook Terminal
August 2023

Client ID	DNREC	MHT-RW7-SAMPLE A			MHT-3C-COMP B			MHT-3A-COMP C			MHT-3A-COMP C-DUP			MHT-3B-SAMPLE D		
Lab Sample ID	HSCA	180-161013-2			180-160903-3			180-160903-1			180-160903-2			180-161013-1		
Sampling Date	Soil Screening	08/16/2023 12:45:00			08/15/2023 13:35:00			08/15/2023 12:45:00			08/15/2023 12:50:00			08/16/2023 12:20:00		
	mg/kg															
SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
1,1'-Biphenyl	4.7	ND	UJ	0.016	ND	UJ	0.017	ND	UJ	0.017	ND	UJ	0.019	ND	UJ	0.016
2,2'-oxybis[1-chloropropane]	NA	ND	U	0.0033	ND	U	0.0034	ND	U	0.0035	ND	U	0.0038	ND	U	0.0033
2,4,5-Trichlorophenol	630	ND	U	0.016	ND	UJ	0.016	ND	UJ	0.016	ND	UJ	0.018	ND	UJ	0.015
2,4,6-Trichlorophenol	6.3	ND	U	0.015	ND	UJ	0.015	ND	UJ	0.015	ND	UJ	0.017	ND	UJ	0.014
2,4-Dichlorophenol	19	ND	U	0.0035	ND	U	0.0035	ND	U	0.0036	ND	U	0.0039	ND	U	0.0034
2,4-Dimethylphenol	130	ND	U	0.015	ND	U	0.015	ND	U	0.016	ND	U	0.017	ND	U	0.015
2,4-Dinitrophenol	13	ND	U	0.28	ND	U	0.28	ND	U	0.29	ND	U	0.32	ND	U	0.27
2,4-Dinitrotoluene	1.7	ND	U	0.027	ND	U	0.027	ND	U	0.028	ND	U	0.03	ND	U	0.026
2-Chloronaphthalene	NA	ND	UJ	0.0021	ND	UJ	0.0021	ND	UJ	0.0021	ND	UJ	0.0023	ND	UJ	0.002
2-Chlorophenol	39	ND	U	0.016	ND	U	0.017	ND	U	0.017	ND	U	0.019	ND	U	0.016
2-Methylnaphthalene	24	0.0063	J	0.0022	ND	UJ	0.0022	ND	UJ	0.0022	ND	UJ	0.0024	ND	UJ	0.0021
2-Methylphenol	NA	ND	U	0.013	ND	U	0.013	ND	U	0.013	ND	U	0.015	ND	U	0.013
2-Nitroaniline	63	ND	U	0.02	ND	U	0.021	ND	U	0.021	ND	U	0.023	ND	U	0.02
2-Nitrophenol	NA	ND	U	0.017	ND	U	0.017	ND	U	0.017	ND	U	0.019	ND	U	0.016
3,3'-Dichlorobenzidine	1.2	ND	U	0.042	ND	U	0.043	ND	U	0.044	ND	U	0.048	ND	U	0.041
3-Nitroaniline	NA	ND	U	0.011	ND	U	0.012	ND	U	0.012	ND	U	0.013	ND	U	0.011
4,6-Dinitro-2-methylphenol	NA	ND	U	0.078	ND	U	0.079	ND	U	0.081	ND	U	0.088	ND	U	0.076
4-Bromophenyl phenyl ether	NA	ND	UJ	0.019	ND	UJ	0.019	ND	UJ	0.02	ND	UJ	0.022	ND	UJ	0.019
4-Chloro-3-methylphenol	NA	ND	U	0.016	ND	U	0.016	ND	U	0.016	ND	U	0.018	ND	U	0.015
4-Chloroaniline	2.7	ND	UJ	0.012	ND	UJ	0.012	ND	UJ	0.012	ND	UJ	0.013	ND	UJ	0.011
4-Chlorophenyl phenyl ether	NA	ND	UJ	0.015	ND	UJ	0.015	ND	UJ	0.016	ND	UJ	0.017	ND	UJ	0.015
4-Methylphenol	NA	0.024	J	0.013	ND	U	0.013	ND	U	0.014	ND	U	0.015	0.037	J	0.013
4-Nitroaniline	2.5	ND	U	0.017	ND	U	0.017	ND	U	0.017	ND	U	0.019	ND	U	0.016
4-Nitrophenol	NA	ND	UJ	0.032	ND	UJ	0.032	ND	UJ	0.033	ND	UJ	0.036	ND	UJ	0.031
Acenaphthene	360	0.033	J	0.0026	ND	UJ	0.0026	ND	UJ	0.0027	ND	UJ	0.0029	ND	UJ	0.0025
Acenaphthylene	NA	0.012	J	0.002	ND	UJ	0.002	ND	UJ	0.002	ND	UJ	0.0022	0.0042	J	0.0019
Acetophenone	780	ND	U	0.016	ND	U	0.016	ND	U	0.017	ND	U	0.018	ND	U	0.015
Anthracene	1800	0.041	J	0.0023	ND	UJ	0.0024	ND	UJ	0.0024	ND	UJ	0.0026	0.0062	J	0.0023
Atrazine	2.4	ND	U	0.02	ND	U	0.02	ND	U	0.02	ND	U	0.022	ND	U	0.019
Benzaldehyde	170	ND	U	0.0056	ND	U	0.0057	ND	U	0.0058	ND	U	0.0063	ND	U	0.0054
Benzo[a]anthracene	1.1	0.12		0.0041	0.0074		0.0041	ND	U	0.0042	0.013		0.0046	0.019		0.0039
Benzo[a]pyrene	0.57	0.05	J	0.0039	0.0068	J	0.004	ND	UJ	0.0041	0.013	J	0.0044	0.018	J	0.0038
Benzo[b]fluoranthene	0.42	0.094	J	0.0022	0.0078	J	0.0022	ND	UJ	0.0023	0.014	J	0.0025	0.022	J	0.0021
Benzo[g,h,i]perylene	NA	0.034	J	0.0019	0.0051	J	0.002	ND	UJ	0.002	0.012	J	0.0022	0.017	J	0.0019
Benzo[k]fluoranthene	11	0.035	J	0.0027	ND	UJ	0.0027	ND	UJ	0.0028	0.0064	J	0.0031	0.009	J	0.0026
Bis(2-chloroethoxy)methane	19	ND	UJ	0.016	ND	UJ	0.017	ND	UJ	0.017	ND	UJ	0.019	ND	UJ	0.016
Bis(2-chloroethyl)ether	0.23	ND	U	0.0016	ND	U	0.0017	ND	U	0.0017	ND	U	0.0018	ND	U	0.0016
Bis(2-ethylhexyl) phthalate	NA	ND	U	0.048	ND	U	0.049	ND	U	0.05	ND	U	0.054	ND	U	0.047
Butyl benzyl phthalate	290	ND	U	0.031	ND	U	0.032	ND	U	0.032	ND	U	0.035	ND	U	0.03
Caprolactam	3100	ND	U	0.029	ND	U	0.03	ND	U	0.031	ND	U	0.033	ND	U	0.029
Carbazole	NA	0.045	J	0.0021	ND	UJ	0.0021	ND	UJ	0.0022	ND	UJ	0.0024	ND	UJ	0.002
Chrysene	110	0.55	J	0.005	0.0063	J	0.0051	ND	UJ	0.0052	0.017	J	0.0057	0.023	J	0.0048
Dibenz(a,h)anthracene	0.17	0.0097	J	0.0058	ND	UJ	0.0059	ND	UJ	0.006	ND	UJ	0.0065	ND	UJ	0.0056

Table 5 - Sediment Analytical Data - Berths 1A, 2A, 2B Basin, 3A, 3B, 3C and Intake RW7 - SVOCs, Metals and Wet Chemistry
Energy Transfer - Marcus Hook Terminal
August 2023

Client ID	DNREC	MHT-RW7-SAMPLE A			MHT-3C-COMP B			MHT-3A-COMP C			MHT-3A-COMP C-DUP			MHT-3B-SAMPLE D		
Lab Sample ID	HSCA	180-161013-2			180-160903-3			180-160903-1			180-160903-2			180-161013-1		
Sampling Date	Soil Screening	08/16/2023 12:45:00			08/15/2023 13:35:00			08/15/2023 12:45:00			08/15/2023 12:50:00			08/16/2023 12:20:00		
	mg/kg															
Dibenzofuran	NA	0.026	J	0.016	ND	UJ	0.017	ND	UJ	0.017	ND	UJ	0.019	ND	J	0.016
Diethyl phthalate	5100	ND	UJ	0.016	ND	UJ	0.016	ND	UJ	0.016	ND	UJ	0.018	ND	UJ	0.015
Dimethyl phthalate	780	ND	UJ	0.018	ND	UJ	0.018	ND	UJ	0.018	ND	UJ	0.02	ND	UJ	0.017
Di-n-butyl phthalate	630	ND	UJ	0.02	ND	UJ	0.02	ND	UJ	0.02	ND	UJ	0.022	ND	UJ	0.019
Di-n-octyl phthalate	NA	ND	U	0.026	ND	U	0.027	ND	U	0.027	ND	U	0.03	ND	U	0.025
Fluoranthene	240	0.58	J	0.0024	0.011	J	0.0024	0.0068	J	0.0025	0.019	J	0.0027	0.03	J	0.0023
Fluorene	240	0.032	J	0.0018	ND	UJ	0.0018	ND	UJ	0.0018	ND	UJ	0.002	ND	UJ	0.0017
Hexachlorobenzene	0.078	ND	UJ	0.0032	ND	UJ	0.0033	ND	UJ	0.0034	ND	UJ	0.0037	ND	UJ	0.0031
Hexachlorobutadiene	1.2	ND	UJ	0.0026	ND	UJ	0.0027	ND	UJ	0.0027	ND	UJ	0.003	ND	UJ	0.0026
Hexachlorocyclopentadiene	0.18	ND	U	0.0046	ND	U	0.0047	ND	U	0.0048	ND	U	0.0052	ND	U	0.0045
Hexachloroethane	1.8	ND	U	0.016	ND	U	0.016	ND	U	0.016	ND	U	0.018	ND	U	0.015
Indeno[1,2,3-cd]pyrene	1.3	0.028	J	0.0045	0.0046	J	0.0046	ND	J	0.0047	0.0079	J	0.0051	0.014	J	0.0044
Isophorone	570	ND	U	0.017	ND	U	0.017	ND	U	0.018	ND	U	0.019	ND	U	0.016
Naphthalene	2	0.0091	J	0.0018	ND	UJ	0.0018	ND	UJ	0.0018	ND	UJ	0.002	0.0036	J	0.0017
Nitrobenzene	5.1	ND	U	0.016	ND	U	0.017	ND	U	0.017	ND	U	0.019	ND	U	0.016
N-Nitrosodi-n-propylamine	0.078	ND	U	0.003	ND	U	0.0031	ND	U	0.0032	ND	U	0.0035	ND	U	0.003
N-Nitrosodiphenylamine	110	ND	U	0.015	ND	U	0.015	ND	U	0.016	ND	U	0.017	ND	U	0.015
Pentachlorophenol	1	ND	U	0.072	ND	U	0.074	ND	U	0.075	ND	U	0.082	ND	U	0.07
Phenanthrene	180	0.51	J	0.0024	0.0047	J	0.0025	0.003	J	0.0025	0.0084	J	0.0027	0.011	J	0.0023
Phenol	1900	ND	U	0.014	ND	U	0.014	ND	U	0.014	ND	U	0.015	ND	U	0.013
Pyrene	180	0.36	J	0.0021	0.0093	J	0.0022	0.0058	J	0.0022	0.017	J	0.0024	0.028	J	0.0021
Total Conc	NA	2.5991			0.063			0.0156			0.1277			0.242		
METALS (mg/kg)																
Aluminum	51200	14000	J	6.1	18000	J	10	16000	J	9.9	16000	J	7.5	14000	J	6.1
Antimony	13	0.32	J	0.15	0.34	J	0.26	0.38	J	0.25	0.3	J	0.19	0.43	J	0.15
Arsenic	11	14	J	0.084	15	J	0.14	14	J	0.14	14	J	0.1	13	J	0.083
Barium	1500	140	J	0.89	150	J	1.5	140	J	1.4	140	J	1.1	160	J	0.88
Beryllium	16	0.93	J	0.1	1.2	J	0.17	0.95	J	0.17	1.1	J	0.13	1.1	J	0.1
Cadmium	0.71	0.64	J	0.081	0.75	J	0.13	0.63	J	0.13	0.79	J	0.1	0.92	J	0.08
Calcium	NA	4600	J	30	5200	J	49	4700	J	48	4600	J	36	4700	J	29
Chromium	214	46	J	0.26	53	J	0.43	48	J	0.42	49	J	0.32	47	J	0.26
Cobalt	34	15	J	0.052	17	J	0.087	15	J	0.084	16	J	0.064	17	J	0.052
Copper	310	36	J	0.3	46	J	0.5	34	J	0.48	39	J	0.37	45	J	0.3
Iron	74767	31000	J	6.9	36000	J	12	32000	J	11	33000	J	8.5	33000	J	6.9
Lead	400	49	J	0.096	54	J	0.16	49	J	0.15	54	J	0.12	60	J	0.095
Magnesium	NA	5700	J	6.6	6800	J	11	6000	J	11	6100	J	8.1	5600	J	6.5
Manganese	2100	1500	J	0.62	1800	J	1	1900	J	1	1600	J	0.76	1500	J	0.62
Mercury	1.1	0.2	J	0.028	0.17	J	0.029	0.16	J	0.03	0.18	J	0.032	0.24	J	0.026
Nickel	93000	28	J	0.14	33	J	0.23	29	J	0.22	30	J	0.17	31	J	0.13
Potassium	NA	2200	J	21	2600	J	35	2500	J	34	2400	J	26	2100	J	21
Selenium	39	0.63	J	0.18	0.86	J	0.29	0.71	J	0.29	0.68	J	0.22	0.78	J	0.17
Silver	39	0.29	J	0.041	0.31	J	0.067	0.3	J	0.066	0.32	J	0.05	0.37	J	0.04
Sodium	NA	430	J	37	650	J	62	490	J	60	490	J	46	350	J	37
Thallium	NA	0.2	J	0.1	0.22	J	0.17	0.22	J	0.16	0.24	J	0.12	0.22	J	0.1
Vanadium	134	39	J	0.14	45	J	0.23	41	J	0.22	42	J	0.17	39	J	0.13
Zinc	2300	210	J	0.7	240	J	1.2	210	J	1.1	230	J	0.86	260	J	0.69

Table 5 - Sediment Analytical Data - Berths 1A, 2A, 2B Basin, 3A, 3B, 3C and Intake RW7 - SVOCs, Metals and Wet Chemistry
Energy Transfer - Marcus Hook Terminal
August 2023

Client ID	DNREC	MHT-RW7-SAMPLE A			MHT-3C-COMP B			MHT-3A-COMP C			MHT-3A-COMP C-DUP			MHT-3B-SAMPLE D		
Lab Sample ID	HSCA	180-161013-2			180-160903-3			180-160903-1			180-160903-2			180-161013-1		
Sampling Date	Soil Screening	08/16/2023 12:45:00			08/15/2023 13:35:00			08/15/2023 12:45:00			08/15/2023 12:50:00			08/16/2023 12:20:00		
	mg/kg															
WET CHEMISTRY (mg/kg)																
Cr (III) (mg/kg)	12000	46	J	0.21	53	J	0.21	48	J	0.21	49	J	0.21	47	J	0.21
Cr (VI) (mg/kg)	0.3	ND	UJ	0.57	ND	UJ	0.58	ND	UJ	0.60	ND	UJ	0.64	ND	UJ	0.56
Cyanide, Total (mg/kg)	2.3	0.66	J	0.50	0.58	J	0.44	0.76	J	0.54	0.82	J	0.51	0.86	J	0.43
Sulfide (mg/kg)	NA	110	J	27	57	J	27	36	J	28	49	J	31	44	J	26
Total Organic Carbon (mg/kg)	NA	32000	J	2600	35000	J	2700	34000	J	2700	37000	J	3000	43000	J	2600

Notes:
% = Percent
Comp = Composite Sample
mg/kg = milligrams/kilogram
NA = No Criteria specified in current NJ SRS
Q = Qualifier
MDL = Method Detection Limi

Qualifier Definition:
J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). These results should be considered estim
U - The compound was analyzed for but not detected.
N - Presumtively detected
Shading indicates the detected concentration exceeds current DNREC HSCA Soil Screening Levels.

Criteria Source:
DNREC, Hazardous Substance Cleanup Act, Screening Level Table Guidance, Revised November 2023

Table 5 - Sediment Analytical Data - Berths 1A, 2A, 2B Basin, 3A, 3B, 3C and Intake RW7 - SVOCs, Metals and Wet Chemistry
Energy Transfer - Marcus Hook Terminal
August 2023

Client ID	DNREC	MHT-2A-COMP E			MHT-2B-SAMPLE F			MHT-1A-COMP G			MHT-1A-COMP H		
Lab Sample ID	HSCA	180-160903-5			180-160903-4			180-161013-4			180-161013-3		
Sampling Date	Soil Screening	08/15/2023 11:20:00			08/15/2023 11:45:00			08/16/2023 11:00:00			08/16/2023 11:55:00		
	mg/kg												
SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)		Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
1,1'-Biphenyl	4.7	ND	UJ	0.017	ND	UJ	0.016	ND	UJ	0.017	ND	UJ	0.017
2,2'-oxybis[1-chloropropane]	NA	ND	U	0.0035	ND	U	0.0033	ND	U	0.0035	ND	U	0.0034
2,4,5-Trichlorophenol	630	ND	UJ	0.016	ND	UJ	0.015	ND	UJ	0.016	ND	UJ	0.016
2,4,6-Trichlorophenol	6.3	ND	UJ	0.016	ND	UJ	0.015	ND	UJ	0.015	ND	UJ	0.015
2,4-Dichlorophenol	19	ND	U	0.0037	ND	U	0.0034	ND	U	0.0036	ND	U	0.0035
2,4-Dimethylphenol	130	ND	U	0.016	ND	U	0.015	ND	U	0.016	ND	U	0.015
2,4-Dinitrophenol	13	ND	U	0.29	ND	U	0.28	ND	U	0.29	ND	U	0.28
2,4-Dinitrotoluene	1.7	ND	U	0.028	ND	U	0.027	ND	U	0.028	ND	U	0.027
2-Chloronaphthalene	NA	ND	UJ	0.0022	ND	UJ	0.002	ND	UJ	0.0021	ND	UJ	0.0021
2-Chlorophenol	39	ND	U	0.017	ND	U	0.016	ND	U	0.017	ND	U	0.017
2-Methylnaphthalene	24	ND	UJ	0.0023	ND	UJ	0.0021	0.0031	J	0.0022	ND	UJ	0.0022
2-Methylphenol	NA	ND	U	0.014	ND	U	0.013	ND	U	0.013	ND	U	0.013
2-Nitroaniline	63	ND	U	0.022	ND	U	0.02	ND	U	0.021	ND	U	0.021
2-Nitrophenol	NA	ND	U	0.017	ND	U	0.016	ND	U	0.017	ND	U	0.017
3,3'-Dichlorobenzidine	1.2	ND	U	0.044	ND	U	0.042	ND	U	0.043	ND	U	0.042
3-Nitroaniline	NA	ND	U	0.012	ND	U	0.011	ND	U	0.012	ND	U	0.012
4,6-Dinitro-2-methylphenol	NA	ND	U	0.082	ND	U	0.077	ND	U	0.08	ND	U	0.078
4-Bromophenyl phenyl ether	NA	ND	UJ	0.02	ND	UJ	0.019	ND	UJ	0.02	ND	UJ	0.019
4-Chloro-3-methylphenol	NA	ND	U	0.017	ND	U	0.016	ND	U	0.016	ND	U	0.016
4-Chloroaniline	2.7	ND	UJ	0.012	ND	UJ	0.012	ND	UJ	0.012	ND	UJ	0.012
4-Chlorophenyl phenyl ether	NA	ND	UJ	0.016	ND	UJ	0.015	ND	UJ	0.015	ND	UJ	0.015
4-Methylphenol	NA	ND	U	0.014	ND	U	0.013	0.02	J	0.014	ND	U	0.013
4-Nitroaniline	2.5	ND	U	0.018	ND	U	0.016	ND	U	0.017	ND	U	0.017
4-Nitrophenol	NA	ND	UJ	0.033	ND	UJ	0.031	ND	UJ	0.033	ND	UJ	0.032
Acenaphthene	360	ND	UJ	0.0027	ND	UJ	0.0026	ND	UJ	0.0027	ND	UJ	0.0026
Acenaphthylene	NA	ND	J	0.0021	ND	J	0.002	0.0045	J	0.002	0.0041	J	0.002
Acetophenone	780	ND	U	0.017	ND	U	0.016	ND	U	0.016	ND	U	0.016
Anthracene	1800	0.0034	J	0.0025	0.003	J	0.0023	0.0074	J	0.0024	0.005	J	0.0024
Atrazine	2.4	ND	U	0.021	ND	U	0.02	ND	UJ	0.02	ND	U	0.02
Benzaldehyde	170	ND	U	0.0059	ND	U	0.0055	ND	UJ	0.0058	ND	U	0.0056
Benzo[a]anthracene	1.1	0.016		0.0043	0.0094		0.004	0.022		0.0042	0.017		0.0041
Benzo[a]pyrene	0.57	0.015	J	0.0041	0.01	J	0.0039	0.022	J	0.004	0.014	J	0.0039
Benzo[b]fluoranthene	0.42	0.017	J	0.0023	0.011	J	0.0022	0.026	J	0.0023	0.018	J	0.0022
Benzo[g,h,i]perylene	NA	0.015	J	0.0021	0.0091	J	0.0019	0.022	J	0.002	0.013	J	0.002
Benzo[k]fluoranthene	11	0.0066	J	0.0028	0.0034	J	0.0027	0.014	J	0.0028	0.0051	J	0.0027
Bis(2-chloroethoxy)methane	19	ND	UJ	0.017	ND	UJ	0.016	ND	UJ	0.017	ND	UJ	0.017
Bis(2-chloroethyl)ether	0.23	ND	U	0.0017	ND	U	0.0016	ND	U	0.0017	ND	U	0.0016
Bis(2-ethylhexyl) phthalate	NA	ND	U	0.051	ND	U	0.048	ND	U	0.05	ND	U	0.048
Butyl benzyl phthalate	290	ND	U	0.033	ND	U	0.031	ND	U	0.032	ND	U	0.031
Caprolactam	3100	ND	U	0.031	ND	U	0.029	ND	U	0.03	ND	U	0.03
Carbazole	NA	ND	UJ	0.0022	ND	UJ	0.0021	ND	UJ	0.0022	ND	UJ	0.0021
Chrysene	110	0.018	J	0.0053	0.013	J	0.0049	0.028	J	0.0052	0.02	J	0.005
Dibenz(a,h)anthracene	0.17	ND	UJ	0.0061	ND	UJ	0.0057	ND	UJ	0.006	ND	UJ	0.0058

Table 5 - Sediment Analytical Data - Berths 1A, 2A, 2B Basin, 3A, 3B, 3C and Intake RW7 - SVOCs, Metals and Wet Chemistry
Energy Transfer - Marcus Hook Terminal
August 2023

Client ID	DNREC	MHT-2A-COMP E			MHT-2B-SAMPLE F			MHT-1A-COMP G			MHT-1A-COMP H		
Lab Sample ID	HSCA	180-160903-5			180-160903-4			180-161013-4			180-161013-3		
Sampling Date	Soil Screening	08/15/2023 11:20:00			08/15/2023 11:45:00			08/16/2023 11:00:00			08/16/2023 11:55:00		
	mg/kg												
Dibenzofuran	NA	ND	UJ	0.017	ND	UJ	0.016	ND	UJ	0.017	ND	UJ	0.017
Diethyl phthalate	5100	ND	UJ	0.017	ND	UJ	0.016	ND	UJ	0.016	ND	UJ	0.016
Dimethyl phthalate	780	ND	UJ	0.019	ND	UJ	0.018	ND	UJ	0.018	ND	UJ	0.018
Di-n-butyl phthalate	630	ND	UJ	0.021	ND	UJ	0.02	ND	UJ	0.02	ND	UJ	0.02
Di-n-octyl phthalate	NA	ND	U	0.028	ND	U	0.026	ND	U	0.027	ND	U	0.026
Fluoranthene	240	0.026	J	0.0025	0.016	J	0.0024	0.04	J	0.0025	0.029	J	0.0024
Fluorene	240	ND	UJ	0.0019	ND	UJ	0.0017	0.0027	J	0.0018	0.0023	J	0.0018
Hexachlorobenzene	0.078	ND	UJ	0.0034	ND	UJ	0.0032	ND	UJ	0.0033	ND	UJ	0.0033
Hexachlorobutadiene	1.2	ND	UJ	0.0028	ND	UJ	0.0026	ND	UJ	0.0027	ND	UJ	0.0027
Hexachlorocyclopentadiene	0.18	ND	U	0.0049	ND	U	0.0046	ND	UJ	0.0048	ND	U	0.0046
Hexachloroethane	1.8	ND	U	0.017	ND	U	0.016	ND	U	0.016	ND	U	0.016
Indeno[1,2,3-cd]pyrene	1.3	0.012	J	0.0047	0.007	J	0.0044	0.017	J	0.0046	0.013	J	0.0045
Isophorone	570	ND	U	0.018	ND	U	0.017	ND	UJ	0.017	ND	U	0.017
Naphthalene	2	ND	UJ	0.0019	ND	UJ	0.0017	0.0056	J	0.0018	0.0041	J	0.0018
Nitrobenzene	5.1	ND	U	0.017	ND	U	0.016	ND	U	0.017	ND	U	0.017
N-Nitrosodi-n-propylamine	0.078	ND	U	0.0032	ND	U	0.003	ND	U	0.0032	ND	U	0.0031
N-Nitrosodiphenylamine	110	ND	U	0.016	ND	U	0.015	ND	U	0.015	ND	U	0.015
Pentachlorophenol	1	ND	U	0.076	ND	U	0.072	ND	U	0.075	ND	U	0.073
Phenanthrene	180	0.013	J	0.0025	0.007	J	0.0024	0.018	J	0.0025	0.013	J	0.0024
Phenol	1900	ND	U	0.014	ND	U	0.013	ND	U	0.014	ND	U	0.014
Pyrene	180	0.024	J	0.0023	0.015	J	0.0021	0.036	J	0.0022	0.025	J	0.0021
Total Conc	NA	0.166			0.1039			0.2883			0.1826		
METALS (mg/kg)													
Aluminum	51200	18000	J	11	15000	J	11	14000	J	6	15000	J	6.3
Antimony	13	0.47	J	0.28	0.39	J	0.28	0.42	J	0.15	0.37	J	0.16
Arsenic	11	14	J	0.16	12	J	0.15	12	J	0.082	12	J	0.087
Barium	1500	180	J	1.6	150	J	1.6	140	J	0.87	140	J	0.91
Beryllium	16	1.2	J	0.19	1.1	J	0.19	0.97	J	0.1	0.98	J	0.11
Cadmium	0.71	0.96	J	0.15	0.94	J	0.15	0.73	J	0.08	0.71	J	0.084
Calcium	NA	5600	J	55	4700	J	53	4200	J	29	4300	J	30
Chromium	214	55	J	0.48	48	J	0.47	45	J	0.25	48	J	0.27
Cobalt	34	18	J	0.097	15	J	0.094	15	J	0.051	16	J	0.054
Copper	310	46	J	0.55	43	J	0.54	36	J	0.29	38	J	0.31
Iron	74767	38000	J	13	34000	J	13	30000	J	6.8	31000	J	7.1
Lead	400	60	J	0.18	55	J	0.17	54	J	0.094	55	J	0.099
Magnesium	NA	6600	J	12	5700	J	12	5300	J	6.5	5800	J	6.8
Manganese	2100	1800	J	1.2	1100	J	1.1	1600	J	0.61	1800	J	0.64
Mercury	1.1	0.18	J	0.029	0.21	J	0.028	0.17	J	0.029	0.19	J	0.027
Nickel	93000	34	J	0.25	29	J	0.25	28	J	0.13	31	J	0.14
Potassium	NA	2700	J	39	2300	J	38	2000	J	21	2200	J	22
Selenium	39	0.85	J	0.33	0.79	J	0.32	0.64	J	0.17	0.72	J	0.18
Silver	39	0.35	J	0.075	0.33	J	0.073	0.34	J	0.04	0.32	J	0.042
Sodium	NA	490	J	69	460	J	67	400	J	36	390	J	38
Thallium	NA	0.23	J	0.19	0.21	J	0.18	0.18	J	0.1	0.2	J	0.1
Vanadium	134	46	J	0.25	39	J	0.25	37	J	0.13	41	J	0.14
Zinc	2300	270	J	1.3	250	J	1.3	220	J	0.69	220	J	0.72

Table 5 - Sediment Analytical Data - Berths 1A, 2A, 2B Basin, 3A, 3B, 3C and Intake RW7 - SVOCs, Metals and Wet Chemistry
Energy Transfer - Marcus Hook Terminal
August 2023

Client ID	DNREC	MHT-2A-COMP E			MHT-2B-SAMPLE F			MHT-1A-COMP G			MHT-1A-COMP H		
Lab Sample ID	HSCA	180-160903-5			180-160903-4			180-161013-4			180-161013-3		
Sampling Date	Soil Screening	08/15/2023 11:20:00			08/15/2023 11:45:00			08/16/2023 11:00:00			08/16/2023 11:55:00		
	mg/kg												
WET CHEMISTRY (mg/kg)													
Cr (III) (mg/kg)	12000	55	J	0.21	48	J	0.21	45	J	0.21	48	J	0.21
Cr (VI) (mg/kg)	0.3	ND	UJ	0.60	ND	UJ	0.56	ND	UJ	0.59	ND	UJ	0.58
Cyanide, Total (mg/kg)	2.3	0.74	J	0.57	0.74	J	0.50	0.81	J	0.54	0.74	J	0.43
Sulfide (mg/kg)	NA	ND	UJ	28	68	J	26	31	J	27	39	J	27
Total Organic Carbon (mg/kg)	NA	30000	J	2800	38000	J	2600	34000	J	2700	33000	J	2600

Notes:
% = Percent
Comp = Composite Sample
mg/kg = milligrams/kilogram
NA = No Criteria specified in current NJ SRS
Q = Qualifier
MDL = Method Detection Limi

Qualifier Definiti
J - The analyte wated.
U - The compoun
N - Presumtively
Shading indicates

Criteria Source:
DNREC, Hazardo