RETURN TO SER AR INDEX

Apex Companies, LLC.

184 HIGH STREET
SUITE 502
BOSTON MA 02110
(617) 728-0070

REVISIONS

#	DATE	DESCRIPTION
1	10/28/10	BORING PROG. & NUM.
2	11/22/10	BORINGS PLACED BY OUTFALL LOC.

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NOTES:

1. THE PROPOSED BORING LOCATIONS SHOWN HEREON ARE APPROXIMATE. ACTUAL LOCATIONS OF SAMPLES WILL VARY DURING THE SITE INVESTIGATION.
2. PROPERTY LINES AND OWNERSHIP SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON DATA PROVIDED BY THE ASSESSORS OFFICE OF THE CITY OF NEW BEDFORD.
3. BACKGROUND IMAGES SHOWN HEREON ARE PROVIDED COURTESY OF MASSGIS.
4. BORING LOCATIONS FROM PREVIOUS ENVIRONMENTAL INVESTIGATIONS ARE APPROXIMATE AND WERE SCALED INTO LOCATION FROM RECORD PLANS.
5. EXISTING AND POSSIBLE EXISTING STORM DRAIN AND COMBINED SEWER OVERFLOW (CSO) LOCATIONS AND SIZES SHOWN ARE FROM RECORD PLANS AND HAVE NOT BEEN FIELD VERIFIED.

HORIZONTAL DELINEATION (PEAT CORER) – PCBs VIA NOAA CONGENERS AT 1' INTERVALS– SURFACE SAMPLES ALSO RUN FOR 13 PRIORITY POLLUTANT METALS, SVOCS, AND TPH – PLUS WATER COLUMN TESTING

HORIZONTAL DELINEATION (PEAT CORER) – PCBs VIA NOAA CONGENERS AT 1' INTERVALS– SURFACE SAMPLES ALSO RUN FOR 13 PRIORITY POLLUTANT METALS, SVOCS, AND TPH

VERTICAL DELINEATION (VIBRACORE)–SAMPLES AT 1' INTERVALS FOR PCBs VIA NOAA CONGENERS, COPPER, CHROMIUM, AND ZINC

HORIZONTAL DELINEATION (PEAT CORER) – PCBs VIA NOAA CONGENERS AT 1' INTERVALS

PREPARED FOR:

THE NEW BEDFORD HARBOR DEVELOPMENT COMMISSION
NEW BEDFORD, MASSACHUSETTS

DRAWING TITLE:

SOUTH TERMINAL MARINE INFRASTRUCTURE PARK INTER–TIDAL AND SUB–TIDAL SAMPLING ASBUILT LOCATIONS PROGRESS PLAN

Scale: 1"=100'

0 50 100 200 300 FEET

Date	10/28/10
Proj. Mgr.	
Design	CWM
Check	JAB
Drawn	GCD
Job. No.	6615
Last Rev.	2/8/11

Drawing No.

FIG. 3

SDMS DocID 518613

Table 1A:
PCBs (26 NOAA Congeners) Water Column Analytical Data
South Terminal CDF
New Bedford, Massachusetts

		PCB Congeners - 18 NOAA Congeners Shaded Green (µg/L)																											
Sample Name	Collection Date	Cl2-BZ#5/#8	Cl3-BZ#18	Cl3-BZ#28/#31	Cl4-BZ#44	Cl4-BZ#43/#49	Cl4-BZ#52	Cl4-BZ#66	Cl5-BZ#77	Cl5-BZ#87	Cl5-BZ#101/#84	Cl5-BZ#105	Cl5-BZ#118	Cl7-BZ#126	Cl6-BZ#167/#128	Cl6-BZ#138/#163	Cl6-BZ#153	Cl7-BZ#156	Cl7-BZ#169	Cl7-BZ#170/#190	Cl7-BZ#180	Cl7-BZ#183	Cl7-BZ#184	Cl7-BZ#182/#187	Cl8-BZ#195	Cl9-BZ#206	Cl10-BZ#209	Total PCBs (Summation of all 26 NOAA Congeners analyzed) (µg/L)	Total PCBs (Summation of only the 18 NOAA Congeners - Shaded in Green) (µg/L)
PC13E_01A	12/15/2010	0.0011	0.0011	0.0027	0.001 U	0.0024	0.0045	0.001 U	0.001 U	0.001 U	0.0015	0.001 U	0.0012	0.001 U	0.001 U	0.0012	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0169	0.0145
PC13E_01B	12/15/2010	0.001 U	0.0011	0.0031	0.001 U	0.0028	0.0043	0.0012	0.001 U	0.001 U	0.0024	0.001 U	0.0014	0.001 U	0.001 U	0.0018	0.0014	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0195	0.0167
PC13E_01C	12/15/2010	0.001 U	0.0013	0.0046	0.0011	0.0033	0.0055	0.0018	0.001 U	0.001 U	0.0041	0.001	0.0035	0.001 U	0.001 U	0.0044	0.0031	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0337	0.0304
PC13E_02A	12/15/2010	0.001 U	0.0014	0.0085	0.001 U	0.0025	0.0049	0.0012	0.001 U	0.001 U	0.0018	0.001 U	0.0017	0.001 U	0.001 U	0.002	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0252	0.0227
PC13E_02B	12/15/2010	0.001 U	0.001 U	0.0031	0.001 U	0.0027	0.0048	0.001 U	0.001 U	0.001 U	0.0018	0.001 U	0.0015	0.001 U	0.001 U	0.0014	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0011	0.001 U	0.001 U	0.001 U	0.0176	0.0149
PC13E_02C	12/16/2010	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.0015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0027	0.0027
PC13E_03A	12/16/2010	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0025	0.0025
PC13E_03B	12/16/2010	0.001 U	0.001 U	0.0014	0.001 U	0.001 U	0.0019	0.001 U	0.001 U	0.001 U	0.0011	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0044	0.0044
PC13E_03C	12/16/2010	0.001 U	0.0012	0.0024	0.001 U	0.0016	0.0034	0.001 U	0.001 U	0.001 U	0.0014	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0100	0.0084
PC13E_04A	12/16/2010	0.001 U	0.0013	0.0019	0.001 U	0.0016	0.0029	0.001 U	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0090	0.0074
PC13E_04A_D	12/16/2010	0.001 U	0.001 U	0.0014	0.001 U	0.0014	0.0025	0.001 U	0.001 U	0.001 U	0.001	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0063	0.0049
PC13E_04B	12/16/2010	0.001 U	0.0011	0.0018	0.001 U	0.0017	0.0033	0.001 U	0.001 U	0.001 U	0.0015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0094	0.0077
PC13E_04C	12/16/2010	0.001 U	0.0013	0.0014	0.001 U	0.0014	0.0035	0.001 U	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0088	0.0074

Notes:
U = Concentration is below the laboratory's method detection limit. One half of the method detection limit is utilized in the summation.
Total PCB concentation is estimated by summing 18 specific NOAA Congeners (highlighted in green) or all 26 NOAA Congeners analyzed. If a constituent was not detected above the Reporting Limit, it was not added to the total.

Table 1B:
Semi-Volatile Organics Water Column Analytical Data
South Terminal CDF
New Bedford, Massachusetts

Semivolatile Organics (μg/L)

Sample Name	Collection Date	N-nitrosodimentylamine	phenol	2-chlorophenol	bis(2-chloroethyl)ether	1,3 diclorobenzene	1,4 diclorobenzene	1,2 diclorobenzene	benzyl alcohol	2-methylphenol (m-cresol)	bis(2-chloroisopropyl)ether	hexachloroethane	N-nitroso-di-n-propylamine	3-and 4- methylphenol (p- and o-cresol	nitrobenzene	isophorone	2-nitrophenol	2,4 dimethylphenol	bis(2-chloroethoxy)methane	2,4-dichlorophenol	2,6-dichlorophenol	1,2,4-trichlorobenzene	naphthalene	benzoic acid	4-chloroaniline
PC13E_01A	12/15/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_01B	12/15/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_01C	12/15/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_02A	12/15/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_02B	12/15/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_02C	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_03A	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_03B	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_03C	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_04A	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_04A_D	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_04B	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U
PC13E_04C	12/16/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U

Sample Name	Collection Date	hexachloro-1,3-butadiene	4-chloro-3-methylphenol	2-methylnaphthalene	haxachlorocyclopentadiene	2,4,6-trichlorophenol	2,4,5-trichlorophenol	2-chloronaphthalene	2-nitroaniline	acenaphthylene	dimethylphthalate	2,6- dinitrotoluene	2,4- dinitrotoluene	acenaphthene	3-nitroaniline	2,4-dinitrophenol	dibenzofuran	4-nitrophenol	fluorene	4-chlorophenyl phenyl ether	diethyl phthalate	4-nitroaniline	4,6-dinitro-2-methylphenol	4-bromophenyl-phenylether	N-nitrosodiphenylamine
PC13E_01A	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_01B	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_01C	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_02A	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_02B	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_02C	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_03A	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_03B	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_03C	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_04A	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_04A_D	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_04B	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U
PC13E_04C	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U

Sample Name	Collection Date	1,2-diphenylhydrazine (azobenzene)	4-bromophenyl phenyl ether	hexachlorobenzene	pentochlorophenol	phenanthrene	anthracene	carbazole	di-n-butylphthalate	fluoranthene	benzidine	pyrene	butylbenzylphthalate	benzo(a)anthracene	chrysene	3,3'-dichlorobenzidine	bis(2-ethylhexyl)phthalate	di-n-octylhthalate	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(a)pyrene	indeno(1,2,3-cd)pyrene	dibenz(a.h)anthracene	benzo(g,h,i)perylene
PC13E_01A	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	5.0	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_01B	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	8.3	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_01C	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	7.5	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_02A	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	3.0	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_02B	12/15/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	7.7	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_02C	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3 B	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_03A	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3 B	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_03B	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.5 B	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_03C	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.8	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_04A	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.4 B	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_04A_D	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.4 B	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_04B	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.2 B	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PC13E_04C	12/16/2010	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	2 U	0.5U	0.5U	0.5U	0.5U	0.5U	1.3 B	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Notes:
U = Concentration is below the laboratory's method detection limit.
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

Table 1C:
13 Priority Pollutant Metals Water Column Analytical Data
South Terminal CDF
New Bedford, Massachusetts

		13 Priority Pollutant Metals (mg/L)												
Sample Name	Collection Date	Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
PC13E_01A	12/15/2010	0.0005 U	0.002	0.0005 U	0.0028	0.001 U	0.0034	0.0012	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.027
PC13E_01B	12/15/2010	0.0005 U	0.002	0.0005 U	0.0023	0.001	0.0096	0.0054	0.00001 U	0.0025	0.001 U	0.0002 U	0.0002 U	0.046
PC13E_01C	12/15/2010	0.0005 U	0.001	0.0005 U	0.0005	0.001	0.0076	0.0055	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.02
PC13E_02A	12/15/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.003	0.0009	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.024
PC13E_02B	12/15/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0078	0.0015	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.024
PC13E_02C	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0019	0.0005 U	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.017
PC13E_03A	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0017	0.0005 U	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.021
PC13E_03B	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0016	0.0005 U	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.02
PC13E_03C	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0016	0.0005 U	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.02
PC13E_04A	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0017	0.0005 U	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.019
PC13E_04A_D	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0014	0.0005 U	0.00001 U	0.0006	0.001 U	0.0002 U	0.0002 U	0.02
PC13E_04B	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0015	0.0005 U	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.019
PC13E_04C	12/16/2010	0.0005 U	0.001	0.0005 U	0.0005 U	0.001 U	0.0015	0.0005 U	0.00001 U	0.0005 U	0.001 U	0.0002 U	0.0002 U	0.019

Notes:

U = below quntitation limit

Table 1D:
Total Petroleum Hydrocarbons Water Column Analytical Data
South Terminal CDF
New Bedford, Massachusetts

Total Petroleum Hydrocarbons (µg/L)

Sample Name	Collection Date	Diesel Range Organics	Lube Oil Organics	Total Petroleum Hydrocarbons
PC13E_01A	12/15/2010	50 U	50 U	50 U
PC13E_01B	12/15/2010	50 U	50 U	50 U
PC13E_01C	12/15/2010	50 U	50 U	50 U
PC13E_02A	12/15/2010	50 U	50 U	50 U
PC13E_02B	12/15/2010	50 U	50 U	50 U
PC13E_02C	12/16/2010	50 U	50 U N1	80 U N1
PC13E_03A	12/16/2010	60 U	60 U N1	60 U N1
PC13E_03B	12/16/2010	80 U	80 U N1	80 U N1
PC13E_03C	12/16/2010	50 U	150 U N1	150 U N1
PC13E_04A	12/16/2010	50 U	90 U N1	90 U N1
PC13E_04A_D	12/16/2010	50 U	90 U N1	90 U N1
PC13E_04B	12/16/2010	50 U	90 U N1	90 U N1
PC13E_04C	12/16/2010	50 U	70 U N1	70 U N1

Notes:

U = below quntitation limit

N1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

Table 2A:
PCBs (26 NOAA Congeners) Sediment Analytical Data
South Terminal CDF
New Bedford, Massachusetts

		PCB Congeners - 18 NOAA Congeners Shaded Green (µg/kg)																										
Sample Name	Collection Date	Cl2-BZ#5/#8	Cl3-BZ#18	Cl3-BZ#28/#31	Cl4-BZ#44	Cl4-BZ#43/#49	Cl4-BZ#52	Cl4-BZ#66	Cl5-BZ#77	Cl5-BZ#87	Cl5-BZ#101/#84	Cl5-BZ#105	Cl5-BZ#118	Cl7-BZ#126	Cl6-BZ#167/#128	Cl6-BZ#138/#163	Cl6-BZ#153	Cl7-BZ#156	Cl7-BZ#169	Cl7-BZ#170/#190	Cl7-BZ#180	Cl7-BZ#183	Cl7-BZ#184	Cl7-BZ#182/#187	Cl8-BZ#195	Cl9-BZ#206	Cl10-BZ#209	Estimate of Total PCBs (Summation of 18 NOAA Congeners Multiplied by a Harbor Specific Correction of 2.6) (mg/kg)
NBH_PH4SAP_PC13E_02D	12/16/2010	92	110	410	110	250	320	390	37	140	370	140	410	2.1 U	73	330	220	31	2.1 U	32	35	14	2.1 U	27	3.6	3	2.1 U	8.0
NBH_PH4SAP_PC13E_03D	12/16/2010	2.8	10	29	10	22	44	21	0.39 U	28	77	25	65	0.39 U	15	52	46	4.2	0.39 U	4.7	6.8	1.9	0.39 U	3.4	0.39 U	1.5	1.1	1.1
NBH_PH4SAP_PC13E_04D	12/16/2010	140	180	670	120	360	430	540	58	210	500	170	670	12	110	500	310	39	2.8 U	47	57	20	2.8 U	41	4.7	4.2	2.8 U	11.7
NBH_PH4SAP_PC13E_01D	12/17/2010	65	81	440	77	280	330	240	32	140	330	140	390	2.4 U	88	340	270	32	2.4 U	49	44	17	2.4 U	41	3.2	4	3	7.6
NBH_PH4SAP_PC13_01A	12/17/2010	69	85	350	81	240	320	310	39	150	360	130	410	1.8 U	95	330	260	33	1.8 U	39	42	17	1.8 U	34	3	3.4	1.8 U	7.6
NBH_PH4SAP_PC13_03A	12/17/2010	58	71	290	67	200	270	260	32	120	300	110	350	1.5 U	79	270	220	27	1.5 U	33	35	14	1.5 U	28	2.5	2.9	1.5 U	6.4
NBH_PH4SAP_PC13_08A	12/17/2010	160	180	770	140	420	480	610	79	270	680	270	790	3 U	160	610	420	66	3 U	66	67	26	3 U	53	4.4	3.8	3 U	14.2
NBH_PH4SAP_PC13_14A	12/17/2010	20	29	150	23	110	120	95	14	46	130	33	160	2.4	27	120	97	12	0.78 U	14	16	6.1	0.78 U	13	1.2	1.3	0.78 U	2.7
NBH_PH4SAP_PC13E_02A	12/21/2010	45	48	280	39	180	210	130	19	67	210	79	270	10	60	240	190	21	1.3 U	27	29	11	1.3 U	27	2.2	2.8	1.3 U	4.9
NBH_PH4SAP_PC13_02A	12/21/2010	8.7	12	43	9.6	37	54	30	4.1	14	37	11	47	1.7	9.8	44	31	3	0.43 U	4.9	4.8	1.9	0.43 U	4.1	0.43 U	0.43 U	0.43 U	0.91
NBH_PH4SAP_PC13_04A	12/21/2010	1.1	2.9	11	2.2	8	12	7.9	1.1	5.2	13	4.6	15	0.31 U	3.6	14	9	1.3	0.31 U	1.2	1.5	0.62	0.31 U	1.4	0.31 U	0.31 U	0.31 U	0.26
NBH_PH4SAP_PC13_07A	12/21/2010	5.9	7.9	32	5.6	19	29	20	2.4	11	27	10	32	0.36 U	6.7	30	20	2.1	0.36 U	3.1	3.3	1.2	0.36 U	3.2	0.36 U	0.36 U	0.36 U	0.61
NBH_PH4SAP_PC13_23A	12/21/2010	0.33 U	1.1	6	1.5	5.4	7.2	3.7	0.33 U	1.5	6.9	1.8	5.7	0.33 U	1.5	5.9	4.7	0.33 U	0.33 U	0.46	0.96	0.33 U	0.33 U	0.65	0.33 U	0.33 U	0.33 U	0.13
NBH_PH4SAP_PC13_32A	12/21/2010	0.38 U	1.2	3.6	0.97	3.8	4.2	3.9	0.38 U	2.2	6.4	2.5	9	0.38 U	2.4	8.5	5.0	0.73	0.38 U	1	1	0.4	0.38 U	0.78	0.38 U	0.38 U	0.38 U	0.13
NBH_PH4SAP_PC13_33A	12/21/2010	0.89	8.6	20.0	5.8	23	32	12	0.62	8.8	33	8.5	27	0.34 U	5.1	23	20	1.6	0.34 U	2.1	3.4	0.93	0.34 U	2.1	0.34 U	0.34 U	0.34 U	0.53

Notes:
U = Concentration is below the laboratory's method detection limit. One half of the method detection limit is utilized in the summation.
Total PCB concentation is estimated by summing 18 specific NOAA Congeners and multiplying by a Harbor Specific Correction factor of 2.6.
This harbor-specific correction is based upon a statistical analysis conducted by USEPA within New Bedford Harbor.

Table 2B:
Semi-Volatile Organics Sediment Analytical Data
South Terminal CDF
New Bedford, Massachusetts

Semivolatile Organics (μg/L)

Sample Name	Collection Dat	N-nitrosodimentylamine	phenol	2-chlorophenol	bis(2-chloroethyl)ether	1,3 diclorobenzene	1,4 diclorobenzene	1,2 diclorobenzene	benzyl alcohol	2-methylphenol (m-cresol)	bis(2-chloroisopropyl)ether	hexachloroethane	N-nitroso-di-n-propylamine	3-and 4- methylphenol (p- and o-cresol	nitrobenzene	isophorone	2-nitrophenol	2,4 dimethylphenol	bis(2-chloroethoxy)methane	2,4-dichlorophenol	2,6-dichlorophenol	1,2,4-trichlorobenzene	naphthalene	benzoic acid	4-chloroaniline
NBH_PH4SAP_PC13E_02D	12/16/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U
NBH_PH4SAP_PC13E_03D	12/16/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U
NBH_PH4SAP_PC13E_04D	12/16/2010	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	4U	0.4U
NBH_PH4SAP_PC13E_01D	12/17/2010	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	6U	0.6U
NBH_PH4SAP_PC13_01A	12/17/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U
NBH_PH4SAP_PC13_03A	12/17/2010	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	4U	0.4U
NBH_PH4SAP_PC13_08A	12/17/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U
NBH_PH4SAP_PC13_14A	12/17/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U
NBH_PH4SAP_PC13E_02A	12/21/2010	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	5U	0.5U
NBH_PH4SAP_PC13_02A	12/21/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U
NBH_PH4SAP_PC13_04A	12/21/2010	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	2U	0.2U
NBH_PH4SAP_PC13_07A	12/21/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U
NBH_PH4SAP_PC13_23A	12/21/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U
NBH_PH4SAP_PC13_32A	12/21/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U
NBH_PH4SAP_PC13_33A	12/21/2010	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U

Sample Name	Collection Dat	hexachloro-1,3-butadiene	4-chloro-3-methylphenol	2-methylnaphthalene	haxachlorocyclopentadiene	2,4,6-trichlorophenol	2,4,5-trichlorophenol	2-chloronaphthalene	2-nitroaniline	acenaphthylene	dimethylphthalate	2,6- dinitrotoluene	2,4- dinitrotoluene	acenaphthene	3-nitroaniline	2,4-dinitrophenol	dibenzofuran	4-nitrophenol	fluorene	4-chlorophenyl phenyl ether	diethyl phthalate	4-nitroaniline
NBH_PH4SAP_PC13E_02D	12/16/2010	0.3U	0.3U	0.3U	0.7U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.7U	0.3U	0.3U	0.7U	0.3U	0.7U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13E_03D	12/16/2010	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.6U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13E_04D	12/16/2010	0.4U	0.4U	0.4U	0.9U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.9U	0.4U	0.4U	0.9U	0.4U	0.9U	0.4U	0.4U	0.4U	0.4U
NBH_PH4SAP_PC13E_01D	12/17/2010	0.6U	0.6U	0.6U	1U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	1U	0.6U	0.6U	1U	0.6U	1U	0.6U	0.6U	0.6U	0.6U
NBH_PH4SAP_PC13_01A	12/17/2010	0.5U	0.5U	0.5U	1U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1U	0.5U	0.5U	1U	0.5U	1U	0.5U	0.5U	0.5U	0.5U
NBH_PH4SAP_PC13_03A	12/17/2010	0.4U	0.4U	0.4U	0.8U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.8U	0.4U	0.4U	0.8U	0.4U	0.8U	0.4U	0.4U	0.4U	0.4U
NBH_PH4SAP_PC13_08A	12/17/2010	0.5U	0.5U	0.5U	1U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1U	0.5U	0.5U	1U	0.5U	1U	0.5U	0.5U	0.5U	0.5U
NBH_PH4SAP_PC13_14A	12/17/2010	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.6U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13E_02A	12/21/2010	0.5U	0.5U	0.5U	1U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1U	0.5U	0.5U	1U	0.5U	1U	0.5U	0.5U	0.5U	0.5U
NBH_PH4SAP_PC13_02A	12/21/2010	0.3U	0.3U	0.3U	0.7U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.7U	0.3U	0.3U	0.7U	0.3U	0.7U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_04A	12/21/2010	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U
NBH_PH4SAP_PC13_07A	12/21/2010	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.6U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_23A	12/21/2010	0.3U	0.3U	0.3U	0.5U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.5U	0.3U	0.3U	0.5U	0.3U	0.5U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_32A	12/21/2010	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.6U	0.3U	0.3U	0.6U	0.3U	0.6U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_33A	12/21/2010	0.3U	0.3U	0.3U	0.5U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.5U	0.3U	0.3U	0.5U	0.3U	0.5U	0.3U	0.3U	0.3U	0.3U

Sample Name	Collection Dat	4,6-dinitro-2-methylphenol	4-bromophenyl-phenylether	N-nitrosodiphenylamine	1,2-diphenylhydrazine (azobenzene)	4-bromophenyl phenyl ether	hexachlorobenzene	pentochlorophenol	phenanthrene	anthracene	carbazole	di-n-butylphthalate	fluoranthene	benzidine	pyrene	butylbenzylphthalate	benzo(a)anthracene	chrysene	3,3'-dichlorobenzidine	bis(2-ethylhexyl)phthalate	di-n-octylhthalate	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(a)pyrene	indeno(1,2,3-cd)pyrene	dibenz(a.h)anthracene	benzo(g,h,i)perylene
NBH_PH4SAP_PC13E_02D	12/16/2010	2U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3	0.7	3U	1	1.4	0.4	0.4	0.3U	1	0.3U	0.7	0.4	0.4	0.3	0.3U	0.4
NBH_PH4SAP_PC13E_03D	12/16/2010	2U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	1.4	0.4	0.3U	0.3U	1.5	3U	2.5	0.3U	1	1.1	0.4	0.3U	0.3U	0.7	0.5	0.5	0.8	0.3U	0.6
NBH_PH4SAP_PC13E_04D	12/16/2010	2U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.9	4U	1.1	0.4U	0.5	0.5	0.4U	1.3	0.4U	0.6	0.5	0.5	0.4U	0.4U	0.4U
NBH_PH4SAP_PC13E_01D	12/17/2010	3U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	1.2	6U	1.6	0.6U	0.7	0.8	0.6U	1.8	0.6U	0.8	0.7	0.7	0.7	0.6U	0.6U
NBH_PH4SAP_PC13_01A	12/17/2010	2U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.7	5U	1.1	0.5U	0.5	0.6	0.5U	1.2	0.5U	0.6	0.5	0.5	0.5U	0.5U	0.5U
NBH_PH4SAP_PC13_03A	12/17/2010	2U	0.4U	0.4U	0.4U	0.4U	0.4U	0.4U	0.5	0.4U	0.4U	0.4U	1.3	4U	1.8	0.4U	0.7	0.8	0.4U	1	0.4U	0.8	0.7	0.7	0.5	0.4U	0.4U
NBH_PH4SAP_PC13_08A	12/17/2010	2U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5	0.5U	0.5U	0.5U	1.2	5U	1.4	0.5U	0.7	0.8	0.5U	1.6	0.5U	0.7	0.7	0.7	0.5	0.5U	0.5U
NBH_PH4SAP_PC13_14A	12/17/2010	2U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.6	0.3U	0.3U	0.3U	0.8	3U	1.2	0.3U	0.6	0.7	0.3U	3.3	0.3U	0.5	0.4	0.4	0.3	0.3U	0.3U
NBH_PH4SAP_PC13E_02A	12/21/2010	3U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5	0.5U	0.5U	0.5U	1.1	5U	1.3	0.5U	0.6	0.7	0.5U	1.1	0.5U	0.8	0.6	0.6	0.6	0.5U	0.5U
NBH_PH4SAP_PC13_02A	12/21/2010	2U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.5	3U	0.5	0.3U	0.3U	0.3	0.3U	0.5	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_04A	12/21/2010	1U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
NBH_PH4SAP_PC13_07A	12/21/2010	1U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_23A	12/21/2010	1U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_32A	12/21/2010	2U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U
NBH_PH4SAP_PC13_33A	12/21/2010	1U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.5	3U	0.4	0.3U	0.3U	0.3U	0.3U	0.3	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U	0.3U

Notes:
U = Concentration is below the laboratory's method detection limit.

Table 2C:
13 Priority Pollutant Metals Sediment Analytical Data
South Terminal CDF
New Bedford, Massachusetts

		13 Priority Pollutant Metals (mg/kg)												
Sample Name	Collection Date	Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
NBH_PH4SAP_PC13E_02D	12/16/2010	1.2 B (0.31) J5 J8	6.1	0.38	4.1	140	270	120	0.34	21	0.55	3.3	0.22	270
NBH_PH4SAP_PC13E_03D	12/16/2010	0.06 U	4.8	0.33	0.5	35	110	63	0.29	8.8	0.39	0.46	0.16	120
NBH_PH4SAP_PC13E_04D	12/16/2010	0.09 U	8.6	0.53	3.6	190	360	150	0.56	26	0.91	2.7	0.32	330
NBH_PH4SAP_PC13E_01D	12/17/2010	0.3 B (0.31)	11	0.74	2.6	170	380	220	0.6	25	1	3.3	0.42	460
NBH_PH4SAP_PC13_01A	12/17/2010	0.24 B (0.31)	8.1	0.56	2.3	140	310	140	0.45	20	0.8	2.5	0.32	360
NBH_PH4SAP_PC13_03A	12/17/2010	0.23 B (0.31)	7.4	0.47	2.4	110	280	160	0.38	19	0.66	2	0.26	340
NBH_PH4SAP_PC13_08A	12/17/2010	0.26 B (0.31)	9.1	0.61	7.8	300	560	200	0.6	35	0.9	3.1	0.35	440
NBH_PH4SAP_PC13_14A	12/17/2010	0.14 B (0.31)	4.9	0.33	1.2	66	170	74	0.19	13	0.4	1	0.16	270
NBH_PH4SAP_PC13E_02A	12/21/2010	0.28 B (0.31)	9.2	0.6	1.7	120	300	140	0.45	20	0.81	2.1	0.33	390
NBH_PH4SAP_PC13_02A	12/21/2010	0.097 B (0.31)	4.1	0.26	1.4	39	150	46	0.22	11	0.25	0.52	0.087	210
NBH_PH4SAP_PC13_04A	12/21/2010	0.05 U	1.6	0.076	0.14	9.3	21	11	0.04	2.6	0.1 U	0.11	0.068	30
NBH_PH4SAP_PC13_07A	12/21/2010	0.05 U	1.9	0.11	0.35	22	56	20	0.07	3.8	0.12	0.27	0.071	67
NBH_PH4SAP_PC13_23A	12/21/2010	0.05 U	1 B (0.23)	0.07	0.09	10	23	11	0.02	2.3	0.1 U	0.13	0.1 U	31
NBH_PH4SAP_PC13_32A	12/21/2010	0.05 U	0.9 B (0.23)	0.09	0.05 U	6.2	9.2	15	0.02 U	2.7	0.1 U	0.053	0.05 U	16
NBH_PH4SAP_PC13_33A	12/21/2010	0.05 U	1.6	0.12	0.28	17	46	23	0.06	3.5	0.1 U	0.22	0.065	56

Notes:

U = below quntitation limit

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

J5 = Estimate. MS %R below limit.

J8 = Estimate. Dup % RR above limit.

Table 2D:
Total Petroleum Hydrocarbons Sediment Analytical Data
South Terminal CDF
New Bedford, Massachusetts

Total Petroleum Hydrocarbons (µg/L)

Sample Name	Collection Date	Diesel Range Organics	Lube Oil Range Organics	Total Petroleum Hydrocarbons
NBH_PH4SAP_PC13E_02D	12/16/2010	20 U N1	1200 N2	20 U N1
NBH_PH4SAP_PC13E_03D	12/16/2010	10 U N1	430 N2	12 U N1
NBH_PH4SAP_PC13E_04D	12/16/2010	60 U N1	1500 N2	60 U N1
NBH_PH4SAP_PC13E_01D	12/17/2010	50 U N1	1700 N2	50 U N1
NBH_PH4SAP_PC13_01A	12/17/2010	40 U N1	1400 N2	40 U N1
NBH_PH4SAP_PC13_03A	12/17/2010	25 U N1	1000 N2	25 U N1
NBH_PH4SAP_PC13_08A	12/17/2010	90 U N1	2500 N2	90 U N1
NBH_PH4SAP_PC13_14A	12/17/2010	40 U N1	800 N2	40 U N1
NBH_PH4SAP_PC13E_02A	12/21/2010	20 U N1	100 N2	20 U N1
NBH_PH4SAP_PC13_02A	12/21/2010	7 U N1	260 N2	7 U N1
NBH_PH4SAP_PC13_04A	12/21/2010	4 U	72 N2	4 U
NBH_PH4SAP_PC13_07A	12/21/2010	20 U N1	140 N2	20 U N1
NBH_PH4SAP_PC13_23A	12/21/2010	15 U N1	44 N2	15 U N1
NBH_PH4SAP_PC13_32A	12/21/2010	15 U N1	110 N2	15 U N1
NBH_PH4SAP_PC13_33A	12/21/2010	20 U N1	140 N2	20 U N1

Notes:

U = below quntitation limit

N1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

N2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

ESI

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Chet Myers
Apex Companies LLC
184 High Street
Suite 502
Boston, MA 02110

PO Number: 6690.009
Report Number: 20509RE
Date Received: 12/16-12/21/10
Date Reported: 01/20/11

Project: NBH-South Terminal 6690.009

Attached please find results for analyses performed on samples received on 12/16/10 thru 12/21/10.

This report is being reissued with revised reporting limits for metals and semi-volatile results and it supercedes report 20509 issued on 01/10/11.

Results for sediment samples received will be provided under seperate cover.

Samples were received in acceptable condition and under chain of custody.

Instruments used in analysis were calibrated with the appropriate frequency and to the specifications of the referenced methods.

Analytes in blanks were below levels affecting sample results.

Matrix effects as monitored by matrix spike recovery or unusual physical properties were not apparent except where noted.

Accuracy and precision as monitored by laboratory control sample analyses were within acceptance limits.

EnviroSystems, Incorporated

Authorized Signature

Date 1/20/11

Attachment
Report

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: PC13E_01A
Matrix: Water
Sampled: 12/15/10 1200

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-016	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-016	0.002	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-016	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-016	0.0028	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-016	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-016	0.0034	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-016	0.0012	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-001	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-016	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-016	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-016	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-016	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-016	0.027	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: PC13E_01B
Matrix: Water
Sampled: 12/15/10 1230

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-017	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-017	0.002	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-017	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-017	0.0023	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-017	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-017	0.0096	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-017	0.0054	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-002	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-017	0.0025	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-017	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-017	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-017	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-017	0.046	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

EnviroSystems, Inc. P.O. Box 778 Hampton, NH 03842-0778 603-926-3345 fax 603-926-3521 www.envirosystems.com

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: PC13E_01C
Matrix: Water
Sampled: 12/15/10 1300

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-018	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-018	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-018	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-018	0.0005	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-018	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-018	0.0076	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-018	0.0055	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-003	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-018	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-018	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-018	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-018	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-018	0.02	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

EnviroSystems, Inc. P.O. Box 778 Hampton, NH 03842-0778 603-926-3345 fax 603-926-3521 www.envirosystems.com

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: PC13E_02A
Matrix: Water
Sampled: 12/15/10 1330

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-019	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-019	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-019	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-019	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-019	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-019	0.003	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-019	0.0009	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-004	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-019	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-019	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-019	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-019	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-019	0.024	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: PC13E_02B
Matrix: Water
Sampled: 12/15/10 1400

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-020	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-020	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-020	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-020	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-020	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-020	0.0078	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-020	0.0015	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-005	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-020	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-020	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-020	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-020	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-020	0.024	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_02C
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-045	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-045	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-045	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-045	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-045	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-045	0.0019	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-045	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-053	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-045	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-045	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-045	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-045	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-045	0.017	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_03A
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-046	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-046	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-046	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-046	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-046	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-046	0.0017	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-046	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-054	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-046	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-046	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-046	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-046	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-046	0.021	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_03B
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-047	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-047	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-047	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-047	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-047	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-047	0.0016	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-047	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-055	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-047	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-047	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-047	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-047	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-047	0.02	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_03C
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-048	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-048	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-048	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-048	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-048	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-048	0.0016	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-048	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-056	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-048	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-048	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-048	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-048	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-048	0.02	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_04A
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-049	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-049	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-049	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-049	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-049	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-049	0.0017	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-049	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-057	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-049	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-049	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-049	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-049	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-049	0.019	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_04A_D
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-050	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-050	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-050	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-050	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-050	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-050	0.0014	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-050	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-058	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-050	0.0006	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-050	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-050	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-050	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-050	0.02	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_04B
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-051	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-051	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-051	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-051	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-051	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-051	0.0015	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-051	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-059	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-051	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-051	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-051	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-051	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-051	0.019	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_04C
Matrix: Water
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-052	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Arsenic, total	20509-052	0.001	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Beryllium, total	20509-052	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Cadmium, total	20509-052	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Chromium, total	20509-052	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Copper, total	20509-052	0.0015	0.0006	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Lead, total	20509-052	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Mercury, total	20509-060	ND	0.01	ug/L	12/28/10	12/28/10	JLH/EPA 245.7
Nickel, total	20509-052	ND	0.0005	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Selenium, total	20509-052	ND	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Silver, total	20509-052	ND	0.0002	mg/L	12/19/10	12/19/10	JLH/EPA 200.8
Thallium, total	20509-052	ND	0.0002	mg/L	01/18/11	01/18/11	JLH/EPA 200.8
Zinc, total	20509-052	0.019	0.001	mg/L	12/19/10	12/19/10	JLH/EPA 200.8

Notes:

ND = Not Detected

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Lab Number:	20509-006
Sample Designation:	PC13E_01A
Date Sampled:	12/15/10
Date Extracted:	12/20/10
Date Analyzed:	12/22/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	5.0	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	88	21-100	nitrobenzene-d5	93	35-114
phenol-d5	72	10-102	2-fluorobiphenyl	82	43-116
2,4,6-tribromophenol	78	10-123	terphenyl-d14	75	33-141

U = Below quantitation limit

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Lab Number:	20509-007
Sample Designation:	PC13E_01B
Date Sampled:	12/15/10
Date Extracted:	12/20/10
Date Analyzed:	12/22/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	8.3	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	86	21-100	nitrobenzene-d5	89	35-114
phenol-d5	77	10-102	2-fluorobiphenyl	79	43-116
2,4,6-tribromophenol	81	10-123	terphenyl-d14	72	33-141

U = Below quantitation limit

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Lab Number:	20509-008
Sample Designation:	PC13E_01C
Date Sampled:	12/15/10
Date Extracted:	12/20/10
Date Analyzed:	12/22/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	7.5	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	84	21-100	nitrobenzene-d5	76	35-114
phenol-d5	67	10-102	2-fluorobiphenyl	68	43-116
2,4,6-tribromophenol	86	10-123	terphenyl-d14	61	33-141

U = Below quantitation limit

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Lab Number:	20509-009
Sample Designation:	PC13E_02A
Date Sampled:	12/15/10
Date Extracted:	12/20/10
Date Analyzed:	12/22/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	3.0	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	92	21-100	nitrobenzene-d5	81	35-114
phenol-d5	76	10-102	2-fluorobiphenyl	71	43-116
2,4,6-tribromophenol	81	10-123	terphenyl-d14	64	33-141

U = Below quantitation limit

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Lab Number:	20509-010
Sample Designation:	PC13E_02B
Date Sampled:	12/15/10
Date Extracted:	12/20/10
Date Analyzed:	12/22/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	7.7	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	90	21-100	nitrobenzene-d5	55	35-114
phenol-d5	67	10-102	2-fluorobiphenyl	48	43-116
2,4,6-tribromophenol	80	10-123	terphenyl-d14	43	33-141

U = Below quantitation limit

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Lab Number:	20509-029
Sample Designation:	NBH_PH4SAP_PC13E_02C
Date Sampled:	12/16/10
Date Extracted:	12/21/10
Date Analyzed:	12/22/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.3 (B)	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	74	21-100	nitrobenzene-d5	92	35-114
phenol-d5	60	10-102	2-fluorobiphenyl	83	43-116
2,4,6-tribromophenol	78	10-123	terphenyl-d14	76	33-141

U = Below quantitation limit
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

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Lab Number:	20509-030
Sample Designation:	NBH_PH4SAP_PC13E_03A
Date Sampled:	12/16/10
Date Extracted:	12/21/10
Date Analyzed:	12/23/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.3 (B)	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	77	21-100	nitrobenzene-d5	93	35-114
phenol-d5	59	10-102	2-fluorobiphenyl	84	43-116
2,4,6-tribromophenol	82	10-123	terphenyl-d14	76	33-141

U = Below quantitation limit
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

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Lab Number:	20509-031
Sample Designation:	NBH_PH4SAP_PC13E_03B
Date Sampled:	12/16/10
Date Extracted:	12/21/10
Date Analyzed:	12/23/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.5 (B)	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	70	21-100	nitrobenzene-d5	94	35-114
phenol-d5	55	10-102	2-fluorobiphenyl	85	43-116
2,4,6-tribromophenol	76	10-123	terphenyl-d14	77	33-141

U = Below quantitation limit
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

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Lab Number:	20509-032
Sample Designation:	NBH_PH4SAP_PC13E_03C
Date Sampled:	12/16/10
Date Extracted:	12/21/10
Date Analyzed:	12/23/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.8	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	69	21-100	nitrobenzene-d5	100	35-114
phenol-d5	56	10-102	2-fluorobiphenyl	92	43-116
2,4,6-tribromophenol	80	10-123	terphenyl-d14	84	33-141

U = Below quantitation limit

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Lab Number:	20509-033
Sample Designation:	NBH_PH4SAP_PC13E_04A
Date Sampled:	12/16/10
Date Extracted:	12/21/10
Date Analyzed:	12/23/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.4 (B)	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	66	21-100	nitrobenzene-d5	96	35-114
phenol-d5	51	10-102	2-fluorobiphenyl	88	43-116
2,4,6-tribromophenol	79	10-123	terphenyl-d14	80	33-141

U = Below quantitation limit
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

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Lab Number:	20509-034
Sample Designation:	NBH_PH4SAP_PC13E_04A_D
Date Sampled:	12/16/10
Date Extracted:	12/20/10
Date Analyzed:	12/22/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.4 (B)	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	65	21-100	nitrobenzene-d5	97	35-114
phenol-d5	53	10-102	2-fluorobiphenyl	87	43-116
2,4,6-tribromophenol	76	10-123	terphenyl-d14	80	33-141

U = Below quantitation limit
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

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Lab Number:	20509-035
Sample Designation:	NBH_PH4SAP_PC13E_04B
Date Sampled:	12/16/10
Date Extracted:	12/21/10
Date Analyzed:	12/23/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.2 (B)	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	96	21-100	nitrobenzene-d5	82	35-114
phenol-d5	71	10-102	2-fluorobiphenyl	76	43-116
2,4,6-tribromophenol	100	10-123	terphenyl-d14	70	33-141

U = Below quantitation limit
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

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Lab Number:	20509-036
Sample Designation:	NBH_PH4SAP_PC13E_04C
Date Sampled:	12/16/10
Date Extracted:	12/21/10
Date Analyzed:	12/23/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (ug/L)	Reporting Limit (ug/L)		Concentration (ug/L)	Reporting Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.3 (B)	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	80	21-100	nitrobenzene-d5	101	35-114
phenol-d5	73	10-102	2-fluorobiphenyl	92	43-116
2,4,6-tribromophenol	82	10-123	terphenyl-d14	86	33-141

U = Below quantitation limit
B = Analyte detected in the laboratory blank below reporting limit. Sample value is less than 5 times blank value.

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PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-001
Sample Designation:	PC13E_01A
Date Sampled:	12/15/10 1200
Date Extracted:	12/16/10
Date Analyzed:	12/18/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.0011	
18	2,2',5-trichlorobiphenyl	*	0.0011	
28	2,4,4'-trichlorobiphenyl	*	0.0027	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0024	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0045	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0015	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.0012	
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.0012	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.0012	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.047

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	102	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-002
Sample Designation:	PC13E_01B
Date Sampled:	12/15/10 1230
Date Extracted:	12/16/10
Date Analyzed:	12/18/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.0011	
28	2,4,4'-trichlorobiphenyl	*	0.0031	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0028	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0043	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.0012	
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0024	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.0014	
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.0018	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.0014	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.052

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	103	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-003
Sample Designation:	PC13E_01C
Date Sampled:	12/15/10 1300
Date Extracted:	12/16/10
Date Analyzed:	12/18/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.0013	
28	2,4,4'-trichlorobiphenyl	*	0.0046	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.0011	
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0033	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0055	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.0018	
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0041	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	
118	2,3',4,4',5-pentachlorobiphenyl	*	0.0035	
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.0044	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.0031	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.078

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	105	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-004
Sample Designation:	PC13E_02A
Date Sampled:	12/15/10 1330
Date Extracted:	12/16/10
Date Analyzed:	12/18/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.0014	
28	2,4,4'-trichlorobiphenyl	*	0.0085	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0025	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0049	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.0012	
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0018	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.0017	
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.002	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.0012	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.063

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	109	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-005
Sample Designation:	PC13E_02B
Date Sampled:	12/15/10 1400
Date Extracted:	12/16/10
Date Analyzed:	12/18/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.001	U
28	2,4,4'-trichlorobiphenyl	*	0.0031	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0027	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0048	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0018	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.0015	
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.0014	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.0012	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.0011	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.049

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	107	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-021
Sample Designation:	NBH_PH4SAP_PC13E_02C
Date Sampled:	12/16/10
Date Extracted:	12/17/10
Date Analyzed:	01/01/11
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.001	U
28	2,4,4'-trichlorobiphenyl	*	0.0012	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.001	U
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0015	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.001	U
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.025

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	129	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-022
Sample Designation:	NBH_PH4SAP_PC13E_03A
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/20/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.001	U
28	2,4,4'-trichlorobiphenyl	*	0.0012	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.001	U
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0013	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.001	U
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.025

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	40	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-023
Sample Designation:	NBH_PH4SAP_PC13E_03B
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/20/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.001	U
28	2,4,4'-trichlorobiphenyl	*	0.0014	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.001	U
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0019	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0011	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.028

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	62	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-024
Sample Designation:	NBH_PH4SAP_PC13E_03C
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/20/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.0012	
28	2,4,4'-trichlorobiphenyl	*	0.0024	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0016	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0034	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0014	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.037

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	81	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-025
Sample Designation:	NBH_PH4SAP_PC13E_04A
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/20/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.0013	
28	2,4,4'-trichlorobiphenyl	*	0.0019	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0016	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0029	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0013	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.035

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	88	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-026
Sample Designation:	NBH_PH4SAP_PC13E_04A_D
Date Sampled:	12/16/10
Date Extracted:	12/17/10
Date Analyzed:	12/19/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.001	U
28	2,4,4'-trichlorobiphenyl	*	0.0014	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0014	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0025	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.001	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.031

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	108	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-027
Sample Designation:	NBH_PH4SAP_PC13E_04B
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/20/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.0011	
28	2,4,4'-trichlorobiphenyl	*	0.0018	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0017	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0033	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0015	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.036

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	82	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-028
Sample Designation:	NBH_PH4SAP_PC13E_04C
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/20/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.001	U
18	2,2',5-trichlorobiphenyl	*	0.0013	
28	2,4,4'-trichlorobiphenyl	*	0.0014	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.001	U
49	2,2',4,5'-tetrachlorobiphenyl	*	0.0014	
52	2,2',5,5'-tetrachlorobiphenyl	*	0.0035	
66	2,3',4,4'-tetrachlorobiphenyl	*	0.001	U
77	3,3',4,4'-tetrachlorobiphenyl		0.001	U
87	2,2',3,4,5'-pentachlorobiphenyl		0.001	U
101	2,2',4,5,5'-pentachlorobiphenyl	*	0.0012	
105	2,3,3',4,4'-pentachlorobiphenyl		0.001	U
118	2,3',4,4',5-pentachlorobiphenyl	*	0.001	U
126	3,3',4,4',5-pentachlorobiphenyl		0.001	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	0.001	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	0.001	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.001	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.001	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.001	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.001	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.001	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.001	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.001	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.001	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.001	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.001	U

Total PCBs by Sum of congeners (*) multiplied by 2 0.035

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	82	30 - 150

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

ESI

Lab Number:	20509-011
Sample Designation:	PC13E_01A
Date Sampled:	12/15/10 1200
Date Extracted:	12/17/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L	Reporting Limit ug/L
Diesel Range Organics	U	50
Lube Oil Range Organics	U	50
Total Petroleum Hydrocarbons	U	50

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	103	30 - 150
2-fluorobiphenyl	92	30 - 150

U = Below quantitation limit

Lab Number:	20509-012
Sample Designation:	PC13E_01B
Date Sampled:	12/15/10 1230
Date Extracted:	12/17/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L	Reporting Limit ug/L
Diesel Range Organics	U	50
Lube Oil Range Organics	U	50
Total Petroleum Hydrocarbons	U	50

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	94	30 - 150
2-fluorobiphenyl	82	30 - 150

U = Below quantitation limit

Lab Number:	20509-013
Sample Designation:	PC13E_01C
Date Sampled:	12/15/10 1300
Date Extracted:	12/17/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L	Reporting Limit ug/L
Diesel Range Organics	U	50
Lube Oil Range Organics	U	50
Total Petroleum Hydrocarbons	U	50

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	100	30 - 150
2-fluorobiphenyl	88	30 - 150

U = Below quantitation limit

Lab Number:	20509-014
Sample Designation:	PC13E_02A
Date Sampled:	12/15/10 1330
Date Extracted:	12/17/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L	Reporting Limit ug/L
Diesel Range Organics	U	50
Lube Oil Range Organics	U	50
Total Petroleum Hydrocarbons	U	50

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	112	30 - 150
2-fluorobiphenyl	102	30 - 150

U = Below quantitation limit

Lab Number:	20509-015
Sample Designation:	PC13E_02B
Date Sampled:	12/15/10 1400
Date Extracted:	12/17/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L	Reporting Limit ug/L
Diesel Range Organics	U	50
Lube Oil Range Organics	U	50
Total Petroleum Hydrocarbons	U	50

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	103	30 - 150
2-fluorobiphenyl	115	30 - 150

U = Below quantitation limit

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Lab Number:	20509-037
Sample Designation:	NBH_PH4SAP_PC13E_02C
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L		Reporting Limit ug/L
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	80
Total Petroleum Hydrocarbons	U	Note 1	80

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	104	30 - 150
2-fluorobiphenyl	94	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

Lab Number:	20509-038
Sample Designation:	NBH_PH4SAP_PC13E_03A
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L		Reporting Limit ug/L
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	60
Total Petroleum Hydrocarbons	U	Note 1	60

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	107	30 - 150
2-fluorobiphenyl	92	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

Lab Number:	20509-039
Sample Designation:	NBH_PH4SAP_PC13E_03B
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	80
Total Petroleum Hydrocarbons	U	Note 1	80

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	89	30 - 150
2-fluorobiphenyl	105	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

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Lab Number:	20509-040
Sample Designation:	NBH_PH4SAP_PC13E_03C
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L		Reporting Limit ug/L
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	150
Total Petroleum Hydrocarbons	U	Note 1	150

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	108	30 - 150
2-fluorobiphenyl	98	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

Lab Number:	20509-041
Sample Designation:	NBH_PH4SAP_PC13E_04A
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L		Reporting Limit ug/L
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	90
Total Petroleum Hydrocarbons	U	Note 1	90

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	111	30 - 150
2-fluorobiphenyl	99	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

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Lab Number:	20509-042
Sample Designation:	NBH_PH4SAP_PC13E_04A_D
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L		Reporting Limit ug/L
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	90
Total Petroleum Hydrocarbons	U	Note 1	90

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	112	30 - 150
2-fluorobiphenyl	101	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

Lab Number:	20509-043
Sample Designation:	NBH_PH4SAP_PC13E_04B
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L		Reporting Limit ug/L
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	90
Total Petroleum Hydrocarbons	U	Note 1	90

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	114	30 - 150
2-fluorobiphenyl	103	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

Lab Number:	20509-044
Sample Designation:	NBH_PH4SAP_PC13E_04C
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration ug/L		Reporting Limit ug/L
Diesel Range Organics	U		50
Lube Oil Range Organics	U	Note 1	70
Total Petroleum Hydrocarbons	U	Note 1	70

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	115	30 - 150
2-fluorobiphenyl	105	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.

Quality Control Summary

Parameter: Antimony, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0005	0.0005	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.0097	0.010	97	0.0099	0.010	99	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0005	U	0.0005	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.049	0.050	0.0005	U	98		Pass
20509-016SD	70-130	0.049	0.050	0.0005	U	98		Pass

NC = Not calculated.

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Quality Control Summary

Parameter: Arsenic, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.001	0.001	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.097	0.100	97	0.098	0.100	98	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0016		0.0020		NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.488	0.500	0.0020		97		Pass
20509-016SD	70-130	0.487	0.500	0.0020		97		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Beryllium, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0005	0.0005	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.005	0.005	100	0.005	0.005	100	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0005	U	0.0005	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.026	0.025	0.0005	U	104		Pass
20509-016SD	70-130	0.025	0.025	0.0005	U	100		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Cadmium, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0005	0.0005	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.049	0.050	98	0.050	0.050	100	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0028		0.0028		0		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.241	0.250	0.0028		95		Pass
20509-016SD	70-130	0.241	0.250	0.0028		95		Pass

NC = Not calculated.

ESI

Quality Control Summary

Parameter: Chromium, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.001	0.001	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.020	0.020	100	0.021	0.020	105	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.010	U	0.010	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.105	0.100	0.001	U	105		Pass
20509-016SD	70-130	0.104	0.100	0.001	U	104		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Copper, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0006	0.0006	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.025	0.025	100	0.025	0.025	100	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0034		0.0034		0		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.122	0.125	0.0034		95		Pass
20509-016SD	70-130	0.123	0.125	0.0034		96		Pass

NC = Not calculated.

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Quality Control Summary

Parameter: Lead, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0005	0.0005	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.097	0.100	97	0.099	0.100	99	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0010		0.0012		NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.507	0.500	0.0012		101		Pass
20509-016SD	70-130	0.507	0.500	0.0012		101		Pass

NC = Not calculated.

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Quality Control Summary

Parameter: Mercury, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 794W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-001	PC13E_01A	20509-058	NBH_PH4SAP_PC13E_04A_D
20509-002	PC13E_01B	20509-059	NBH_PH4SAP_PC13E_04B
20509-003	PC13E_01C	20509-060	NBH_PH4SAP_PC13E_04C
20509-004	PC13E_02A		
20509-005	PC13E_02B		
20509-053	NBH_PH4SAP_PC13E_02C		
20509-054	NBH_PH4SAP_PC13E_03A		
20509-055	NBH_PH4SAP_PC13E_03B		
20509-056	NBH_PH4SAP_PC13E_03C		
20509-057	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/L	Q		M
PB794W	0.01	0.01	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/L	True Value ug/L	%R	Lab Control Dup Sample Result ug/L	True Value ug/L	%R	
LCS794W	70-130	0.024	0.025	96	0.025	0.025	100	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/L	Q	Sample Result ug/L	Q	RPD	Q	
20509-016D	30	0.010	U	0.010	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/L	Spike Added ug/L	Sample Result ug/L	Q	%R	Q	
20509-016S	70-130	0.023	0.025	0.010	U	92		Pass
20509-016SD	70-130	0.024	0.025	0.010	U	96		Pass

NC = Not calculated.

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Quality Control Summary

Parameter: Nickel, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0005	0.0005	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.050	0.050	100	0.050	0.050	100	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0005	U	0.0005	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.243	0.250	0.0005	U	97		Pass
20509-016SD	70-130	0.244	0.250	0.0005	U	98		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Selenium, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.001	0.001	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.097	0.100	97	0.098	0.100	98	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.001	U	0.001	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.490	0.500	0.001	U	98		Pass
20509-016SD	70-130	0.489	0.500	0.001	U	98		Pass

NC = Not calculated.

ESI

Quality Control Summary

Parameter: Silver, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0002	0.0002	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.024	0.025	96	0.024	0.025	96	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0002	U	0.0002	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.120	0.125	0.0002	U	96		Pass
20509-016SD	70-130	0.120	0.125	0.0002	U	96		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Thallium, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.0002	0.0002	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.098	0.100	98	0.099	0.100	99	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.0002	U	0.0002	U	NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.503	0.500	0.0002	U	101		Pass
20509-016SD	70-130	0.507	0.500	0.0002	U	101		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Zinc, total
Project: NBH-South Terminal 6690.009
Matrix: Water
QC Batch No: 171W

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-016	PC13E_01A	20509-050	NBH_PH4SAP_PC13E_04A_D
20509-017	PC13E_01B	20509-051	NBH_PH4SAP_PC13E_04B
20509-018	PC13E_01C	20509-052	NBH_PH4SAP_PC13E_04C
20509-019	PC13E_02A		
20509-020	PC13E_02B		
20509-045	NBH_PH4SAP_PC13E_02C		
20509-046	NBH_PH4SAP_PC13E_03A		
20509-047	NBH_PH4SAP_PC13E_03B		
20509-048	NBH_PH4SAP_PC13E_03C		
20509-049	NBH_PH4SAP_PC13E_04A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result mg/L	Q		M
PB171W	0.001	0.001	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result mg/L	True Value mg/L	%R	Lab Control Dup Sample Result mg/L	True Value mg/L	%R	
LCS171W	70-130	0.050	0.050	100	0.050	0.050	100	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result mg/L	Q	Sample Result mg/L	Q	RPD	Q	
20509-016D	30	0.028		0.027		4		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result mg/L	Spike Added mg/L	Sample Result mg/L	Q	%R	Q	
20509-016S	70-130	0.263	0.250	0.027		94		Pass
20509-016SD	70-130	0.263	0.250	0.027		94		Pass

NC = Not calculated.

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Lab Number:	PB488W
Sample Designation:	Laboratory Blank
Date Sampled:	12/20/10
Date Extracted:	12/20/10
Date Analyzed:	12/21/10
Matrix:	Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270.

	Concentration (ug/L)	Quantitation Limit (ug/L)		Concentration (ug/L)	Quantitation Limit (ug/L)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	0.5
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	2
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	2
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-chlorophenyl phenyl ether	U	0.5
4-methylphenol (p-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	2
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	U	0.5
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.5	pyrene	U	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	U	0.5
2-methylnaphthalene	U	0.5	chrysene	U	0.5
hexachlorocyclopentadiene	U	2	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	U	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	U	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	U	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	U	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	74	21-100	nitrobenzene-d5	99	35-114
phenol-d5	46	10-102	2-fluorobiphenyl	96	43-116
2,4,6-tribromophenol	87	10-123	terphenyl-d14	90	33-141

U = Below quantitation limit

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Lab Number: LCS488W\LCSD488W
Sample Designation: Laboratory Control Sample Duplicate
Date Sampled: 12/16/10
Date Extracted: 12/21/10
Date Analyzed: 12/23/10
Matrix: Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Amount	Laboratory Control Sample			Laboratory Control Sample Duplicate					
	Added	Result	Recovery	Limit	Result	Recovery	Limit	Diff	Limit	Qual
	(ug/L)	(ug/L)	(%)	(%)	(ug/L)	(%)	(%)	(%)	(%)	
N-nitrosodimethylamine	NA	U	NA	30-150	U	NA	30-150	NA	30	
phenol	172	96	56	5-112	90	53	5-112	6	30	
2-chlorophenol	165	170	102	23-134	170	103	23-134	1	30	
bis-(2-choroethyl)ether	NA	U	NA	36-166	U	NA	36-166	NA	30	
1,3-dichlorobenzene	NA	U	NA	1-172	U	NA	1-172	NA	30	
1,4-diclorobenzene	74	71	96	20-124	70	95	20-124	1	30	
1,2-dichlorobenzene	NA	U	NA	32-129	U	NA	32-129	NA	30	
benzyl alcohol	NA	U	NA	30-150	U	NA	30-150	NA	30	
2-methylphenol (o-cresol)	NA	U	NA	30-150	U	NA	30-150	NA	30	
bis(2-chloroisopropyl)ether	NA	U	NA	53-127	U	NA	53-127	NA	30	
hexachloroethane	NA	U	NA	40-113	U	NA	40-113	NA	30	
N-nitroso-di-n-propylamine	83	86	104	1-150	83	101	1-150	4	30	
4-methylphenol (p-cresol)	NA	U	NA	30-150	U	NA	30-150	NA	30	
nitrobenzene	NA	U	NA	35-180	U	NA	35-180	NA	30	
isophorone	NA	U	NA	21-196	U	NA	21-196	NA	30	
2-nitrophenol	NA	U	NA	29-182	U	NA	29-182	NA	30	
2,4-dimethylphenol	NA	U	NA	32-119	U	NA	32-119	NA	30	
bis(2-chloroethoxy)methane	NA	U	NA	33-184	U	NA	33-184	NA	30	
2,4-dichlorophenol	NA	U	NA	39-135	U	NA	39-135	NA	30	
2,6-dichlorophenol	NA	U	NA	30-150	U	NA	30-150	NA	30	
1,2,4-trichlorobenzene	76	69	91	44-142	69	91	44-142	0	30	
naphthalene	90	76	84	21-133	76	84	21-133	0	30	
benzoic acid	NA	U	NA	30-150	U	NA	30-150	NA	30	
4-chloroaniline	NA	U	NA	30-150	U	NA	30-150	NA	30	
hexachloro-1,3-butadiene	NA	U	NA	24-116	U	NA	24-116	NA	30	
4-chloro-3-methylphenol	188	170	90	22-147	170	91	22-147	0	30	
2-methylnaphthalene	NA	U	NA	30-150	U	NA	30-150	NA	30	
hexachlorocyclopentadiene	NA	U	NA	30-150	U	NA	30-150	NA	30	
2,4,6-trichlorophenol	NA	U	NA	37-144	U	NA	37-144	NA	30	
2,4,5-trichlorophenol	NA	U	NA	30-150	U	NA	30-150	NA	30	
2-chloronaphthalene	NA	U	NA	60-118	U	NA	60-118	NA	30	
2-nitroaniline	NA	U	NA	30-150	U	NA	30-150	NA	30	
acenaphthylene	93	78	84	33-145	77	83	33-145	1	30	
dimethyl phthalate	NA	U	NA	1-112	U	NA	1-112	NA	30	
2,6-dinitrotoluene	NA	U	NA	50-158	U	NA	50-158	NA	30	
2,4-dinitrotoluene	82	U	NA	30-150	62	76	39-139	2	60	
acenaphthene	182	96	56	5-112	160	53	47-145	1	30	
3-nitroaniline	NA	170	102	23-134	U	103	30-150	NA	30	

U = Below quantitation limit

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Lab Number: 20509
Sample Designation: Laboratory Control Sample Duplicate
Date Sampled: 12/16/10
Date Extracted: 12/21/10
Date Analyzed: 12/23/10
Matrix: Water

SEMIVOLATILE ORGANICS (Continued)
Method Reference: SW846 8270

	Amount	Laboratory Control Sample			Laboratory Control Sample Duplicate					
	Added	Result	Recovery	Limit	Result	Recovery	Limit	Diff	Limit	Qual
	(ug/L)	(ug/L)	(%)	(%)	(ug/L)	(%)	(%)	(%)	(%)	
2,4-dinitrophenol	NA	U	NA	1-191	U	NA	1-191	NA	30	
dibenzofuran	NA	U	NA	30-150	U	NA	30-150	NA	30	
4-nitrophenol	233	110	47	1-132	92	39	1-132	18	40	
fluorene	93	79	85	59-121	78	84	59-121	1	30	
4-chlorophenyl phenyl ether	NA	U	NA	25-158	U	NA	25-158	NA	30	
diethyl phthalate	NA	U	NA	1-114	U	NA	1-114	NA	30	
4-nitroaniline	NA	U	NA	30-150	U	NA	30-150	NA	30	
4,6-dinitro-2-methylphenol	NA	U	NA	1-181	U	NA	1-181	NA	30	
4-chlorophenyl phenyl ethe	NA	U	NA	25-158	U	NA	25-158	NA	30	
N-nitrosodiphenylamine	NA	U	NA	30-150	NA	NA	30-150	NA	30	
4-bromophenyl phenylether	NA	U	NA	25-158	NA	NA	25-158	NA	30	
hexachlorobenzene	NA	U	NA	30-150	NA	NA	30-150	NA	30	
pentachlorophenol	205	180	86	14-176	170	83	14-176	4	30	
phenanthrene	NA	79	NA	54-120	77	NA	54-120	NA	30	
anthracene	NA	82	NA	27-133	77	NA	27-133	NA	30	
carbazole	NA	U	NA	30-150	U	NA	30-150	NA	30	
di-n-butyl phthalate	93	81	88	1-118	78	84	1-118	4	30	
fluoranthene	87	80	92	26-137	75	87	26-137	6	30	
benzidine	NA	U	NA	30-150	U	NA	30-150	NA	30	
pyrene	184	160	89	52-115	160	88	52-115	2	30	
butyl benzyl phthalate	NA	U	NA	1-152	U	NA	1-152	NA	30	
benzo(a)anthracene	NA	76	NA	33-143	64	NA	33-143	NA	30	
chrysene	93	83	89	17-168	75	81	17-168	10	30	
3,3'-dichlorobenzidine	NA	U	NA	1-262	U	NA	1-262	NA	30	
bis-2-ethylhexyl phthalate	NA	U	NA	1-158	U	NA	1-158	NA	30	
di-n-octyl phthalate	NA	U	NA	1-146	U	NA	1-146	NA	30	
benzo(b)fluoranthene	81	73	91	24-159	26	33	24-159	94	30	
benzo(k)fluoranthene	87	69	79	11-162	62	71	11-162	11	30	
benzo(a)pyrene	84	71	85	17-163	68	80	17-163	6	30	
indeno(1,2,3-cd)pyrene	74	64	86	1-171	61	82	1-171	5	30	
dibenz(a,h)anthracene	78	67	86	1-227	64	82	1-227	6	30	
benzo(g,h,i)perylene	74	65	87	1-219	61	82	1-219	6	30	

SURROGATE STANDARDS	Laboratory Control Sample		Laboratory Control Sample Duplicate	
	Recovery	Limits	Recovery	Limits
	(%)	(%)	(%)	(%)
2-fluorophenol	79	21-100	76	21-100
phenol-d5	52	10-102	49	10-102
2,4,6-tribromophenol	93	10-123	86	10-123
nitrobenzene-d5	104	35-114	105	35-114
2-fluorobiphenyl	98	43-116	96	43-116
terphenyl-d14	88	33-141	87	33-141

U = Below quantitation limit

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Lab Number: 20509-029
Sample Designation: NBH_PH4SAP_PC13E_02C (Laboratory Duplicate)
Date Sampled: 12/16/10
Date Extracted: 12/21/10
Date Analyzed: 12/22/10
Matrix: Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Sample (ug/L)	RL (ug/L)	Duplicate (ug/L)	RL (ug/L)	DIFF (%)	Limit (%)		Sample (ug/L)	RL (ug/L)	Duplicate (ug/L)	RL (ug/L)	DIFF (%)	Limit (%)
N-nitrosodimethylamine	U	2	U	2	NC	30	2,4-dinitrotoluene	U	2	U	2	NC	30
phenol	U	2	U	2	NC	30	acenaphthene	U	2	U	2	NC	30
2-chlorophenol	U	2	U	2	NC	30	3-nitroaniline	U	2	U	2	NC	30
bis-(2-choroethyl)ether	U	2	U	2	NC	30	2,4-dinitrophenol	U	4	U	4	NC	30
1,3-dichlorobenzene	U	2	U	2	NC	30	dibenzofuran	U	2	U	2	NC	30
1,4-diclorobenzene	U	2	U	2	NC	30	4-nitrophenol	U	4	U	4	NC	30
1,2-dichlorobenzene	U	2	U	2	NC	30	fluorene	U	2	U	2	NC	30
benzyl alcohol	U	2	U	2	NC	30	4-chlorophenyl phenyl ether	U	2	U	2	NC	30
2-methylphenol (o-cresol)	U	2	U	2	NC	30	diethyl phthalate	U	2	U	2	NC	30
bis(2-chloroisopropyl)ether	U	2	U	2	NC	30	4-nitroaniline	U	2	U	2	NC	30
hexachloroethane	U	2	U	2	NC	30	4,6-dinitro-2-methylphenol	U	8	U	8	NC	30
N-nitroso-di-n-propylamine	U	2	U	2	NC	30	4-chlorophenyl phenyl ether	U	2	U	2	NC	30
4-methylphenol (p-cresol)	U	2	U	2	NC	30	N-nitrosodiphenylamine	U	2	U	2	NC	30
nitrobenzene	U	2	U	2	NC	30	1,2-diphenylhydrazine	U	2	U	2	NC	30
isophorone	U	2	U	2	NC	30	4-bromophenyl phenyl ether	U	2	U	2	NC	30
2-nitrophenol	U	2	U	2	NC	30	hexachlorobenzene	U	2	U	2	NC	30
2,4-dimethylphenol	U	2	U	2	NC	30	pentachlorophenol	U	2	U	2	NC	30
bis(2-chloroethoxy)methane	U	2	U	2	NC	30	phenanthrene	U	2	U	2	NC	30
2,4-dichlorophenol	U	2	U	2	NC	30	anthracene	U	2	U	2	NC	30
2,6-dichlorophenol	U	2	U	2	NC	30	carbazole	U	2	U	2	NC	30
1,2,4-trichlorobenzene	U	2	U	2	NC	30	di-n-butylphthalate	U	2	U	2	NC	30
naphthalene	U	2	U	2	NC	30	fluoranthene	U	2	U	2	NC	30
benzoic acid	U	20	U	20	NC	30	benzidine	U	8	U	8	NC	30
4-chloroaniline	U	2	U	2	NC	30	pyrene	U	2	U	2	NC	30
hexachloro-1,3-butadiene	U	2	U	2	NC	30	butylbenzylphthalate	U	2	U	2	NC	30
4-chloro-3-methylphenol	U	2	U	2	NC	30	benzo(a)anthracene	U	2	U	2	NC	30
2-methylnaphthalene	U	2	U	2	NC	30	chrysene	U	2	U	2	NC	30
hexachlorocyclopentadiene	U	4	U	4	NC	30	3,3'-dichlorobenzidine	U	4	U	4	NC	30
2,4,6-trichlorophenol	U	2	U	2	NC	30	bis(2-ethylhexyl)phthalate	U	2	U	2	NC	30
2,4,5-trichlorophenol	U	2	U	2	NC	30	di-n-octylphthalate	U	2	U	2	NC	30
2-chloronaphthalene	U	2	U	2	NC	30	benzo(b)fluoranthene	U	2	U	2	NC	30
2-nitroaniline	U	2	U	2	NC	30	benzo(k)fluoranthene	U	2	U	2	NC	30
acenaphthylene	U	2	U	2	NC	30	benzo(a)pyrene	U	2	U	2	NC	30
dimethyl phthalate	U	2	U	2	NC	30	indeno(1,2,3-cd)pyrene	U	2	U	2	NC	30
2,6-dinitrotoluene	U	2	U	2	NC	30	dibenz(a,h)anthracene	U	2	U	2	NC	30
							benzo(g,h,i)perylene	U	2	U	2	NC	30

SURROGATE STANDARDS

	Recovery (%)	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Recovery (%)	Acceptance Limits (%)
2-fluorophenol	74	71	21-100	nitrobenzene-d5	92	88	35-114
phenol-d5	60	55	10-102	2-fluorobiphenyl	83	80	43-116
2,4,6-tribromophenol	78	76	10-123	terphenyl-d14	76	78	33-141

U = Below quantitation limit
NC = Not calculated due one or both values less than five times the reporting limit.

Lab Number: 20509-034
Sample Designation: NBH_PH4SAP_PC13E_04A_D (Matrix Spike / Matrix Spike Duplicate)
Date Sampled: 12/16/10
Date Extracted: 12/20/10
Date Analyzed: 12/22/10
Matrix: Water

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Sample	Amount	Matrix Spike			Spike Duplicate					
	Result	Added	Result	Recovery	Limit	Result	Recovery	Limit	Diff	Limit	Qual
	(ug/L)	(ug/L)	(ug/L)	(%)	(%)	(ug/L)	(%)	(%)	(%)	(%)	
N-nitrosodimethylamine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
phenol	U	172	140	83	10-110	140	83	10-110	0	60	
2-chlorophenol	U	165	210	129	20-110	220	131	20-110	1	60	J5J13
bis-(2-choroethyl)ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,3-dichlorobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,4-diclorobenzene	U	74	70	94	30-150	70	95	30-150	1	30	
1,2-dichlorobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
benzyl alcohol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-methylphenol (o-cresol)	U	NA	U	NA	NA	U	NA	NA	NA	NA	
bis(2-chloroisopropyl)ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachloroethane	U	NA	U	NA	NA	U	NA	NA	NA	NA	
N-nitroso-di-n-propylamine	U	83	88	106	30-150	87	105	30-150	1	30	
4-methylphenol (p-cresol)	U	NA	U	NA	NA	U	NA	NA	NA	NA	
nitrobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
isophorone	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-nitrophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dimethylphenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
bis(2-chloroethoxy)methane	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,6-dichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,2,4-trichlorobenzene	U	76	71	94	30-150	71	93	30-150	1	30	
naphthalene	U	90	76	85	30-150	77	86	30-150	2	30	
benzoic acid	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-chloroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachloro-1,3-butadiene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-chloro-3-methylphenol	U	188	190	100	30-150	190	102	30-150	2	40	
2-methylnaphthalene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachlorocyclopentadiene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4,6-trichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4,5-trichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-chloronaphthalene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-nitroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
acenaphthylene	U	93	80	86	30-150	81	87	30-150	1	30	
dimethyl phthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,6-dinitrotoluene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dinitrotoluene	U	82	67	81	30-150	73	89	30-150	9	30	
acenaphthene	U	182	160	89	30-150	160	90	30-150	1	30	
3-nitroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dinitrophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
dibenzofuran	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-nitrophenol	U	233	110	46	20-120	110	48	20-120	3	40	
fluorene	U	93	80	86	30-150	82	88	30-150	2	30	

U = Below quantitation limit

ESI

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Lab Number: 20509-034
Sample Designation: NBH_PH4SAP_PC13E_04A_D (Matrix Spike / Matrix Spike Duplicate)
Date Sampled: 12/16/10
Date Extracted: 12/20/10
Date Analyzed: 12/22/10
Matrix: Water

SEMIVOLATILE ORGANICS (Continued)
Method Reference: SW846 8270

	Sample	Amount	Matrix Spike			Spike Duplicate					
	Result	Added	Result	Recovery	Limit	Result	Recovery	Limit	Diff	Limit	Qual
	(ug/L)	(ug/L)	(ug/L)	(%)	(%)	(ug/L)	(%)	(%)	(%)	(%)	
4-chlorophenyl phenyl ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
diethyl phthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-nitroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4,6-dinitro-2-methylphenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-chlorophenyl phenyl ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
N-nitrosodiphenylamine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,2-diphenylhydrazine (azobenzene)	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-bromophenyl phenyl ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachlorobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
pentachlorophenol	U	205	190	91	30-150	180	89	30-150	3	40	
phenanthrene	U	NA	79	NA	NA	80	NA	NA	NA	NA	
anthracene	U	NA	81	NA	NA	81	NA	NA	NA	NA	
carbazole	U	NA	U	NA	NA	U	NA	NA	NA	NA	
di-n-butylphthalate	U	93	88	95	30-150	88	94	30-150	1	30	
fluoranthene	U	87	78	90	30-150	81	93	30-150	4	30	
benzidine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
pyrene	U	184	170	92	30-150	170	92	30-150	0	30	
butylbenzylphthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
benzo(a)anthracene	U	NA	78	NA	NA	80	NA	NA	NA	NA	
chrysene	U	93	85	92	30-150	85	91	30-150	1	30	
3,3'-dichlorobenzidine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
bis(2-ethylhexyl)phthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
di-n-octylphthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
benzo(b)fluoranthene	U	81	81	100	30-150	76	94	30-150	6	30	
benzo(k)fluoranthene	U	87	81	93	30-150	70	81	30-150	14	30	
benzo(a)pyrene	U	84	76	91	30-150	73	87	30-150	4	30	
indeno(1,2,3-cd)pyrene	U	74	69	93	30-150	68	92	30-150	1	30	
dibenz(a,h)anthracene	U	78	72	93	30-150	71	91	30-150	2	30	
benzo(g,h,i)perylene	U	74	70	94	30-150	70	94	30-150	0	30	

SURROGATE STANDARDS	MS Recovery %	MSD Recovery %	Acceptance Limits %
2-fluorophenol	94	89	21-100
phenol-d5	82	80	10-102
2,4,6-tribromophenol	105	107	10-123
nitrobenzene-d5	110	101	35-114
2-fluorobiphenyl	101	107	43-116
terphenyl-d14	90	91	33-141

U = Below quantitation limit
J5 = Estimate. MS %R above limit
J13 = Estimate. MSD % R above limit

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PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	PB487W
Sample Designation:	Laboratory Blank
Date Sampled:	12/16/10
Date Extracted:	12/16/10
Date Analyzed:	12/17/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1.00
Dilution Factor:	1

Congener Number	PCB Congener	Concentration (ug/L)	Qualifier
8	2,4'-dichlorobiphenyl	0.002	U
18	2,2',5-trichlorobiphenyl	0.002	U
28	2,4,4'-trichlorobiphenyl	0.002	U
44	2,2',3,5'-tetrachlorobiphenyl	0.002	U
49	2,2',4,5'-tetrachlorobiphenyl	0.002	U
52	2,2',5,5'-tetrachlorobiphenyl	0.002	U
66	2,3',4,4'-tetrachlorobiphenyl	0.002	U
77	3,3',4,4'-tetrachlorobiphenyl	0.002	U
87	2,2',3,4,5'-pentachlorobiphenyl	0.002	U
101	2,2',4,5,5'-pentachlorobiphenyl	0.002	U
105	2,3,3',4,4'-pentachlorobiphenyl	0.002	U
118	2,3',4,4',5-pentachlorobiphenyl	0.002	U
126	3,3',4,4',5-pentachlorobiphenyl	0.002	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	0.002	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	0.002	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	0.002	U
156	2,3,3',4,4',5-hexachlorobiphenyl	0.002	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	0.002	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	0.002	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	0.002	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl	0.002	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	0.002	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	0.002	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	0.002	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl		
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl		

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	79	30 - 150

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PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	LCS487W / LCSD487W
Sample Designation:	Laboratory Control Sample Duplicate
Date Sampled:	12/16/10
Date Extracted:	12/16/10
Date Analyzed:	12/17/10
Matrix:	Water
Sample Amount (g):	1000
Final Volume (mL)	1.00
Dilution Factor:	1

Congener Number	PCB Congener	True Value (ug/L)	LCS Result (ug/L)	Recovery (%)	Recovery Limit (%)	LCSD Result (ug/L)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
8	2,4'-dichlorobiphenyl	0.100	0.099	99	30 - 150	0.095	95	30 - 150	4	30
18	2,2',5-trichlorobiphenyl	0.100	0.094	94	30 - 150	0.091	91	30 - 150	3	30
28	2,4,4'-trichlorobiphenyl	0.100	0.099	99	30 - 150	0.094	94	30 - 150	5	30
44	2,2',3,5'-tetrachlorobiphenyl	0.100	0.104	104	30 - 150	0.100	100	30 - 150	4	30
49	2,2',4,5'-tetrachlorobiphenyl	0.100	0.101	101	30 - 150	0.092	92	30 - 150	9	30
52	2,2',5,5'-tetrachlorobiphenyl	0.100	0.107	107	30 - 150	0.101	101	30 - 150	6	30
66	2,3',4,4'-tetrachlorobiphenyl	0.100	0.113	113	30 - 150	0.102	102	30 - 150	10	30
77	3,3',4,4'-tetrachlorobiphenyl	0.100	0.106	106	30 - 150	0.114	114	30 - 150	7	30
87	2,2',3,4,5'-pentachlorobiphenyl	0.100	0.108	108	30 - 150	0.097	97	30 - 150	11	30
101	2,2',4,5,5'-pentachlorobiphenyl	0.100	0.101	101	30 - 150	0.098	98	30 - 150	4	30
105	2,3,3',4,4'-pentachlorobiphenyl	0.100	0.109	109	30 - 150	0.105	105	30 - 150	4	30
118	2,3',4,4',5-pentachlorobiphenyl	0.100	0.111	111	30 - 150	0.109	109	30 - 150	2	30
126	3,3',4,4',5-pentachlorobiphenyl	0.100	0.101	101	30 - 150	0.104	104	30 - 150	2	30
128	2,2',3,3',4,4'-hexachlorobiphenyl	0.100	0.104	104	30 - 150	0.100	100	30 - 150	4	30
138	2,2',3,4,4',5'-hexachlorobiphenyl	0.100	0.103	103	30 - 150	0.102	102	30 - 150	1	30
153	2,2',4,4',5,5'-hexachlorobiphenyl	0.100	0.101	101	30 - 150	0.097	97	30 - 150	3	30
156	2,3,3',4,4',5-hexachlorobiphenyl	0.100	0.102	102	30 - 150	0.098	98	30 - 150	4	30
169	3,3',4,4',5,5'-hexachlorobiphenyl	0.100	0.093	93	30 - 150	0.102	102	30 - 150	9	30
170	2,2',3,3',4,4',5-heptachlorobiphenyl	0.100	0.100	100	30 - 150	0.100	100	30 - 150	1	30
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	0.100	0.094	94	30 - 150	0.094	94	30 - 150	0	30
183	2,2',3,4,4',5',6-heptachlorobiphenyl	0.100	0.098	98	30 - 150	0.101	101	30 - 150	3	30
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	0.100	0.107	107	30 - 150	0.103	103	30 - 150	4	30
187	2,2',3,4',5,5',6-heptachlorobiphenyl	0.100	0.100	100	30 - 150	0.103	103	30 - 150	3	30
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	0.100	0.090	90	30 - 150	0.089	89	30 - 150	2	30
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	0.100	0.089	89	30 - 150	0.087	87	30 - 150	2	30
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	0.100	0.087	87	30 - 150	0.088	88	30 - 150	1	30

Surrogate Standard	Recovery (%)	Advisory Limits (%)	Recovery (%)	Advisory Limits (%)
198 2,2',3,3',4,5,5',6-octachlorobiphenyl	103	30 - 150	99	30 - 150

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PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-021D
Sample Designation:	NBH_PH4SAP_PC13E_02C (Laboratory Duplicate)
Date Sampled:	12/17/10
Date Extracted:	12/17/10
Date Analyzed:	01/01/11
Matrix:	01/01/11
Moisture (%):	NA
Sample Amount (L):	1000.00
Final Volume (mL)	1.00
Dilution Factor:	1

Congener Number	PCB Congener	Duplicate Concentration (ug/L)	Duplicate Qualifier	Sample Concentration (ug/L)	Sample Qualifier	Relative Difference (%)	Limit (%)
8	2,4'-dichlorobiphenyl	0.001	U	0.001	U	NC	30
18	2,2',5-trichlorobiphenyl	0.001	U	0.001	U	NC	30
28	2,4,4'-trichlorobiphenyl	0.0016		0.0012		NC	30
44	2,2',3,5'-tetrachlorobiphenyl	0.001	U	0.001	U	NC	30
49	2,2',4,5'-tetrachlorobiphenyl	0.001	U	0.001	U	NC	30
52	2,2',5,5'-tetrachlorobiphenyl	0.0019		0.0015		NC	30
66	2,3',4,4'-tetrachlorobiphenyl	0.001	U	0.001	U	NC	30
77	3,3',4,4'-tetrachlorobiphenyl	0.001	U	0.001	U	NC	30
87	2,2',3,4,5'-pentachlorobiphenyl	0.001	U	0.001	U	NC	30
101	2,2',4,5,5'-pentachlorobiphenyl	0.001	U	0.001	U	NC	30
105	2,3,3',4,4'-pentachlorobiphenyl	0.001	U	0.001	U	NC	30
118	2,3',4,4',5-pentachlorobiphenyl	0.001	U	0.001	U	NC	30
126	3,3',4,4',5-pentachlorobiphenyl	0.001	U	0.001	U	NC	30
128	2,2',3,3',4,4'-hexachlorobiphenyl	0.001	U	0.001	U	NC	30
138	2,2',3,4,4',5'-hexachlorobiphenyl	0.001	U	0.001	U	NC	30
153	2,2',4,4',5,5'-hexachlorobiphenyl	0.001	U	0.001	U	NC	30
156	2,3,3',4,4',5-hexachlorobiphenyl	0.001	U	0.001	U	NC	30
169	3,3',4,4',5,5'-hexachlorobiphenyl	0.001	U	0.001	U	NC	30
170	2,2',3,3',4,4',5-heptachlorobiphenyl	0.001	U	0.001	U	NC	30
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	0.001	U	0.001	U	NC	30
183	2,2',3,4,4',5',6-heptachlorobiphenyl	0.001	U	0.001	U	NC	30
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	0.001	U	0.001	U	NC	30
187	2,2',3,4',5,5',6-heptachlorobiphenyl	0.001	U	0.001	U	NC	30
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	0.001	U	0.001	U	NC	30
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	0.001	U	0.001	U	NC	30
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	0.001	U	0.001	U	NC	30

Surrogate Standard	Recovery (%)	Recovery (%)	Advisory Limits (%)
PCB 198	47	129	30 - 150

U = Not detected at reporting limit.
NC = Not calculated due to one or more values less than five times the reporting limit.

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PCB Congeners in Water
SW 846 8082/EPA 680 modified

Lab Number:	20509-026MSD
Sample Designation:	NBH_PH4SAP_PC13E_04A_D (Matrix Spike Duplicate)
Date Sampled:	12/16/10
Date Extracted:	12/17/10
Date Analyzed:	12/20/10
Matrix:	Water
Sample Amount (g):	1000.00
Final Volume (mL)	1.00
Dilution Factor:	1.00

Congener Number	PCB Congener	Sample Result (ug/L)	Amount Added (ug/L)	MS Result (ug/L)	Recovery (%)	Recovery Limit (%)	MST Result (ug/L)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
8	2,4'-dichlorobiphenyl	ND	0.100	0.071	71	30 - 150	0.069	69	30 - 150	3	30
18	2,2',5-trichlorobiphenyl	ND	0.100	0.072	72	30 - 150	0.074	74	30 - 150	3	30
28	2,4,4'-trichlorobiphenyl	0.0014	0.100	0.087	85	30 - 150	0.085	84	30 - 150	1	30
44	2,2',3,5'-tetrachlorobiphenyl	ND	0.100	0.094	94	30 - 150	0.089	89	30 - 150	5	30
49	2,2',4,5'-tetrachlorobiphenyl	0.0014	0.100	0.087	86	30 - 150	0.088	86	30 - 150	1	30
52	2,2',5,5'-tetrachlorobiphenyl	0.0025	0.100	0.088	86	30 - 150	0.086	84	30 - 150	2	30
66	2,3',4,4'-tetrachlorobiphenyl	ND	0.100	0.097	97	30 - 150	0.093	93	30 - 150	5	30
77	3,3',4,4'-tetrachlorobiphenyl	ND	0.100	0.102	102	30 - 150	0.097	97	30 - 150	5	30
87	2,2',3,4,5'-pentachlorobiphenyl	ND	0.100	0.092	92	30 - 150	0.090	90	30 - 150	2	30
101	2,2',4,5,5'-pentachlorobiphenyl	0.001	0.100	0.093	92	30 - 150	0.087	86	30 - 150	6	30
105	2,3,3',4,4'-pentachlorobiphenyl	ND	0.100	0.094	94	30 - 150	0.092	92	30 - 150	2	30
118	2,3',4,4',5-pentachlorobiphenyl	ND	0.100	0.093	92	30 - 150	0.093	93	30 - 150	1	30
126	3,3',4,4',5-pentachlorobiphenyl	ND	0.100	0.098	98	30 - 150	0.092	92	30 - 150	6	30
128	2,2',3,3',4,4'-hexachlorobiphenyl	ND	0.100	0.097	97	30 - 150	0.093	93	30 - 150	4	30
138	2,2',3,4,4',5'-hexachlorobiphenyl	ND	0.100	0.107	107	30 - 150	0.100	100	30 - 150	7	30
153	2,2',4,4',5,5'-hexachlorobiphenyl	ND	0.100	0.103	103	30 - 150	0.099	99	30 - 150	4	30
156	2,3,3',4,4',5-hexachlorobiphenyl	ND	0.100	0.094	94	30 - 150	0.091	91	30 - 150	3	30
169	3,3',4,4',5,5'-hexachlorobiphenyl	ND	0.100	0.101	101	30 - 150	0.098	98	30 - 150	3	30
170	2,2',3,3',4,4',5-heptachlorobiphenyl	ND	0.100	0.091	91	30 - 150	0.092	92	30 - 150	1	30
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	ND	0.100	0.094	94	30 - 150	0.093	93	30 - 150	0	30
183	2,2',3,4,4',5',6-heptachlorobiphenyl	ND	0.100	0.095	95	30 - 150	0.095	95	30 - 150	0	30
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	ND	0.100	0.096	96	30 - 150	0.096	96	30 - 150	0	30
187	2,2',3,4',5,5',6-heptachlorobiphenyl	ND	0.100	0.093	93	30 - 150	0.093	93	30 - 150	0	30
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	ND	0.100	0.093	93	30 - 150	0.090	90	30 - 150	3	30
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	ND	0.100	0.089	89	30 - 150	0.092	92	30 - 150	3	30
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	ND	0.100	0.091	91	30 - 150	0.095	95	30 - 150	4	30

Surrogate Standard	MS Recovery (%)	Advisory Limits (%)	MSD Recovery (%)	Advisory Limits (%)
PCB 198	104	30 - 150	99	30 - 150

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TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	PB489W
Sample Designation:	Laboratory Blank
Date Sampled:	12/17/10
Date Extracted:	12/17/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

	Concentration (ug/L)	Reporting Limit (ug/L)
Diesel Range Organics	U	50
Lube Oil Range Organics	U	50
Total Petroleum Hydrocarbons	U	50

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	88	30 - 150
2-fluorobiphenyl	78	30 - 150

U = Below quantitation limit

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TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	LCS489W / LCSD489W
Sample Designation:	Laboratory Control Sample Duplicate
Date Sampled:	12/17/10
Date Extracted:	12/17/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

	True Value (ug/mL)	LCS Concentration (ug/mL)	Recovery (%)	Recovery Limit (%)	LCSD Concentration (ug/mL)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
Diesel Range Organics	2.50	2.38	95	30-150	2.62	105	30-150	9.6	30

SURROGATE STANDARD	LCS Recovery (%)	LCSD Recovery (%)	Advisory Limits (%)
o-terphenyl	96	107	30 - 150
2-fluorobiphenyl	88	99	30 - 150

U = Below quantitation limit

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	20509-038D
Sample Designation:	NBH_PH4SAP_PC13E_03A (Laboratory Duplicate)
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

	Duplicate Concentration (ug/L)	Duplicate Qualifier	Sample Concentration (ug/L)	Sample Qualifier	Relative Difference (%)	Limit (%)
Diesel Range Organics	50	U	50	U	NC	30-150
Lube Oil Range Organics	60	U	60	U	NC	30-150
Total Petroleum Hydrocarbons	60	U	60	U	NC	30-150

SURROGATE STANDARD	Duplicate Recovery (%)	Advisory Limits (%)
o-terphenyl	107	30 - 150
2-fluorobiphenyl	90	30 - 150

U = Below quantitation limit
NC = Not calclulated due to one or more values below quantitation limit.

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	20509-042
Sample Designation:	NBH_PH4SAP_PC13E_04A_D
Date Sampled:	12/16/10
Date Extracted:	12/19/10
Date Analyzed:	12/21/10
Matrix:	Water
Sample Amount (mL):	1000
Final Volume (mL)	1
Dilution Factor:	1

	Sample Concentration (ug/mL)	Amount Added (ug/mL)	MS Concentration (%)	Recovery (%)	Recovery Limit (%)	MSD Concentration (ug/mL)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
Diesel Range Organics	U	2.50	2.51	100	30-150	2.44	98	30-150	3.0	30

SURROGATE STANDARD	MS Recovery (%)	Advisory Limits (%)	MSD Recovery (%)	Advisory Limits (%)
o-terphenyl	113	30 - 150	115	30 - 150
2-fluorobiphenyl	103	30 - 150	108	30 - 150

U = Below quantitation limit

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SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/16/10 1027	Date and TIme Logged into Lab:	12/16/10 1150
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	6	Custody Seals intact?	NA
Number of COC Pages:	1		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
PC13E_01A	20509-001	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_01B	20509-002	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_01C	20509-003	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_02A	20509-004	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_02B	20509-005	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_01A	20509-006	W	SVOC8270C	1L G	4C	Yes
PC13E_01B	20509-007	W	SVOC8270C	1L G	4C	Yes
PC13E_01C	20509-008	W	SVOC8270C	1L G	4C	Yes
PC13E_02A	20509-009	W	SVOC8270C	1L G	4C	Yes
PC13E_02B	20509-010	W	SVOC8270C	1L G	4C	Yes
PC13E_01A	20509-011	W	TPH8100	1L G	HCl	Yes
PC13E_01B	20509-012	W	TPH8100	1L G	HCl	Yes
PC13E_01C	20509-013	W	TPH8100	1L G	HCl	Yes
PC13E_02A	20509-014	W	TPH8100	1L G	HCl	Yes
PC13E_02B	20509-015	W	TPH8100	1L G	HCl	Yes
PC13E_01A	20509-016	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_01B	20509-017	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_01C	20509-018	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_02A	20509-019	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_02B	20509-020	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List. Hg subsampled into 125mL G and preserved with HCl upon receipt. TPH samples preserved with HCl upon receipt. Total Metals preserved with HNO3 upon receipt. Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/17/10 0700	Date and TIme Logged into Lab:	12/17/10 1200
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	1	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_02C	20509-021	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-022	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-023	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-024	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-025	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-026	W	CGR680	3x1L G	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-027	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-028	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-029	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-030	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-031	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-032	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-033	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-034	W	SVOC8270C	3x1L G	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-035	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-036	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-037	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_03A	20509-038	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_03B	20509-039	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_03C	20509-040	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_04A	20509-041	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_04A_D	20509-042	W	TPH8100	3x1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_04B	20509-043	W	TPH8100	1L G	H2SO4	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List.
Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/17/10 0700	Date and TIme Logged into Lab:	12/17/10 1200
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	1	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_04C	20509-044	W	TPH8100	1L G	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-045	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-046	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-047	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-048	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-049	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-050	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-051	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-052	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-053	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-054	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-055	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-056	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-057	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-058	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-059	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-060	W	Total Metals Hg;	125mL G	H2SO4	Yes
NBH_PH4SAP_PC13E_02D	20509-061	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_02E	20509-062	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_02F	20509-063	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_03D	20509-064	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_03E	20509-065	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_04D	20509-066	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	2x8oz	H2SO4	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List.
Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/17/10 0700	Date and TIme Logged into Lab:	12/17/10 1200
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	1	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_04E	20509-067	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	4C	Yes
NBH_PH4SAP_PC13E_04F	20509-068	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	4C	Yes
NBH_PH4SAP_PC13E_04G	20509-069	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	4C	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List.
Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/20/10 0940	Date and TIme Logged into Lab:	12/20/10 1100
Recieved By:	DW	Logged into Lab by:	LCB LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	6	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	Yes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_01D	20509-070	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01E	20509-071	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01F	20509-072	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01G	20509-073	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01A	20509-074	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01B	20509-075	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01C	20509-076	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-077	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-078	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-079	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_08A	20509-080	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_08B	20509-081	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_14A	20509-082	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_14B	20509-083	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes

Notes and qualifications:

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/21/10 1120	Date and TIme Logged into Lab:	12/21/10 1300
Recieved By:	DW	Logged into Lab by:	LCB LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	No	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	10	Custody Seals intact?	NA
Number of COC Pages:	1		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	Yes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_02A	20509-084	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_02A	20509-085	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_04A	20509-086	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_07A	20509-087	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_23A	20509-088	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_32A	20509-089	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_32B	20509-090	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13_32C	20509-091	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13_33A	20509-092	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes

Notes and qualifications:

ESI
EnviroSystems, Inc.
1 Lafayette Road
P.O. Box 778
Hampton, N.H. 03843

Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies, LLC	Contact: Chet Myers	Project Name: NBH - South Terminal	Page 1 of 1
Report to: Chet Myers	Address: 184 High Street	Project Number: 6690.009	
Invoice to: NBH 6690.009	Address: Suite 502	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions:
-001..*	PC13E_01A	12/15/10	12:00	JR/MB	G	1L/5	4 G / 1 P	None	W	N	PCB's: 22 NOAA 13 Pollutant Metals by 8270C 6020A/7471
-002..*	PC13E_01B		12:30								
-003..*	PC13E_01C		13:00								TPH 8015
-004..*	PC13E_02A		13:30								SVOC 8270C
-005..*	PC13E_02B		14:00								

Relinquished By: CW Pilkening	Date: 12/16/10	Time: 10:27	Received By: [illegible]	Date: 12-16-10	Time: 10:27
Relinquished By:	Date:	Time:	Received at Lab By:	Date:	Time:

Comments: * See sample receipt record

Sample Delivery Group No:	Page of

COC Doc No: 6250

ESI
EnviroSystems, Inc.
1 Lafayette Road
P.O. Box 778
Hampton, N.H. 03843

Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies, LLC	Contact: Chet Myers	Project Name: NBH South Terminal	Page 1 of 1
Report to: Chet Myers	Address: 184 High Street	Project Number: 6690.009	
Invoice to: Apex Companies, LLC	Address: Suite 502	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: 6690.009 Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions:
-021.*	NBH-PH4SAP-PC13E-02C	12/16/10		JR GD MB	G	250mL 125mL 40mL	P/G	HNO_3 H_2SO_4 HCL	W	N	Metals - 6020A/7471 TPH - 8015 SVOCs - 8270C PCB - 22 NOAA 8270C
-022.*	NBH-PH4SAP-PC13E-03A										
-023.*	NBH-PH4SAP-PC13E-03B										
-024.*	NBH-PH4SAP-PC13E-03C										
-025.*	NBH-PH4SAP-PC13E-04A										
-026.*	NBH-PH4SAP-PC13E-04A-D										
-027.*	NBH-PH4SAP-PC13E-04B										
-028.*	NBH-PH4SAP-PC13E-04C										

Relinquished By: [signature]	Date: 12/17/10 Time: 7:00 AM	Received By: [signature]	Date: 12/17/10 Time: 7:00 AM
Relinquished By:	Date: Time:	Received at Lab By:	Date: Time:

Comments: * See Sample receipt record

Sample Delivery Group No:	Page of

COC Doc No: 425x

ESI
EnviroSystems, Inc.
1 Lafayette Road
P.O. Box 778
Hampton, N.H. 03843

Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: APEX COMPANIES LLC	Contact: CHET MYERS	Project Name: NBH SOUTH TERR	Page 1 of 1
Report to: CHET MYERS	Address: 184 HIGH STREET	Project Number: 6690.009	
Invoice to: APEX COMPANIES LLC	Address: SUITE 502 BOSTON MA	Project Manager: CHET MYERS	
Voice: 617-728-0070	Fax: 617-7280080	email: CMYERS@APEXCOS.COM	P.O. No: 6690 Quote No:

Protocol: RCRA SDWA NPDES USCOE X Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions: METALS - 6020A/7471 TPH - 8015 SVOC - 8270C PCB - NOAA22 8270C
-061	NBH_PH4 SAP_PCBE_02D	12/16/10		MBJR GD	G	2x8oz	G	4°C	S	N	-RUN-
-062	NBH_PH4 SAP_PCBE_02E										HOLD
-063	NBH_PH4_SAP_PCBE_02F										HOLD
064	NBH_PH4_SAP_PCBE_03D										-RUN-
-065	NBH_PH4_SAP_PCBE_03E										HOLD
-066	NBH_PH4_SAP_PCBE_04D										-RUN-
-067	NBH_PH4_SAP_PCBE_04E										HOLD
-068	NBH_PH4_SAP_PCBE_04F										HOLD
-069	NBH_PH4_SAP_PCBE_04G										HOLD

Relinquished By: [signature]	Date: 12/17/2010 Time: 7:00 AM	Received By: [signature]	Date: 12/17/10 Time: 7:00 AM
Relinquished By:	Date: Time:	Received at Lab By:	Date: Time:

Comments:

Sample Delivery Group No: Page of

COC Doc No: 4257

ESI
EnviroSystems, Inc.
1 Lafayette Road
P.O. Box 778
Hampton, N.H. 03843

Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies LLC	Contact: Chet Myers	Project Name: NBH South Tem	Page 1 of 2
Report to: Chet Myers	Address: 184 High Street	Project Number: 6690.009	
Invoice to: Apex	Address: Suite 602 Boston MA 02110	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: 6690 Quote No:

Protocol: RCRA SDWA NPDES (USCOE) Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions: Metals - 6020 A / 7471 TPH - 8015 SVOC - 8270C PCB - NOAA 8270C
-070	NBH_PHASAP_PC13E-01AD	12/17		MB JE GD	G	16oz	G	N	S	N	Run
-071	NBH-PHASAP-PC13E-01E										Hold
-072	NBH-PHASAP-PC13E-01F										Hold
-073	NBH_PHASAP-PC13E-01G										Hold
-074	NBH-PHASAP-PC13-01A										Run
-075	NBH_PHASAP_PC13_01B										Hold
-076	NBH_PHASAP_PC13-01C										Hold
-077	NBH_PHASAP-PC13_03A										Run
-078	NBH_PHASAP_PC13_03B										Hold
-079	NBH-PHASAP-PC13_03C										Hold
-080	NBH-PHASAP-PC13_08A										Run
-081	NBH_PHASAP_PC13_08B										Hold

Relinquished By: [signature]	Date: 12/20/10 Time: 0940	Received By: [signature]	Date: 12/20/10 Time: 0940
Relinquished By:	Date: Time:	Received at Lab By:	Date: Time:

Comments:

Sample Delivery Group No: Page of

COC Doc No: [illegible]

ESI
EnviroSystems, Inc.
1 Lafayette Road
P.O. Box 778
Hampton, N.H. 03843

Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies LLC	Contact: Chet Myers	Project Name: NBH South Tem	Page 2 of 2
Report to: Chet Myers	Address: 185 High Street	Project Number: 16690.009	
Invoice to: Apex	Address: Suite 502 Boston 02110	Project Manager: Chet Myers	
Voice: 617 728 0010	Fax: 617 728 0080	email: CMyers@apexcos.com	P.O. No: 16690 Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or com-posit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preser-vation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions:
-082	NBH-PHMSAP- PCB-14A	12/17/10		MBJR LD	G	1 Pint	G	N	S	N	Run
-083	NBH-PHMSAP-PCB-14B										Hold

Relinquished By: [signature]	Date: 12/20/10	Time: 9:40	Received By: [signature] Date: 12/20/10 Time: 0940
Relinquished By:	Date:	Time:	Received at Lab By: Date: Time:

Comments:

Sample Delivery Group No: Page of

COC Doc No: 4255

ESI
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Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies, LLC	Contact: Chet Myers	Project Name: NBH	Page 1 of 1
Report to: Chet Myers	Address: 184 High Street 502	Project Number: 66099009	
Invoice to: Apex Companies LLC	Address: Boston MA 02110	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: 6690 Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions: Same as previous —
-084	NBH_PH4SAP_PCBE_02A	12/21		JRMB GD	G	16 oz	G	None	S	N	
-085	NBH_PH4SAP_PCB_02A										
-086	NBH_PH4SAP_PCB_04A										
-087	NBH_PH4SAP_PCB_07A										
-088	NBH_PH4SAP_PCB_23A										
-089	NBH_PH4SAP_PCB_32A										
-090	NBH_PH4SAP_PCB_52B										HOLD
-091	NBH_PH4SAP_PCB_38C										HOLD
-092	NBH_PH4SAP_PCB_33A										

Relinquished By: [signature]	Date: 12/21	Time: 11:20	Received By: [signature] Date: 12/21/10 Time: 11:20
Relinquished By:	Date:	Time:	Received at Lab By: Date: Time:

Comments:

Sample Delivery Group No: Page of

COC Doc No: 43015

ESI

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envirosystems.com

Chet Myers
Apex Companies LLC
184 High Street
Suite 502
Boston, MA 02110

PO Number: 6690.009
Report Number: 20509
Date Received: 12/17-12/21/10
Date Reported: 01/26/11

Project: NBH-South Terminal 6690.009

Attached please find results for analyses performed on sediment samples received on 12/17/10 thru 12/21/10.

Samples were received in acceptable condition and under chain of custody.

Instruments used in analysis were calibrated with the appropriate frequency and to the specifications of the referenced methods.

Analytes in blanks were below levels affecting sample results except where noted.

Matrix effects as monitored by matrix spike recovery or unusual physical properties were not apparent except where noted with respect to petroleum hydrocarbons and antimony.

Accuracy and precision as monitored by laboratory control sample analyses were within acceptance limits.

EnviroSystems, Incorporated

Date 1/26/11

Authorized
Signature

Attachment
Report

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_02D
Matrix: Solid
Sampled: 12/16/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-061	1.2	B J5 J8	0.06	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-061	6.1		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-061	0.38		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-061	4.1		0.09	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-061	140		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-061	270		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-061	120		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-061	0.34		0.14	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-061	21		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-061	0.55		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-061	3.3		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-061	0.22		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-061	270		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

J5 = Estimate. MS %R below limit.

J8 = Estimate. Dup %RR above limit.

EnviroSystems, Inc. P.O. Box 778 Hampton, NH 03842-0778 603-926-3345 fax 603-926-3521 www.envirosystems.com

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_03D
Matrix: Solid
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-064	ND	0.06	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-064	4.8	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-064	0.33	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-064	0.5	0.08	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-064	35	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-064	110	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-064	63	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-064	0.29	0.13	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-064	8.8	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-064	0.39	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-064	0.46	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-064	0.16	0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-064	120	1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

ND = Not Detected

EnviroSystems, Inc. P.O. Box 778 Hampton, NH 03842-0778 603-926-3345 fax 603-926-3521 www.envirosystems.com

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_04D
Matrix: Solid
Sampled: 12/16/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-066	ND	0.09	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-066	8.6	0.3	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-066	0.53	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-066	3.6	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-066	190	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-066	360	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-066	150	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-066	0.56	0.21	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-066	26	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-066	0.91	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-066	2.7	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-066	0.32	0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-066	330	1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

ND = Not Detected

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_01D
Matrix: Solid
Sampled: 12/17/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-070	0.3	B	0.08	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-070	11		0.3	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-070	0.74		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-070	2.6		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-070	170		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-070	380		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-070	220		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-070	0.6		0.27	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-070	25		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-070	1		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-070	3.3		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-070	0.42		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-070	460		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_01A
Matrix: Solid
Sampled: 12/17/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-074	0.24	B	0.06	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-074	8.1		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-074	0.56		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-074	2.3		0.08	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-074	140		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-074	310		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-074	140		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-074	0.45		0.22	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-074	20		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-074	0.8		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-074	2.5		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-074	0.32		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-074	360		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_03A
Matrix: Solid
Sampled: 12/17/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-077	0.23	B	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-077	7.4		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-077	0.47		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-077	2.4		0.07	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-077	110		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-077	280		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-077	160		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-077	0.38		0.17	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-077	19		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-077	0.66		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-077	2		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-077	0.26		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-077	340		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_08A
Matrix: Solid
Sampled: 12/17/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-080	0.26	B	0.06	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-080	9.1		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-080	0.61		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-080	7.8		0.08	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-080	300		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-080	560		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-080	200		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-080	0.6		0.2	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-080	35		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-080	0.9		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-080	3.1		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-080	0.35		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-080	440		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_14A
Matrix: Solid
Sampled: 12/17/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-082	0.14	B	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-082	4.9		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-082	0.33		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-082	1.2		0.06	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-082	66		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-082	170		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-082	74		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-082	0.19		0.13	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-082	13		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-082	0.4		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-082	1		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-082	0.16		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-082	270		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13E_02A
Matrix: Solid
Sampled: 12/21/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-084	0.28	B	0.07	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-084	9.2		0.3	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-084	0.6		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-084	1.7		0.09	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-084	120		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-084	300		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-084	140		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-084	0.45		0.26	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-084	20		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-084	0.81		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-084	2.1		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-084	0.33		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-084	390		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_02A
Matrix: Solid
Sampled: 12/21/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-085	0.097	B	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-085	4.1		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-085	0.26		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-085	1.4		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-085	39		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-085	150		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-085	46		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-085	0.22		0.14	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-085	11		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-085	0.25		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-085	0.52		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-085	0.087		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-085	210		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

B (0.31) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_04A
Matrix: Solid
Sampled: 12/21/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-086	ND	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-086	1.6	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-086	0.076	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-086	0.14	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-086	9.3	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-086	21	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-086	11	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-086	0.04	0.03	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-086	2.6	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-086	ND	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-086	0.11	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-086	0.068	0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-086	30	1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

ND = Not Detected

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Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_07A
Matrix: Solid
Sampled: 12/21/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-087	ND	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-087	1.9	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-087	0.11	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-087	0.35	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-087	22	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-087	56	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-087	20	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-087	0.07	0.04	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-087	3.8	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-087	0.12	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-087	0.27	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-087	0.071	0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-087	67	1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

ND = Not Detected

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_23A
Matrix: Solid
Sampled: 12/21/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-088	ND		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-088	1	B	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-088	0.07		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-088	0.09		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-088	10		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-088	23		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-088	11		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-088	0.02		0.02	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-088	2.3		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-088	ND		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-088	0.13		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-088	ND		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-088	31		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

ND = Not Detected

B (0.23) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_32A
Matrix: Solid
Sampled: 12/21/10

Parameter		Result		Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-089	ND		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-089	0.9	B	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-089	0.09		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-089	ND		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-089	6.2		0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-089	9.2		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-089	15		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-089	ND		0.02	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-089	2.7		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-089	ND		0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-089	0.053		0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-089	ND		0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-089	16		1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

ND = Not Detected

B (0.23) = Analyte found in laboratory blank at value indicated. Sample result may be affected.

Report No: 20509 SDG:
Project: NBH-South Terminal 6690.009

Sample ID: NBH_PH4SAP_PC13_33A
Matrix: Solid
Sampled: 12/21/10

Parameter		Result	Quant Limit	Units	Date Prepared	Date of Analysis	INIT/Method/Reference
Antimony, total	20509-092	ND	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Arsenic, total	20509-092	1.6	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Beryllium, total	20509-092	0.12	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Cadmium, total	20509-092	0.28	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Chromium, total	20509-092	17	0.2	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Copper, total	20509-092	46	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Lead, total	20509-092	23	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Mercury, total	20509-092	0.06	0.03	ug/g dry wt	01/07/11 1100	01/07/11 1300	JLH/EPA 245.7
Nickel, total	20509-092	3.5	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Selenium, total	20509-092	ND	0.1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Silver, total	20509-092	0.22	0.05	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020
Thallium, total	20509-092	0.065	0.05	ug/g dry wt	01/05/11 1300	01/18/11	JLH/SW846 3rd Ed. 6020
Zinc, total	20509-092	56	1	ug/g dry wt	01/05/11 1300	01/06/11	JLH/SW846 3rd Ed. 6020

Notes:

ND = Not Detected

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Lab Number:	20509-061
Sample Designation:	NBH_PH4SAP_PC13E_02D
Date Sampled:	12/16/10
Date Extracted:	12/31/10
Date Analyzed:	01/07/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.7
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.7
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.7
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	U	0.3
2,4-dichlorophenol	U	0.3	anthracene	U	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	0.3	0.3
naphthalene	U	0.3	fluoranthene	0.7	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	1	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	1.4	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	0.4	0.3
2-methylnaphthalene	U	0.3	chrysene	0.4	0.3
hexachlorocyclopentadiene	U	0.7	3,3'-dichlorobenzidine	U	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	1	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	0.7	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	0.4	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	0.4	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	0.3	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	0.4	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	75	21-100	nitrobenzene-d5	79	35-114
phenol-d5	71	10-102	2-fluorobiphenyl	75	43-116
2,4,6-tribromophenol	75	10-123	terphenyl-d14	85	33-141

U = Below quantitation limit

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Lab Number:	20509-064
Sample Designation:	NBH_PH4SAP_PC13E_03D
Date Sampled:	12/16/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.6
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.6
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.6
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	1.4	0.3
2,4-dichlorophenol	U	0.3	anthracene	0.4	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	U	0.3
naphthalene	U	0.3	fluoranthene	1.5	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	2.5	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	U	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	1	0.3
2-methylnaphthalene	U	0.3	chrysene	1.1	0.3
hexachlorocyclopentadiene	U	0.6	3,3'-dichlorobenzidine	0.4	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	U	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	0.7	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	0.5	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	0.5	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	0.8	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	0.6	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	70	21-100	nitrobenzene-d5	77	35-114
phenol-d5	73	10-102	2-fluorobiphenyl	73	43-116
2,4,6-tribromophenol	77	10-123	terphenyl-d14	88	33-141

U = Below quantitation limit

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Lab Number:	20509-066
Sample Designation:	NBH_PH4SAP_PC13E_04D
Date Sampled:	12/16/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.4	2,4-dinitrotoluene	U	0.9
phenol	U	0.4	acenaphthene	U	0.4
2-chlorophenol	U	0.4	3-nitroaniline	U	0.4
bis(2-chloroethyl)ether	U	0.4	2,4-dinitrophenol	U	0.9
1,3-dichlorobenzene	U	0.4	dibenzofuran	U	0.4
1,4-dichlorobenzene	U	0.4	4-nitrophenol	U	0.9
1,2-dichlorobenzene	U	0.4	fluorene	U	0.4
benzyl alcohol	U	0.4	4-chlorophenyl phenyl ether	U	0.4
2-methylphenol (m-cresol)	U	0.4	diethyl phthalate	U	0.4
bis(2-chloroisopropyl)ether	U	0.4	4-nitroaniline	U	0.4
hexachloroethane	U	0.4	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.4	4-bromophenyl-phenylether	U	0.4
3- and 4-methylphenol (p- and o-cresol)	U	0.4	N-nitrosodiphenylamine	U	0.4
nitrobenzene	U	0.4	1,2-diphenylhydrazine (azobenzene)	U	0.4
isophorone	U	0.4	4-bromophenyl phenyl ether	U	0.4
2-nitrophenol	U	0.4	hexachlorobenzene	U	0.4
2,4-dimethylphenol	U	0.4	pentachlorophenol	U	0.4
bis(2-chloroethoxy)methane	U	0.4	phenanthrene	U	0.4
2,4-dichlorophenol	U	0.4	anthracene	U	0.4
2,6-dichlorophenol	U	0.4	carbazole	U	0.4
1,2,4-trichlorobenzene	U	0.4	di-n-butylphthalate	U	0.4
naphthalene	U	0.4	fluoranthene	0.9	0.4
benzoic acid	U	4	benzidine	U	4
4-chloroaniline	U	0.4	pyrene	1.1	0.4
hexachloro-1,3-butadiene	U	0.4	butylbenzylphthalate	U	0.4
4-chloro-3-methylphenol	U	0.4	benzo(a)anthracene	0.5	0.4
2-methylnaphthalene	U	0.4	chrysene	0.5	0.4
hexachlorocyclopentadiene	U	0.9	3,3'-dichlorobenzidine	U	0.4
2,4,6-trichlorophenol	U	0.4	bis(2-ethylhexyl)phthalate	1.3	0.4
2,4,5-trichlorophenol	U	0.4	di-n-octylphthalate	U	0.4
2-chloronaphthalene	U	0.4	benzo(b)fluoranthene	0.6	0.4
2-nitroaniline	U	0.4	benzo(k)fluoranthene	0.5	0.4
acenaphthylene	U	0.4	benzo(a)pyrene	0.5	0.4
dimethylphthalate	U	0.4	indeno(1,2,3-cd)pyrene	U	0.4
2,6-dinitrotoluene	U	0.4	dibenz(a,h)anthracene	U	0.4
			benzo(g,h,i)perylene	U	0.4

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	70	21-100	nitrobenzene-d5	74	35-114
phenol-d5	69	10-102	2-fluorobiphenyl	70	43-116
2,4,6-tribromophenol	73	10-123	terphenyl-d14	80	33-141

U = Below quantitation limit

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Lab Number:	20509-070
Sample Designation:	NBH_PH4SAP_PC13E_01D
Date Sampled:	12/17/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.6	2,4-dinitrotoluene	U	1
phenol	U	0.6	acenaphthene	U	0.6
2-chlorophenol	U	0.6	3-nitroaniline	U	0.6
bis(2-chloroethyl)ether	U	0.6	2,4-dinitrophenol	U	1
1,3-dichlorobenzene	U	0.6	dibenzofuran	U	0.6
1,4-dichlorobenzene	U	0.6	4-nitrophenol	U	1
1,2-dichlorobenzene	U	0.6	fluorene	U	0.6
benzyl alcohol	U	0.6	4-chlorophenyl phenyl ether	U	0.6
2-methylphenol (m-cresol)	U	0.6	diethyl phthalate	U	0.6
bis(2-chloroisopropyl)ether	U	0.6	4-nitroaniline	U	0.6
hexachloroethane	U	0.6	4,6-dinitro-2-methylphenol	U	3
N-nitroso-di-n-propylamine	U	0.6	4-bromophenyl-phenylether	U	0.6
3- and 4-methylphenol (p- and o-cresol)	U	0.6	N-nitrosodiphenylamine	U	0.6
nitrobenzene	U	0.6	1,2-diphenylhydrazine (azobenzene)	U	0.6
isophorone	U	0.6	4-bromophenyl phenyl ether	U	0.6
2-nitrophenol	U	0.6	hexachlorobenzene	U	0.6
2,4-dimethylphenol	U	0.6	pentachlorophenol	U	0.6
bis(2-chloroethoxy)methane	U	0.6	phenanthrene	U	0.6
2,4-dichlorophenol	U	0.6	anthracene	U	0.6
2,6-dichlorophenol	U	0.6	carbazole	U	0.6
1,2,4-trichlorobenzene	U	0.6	di-n-butylphthalate	U	0.6
naphthalene	U	0.6	fluoranthene	1.2	0.6
benzoic acid	U	6	benzidine	U	6
4-chloroaniline	U	0.6	pyrene	1.6	0.6
hexachloro-1,3-butadiene	U	0.6	butylbenzylphthalate	U	0.6
4-chloro-3-methylphenol	U	0.6	benzo(a)anthracene	0.7	0.6
2-methylnaphthalene	U	0.6	chrysene	0.8	0.6
hexachlorocyclopentadiene	U	1	3,3'-dichlorobenzidine	U	0.6
2,4,6-trichlorophenol	U	0.6	bis(2-ethylhexyl)phthalate	1.8	0.6
2,4,5-trichlorophenol	U	0.6	di-n-octylphthalate	U	0.6
2-chloronaphthalene	U	0.6	benzo(b)fluoranthene	0.8	0.6
2-nitroaniline	U	0.6	benzo(k)fluoranthene	0.7	0.6
acenaphthylene	U	0.6	benzo(a)pyrene	0.7	0.6
dimethylphthalate	U	0.6	indeno(1,2,3-cd)pyrene	0.7	0.6
2,6-dinitrotoluene	U	0.6	dibenz(a,h)anthracene	U	0.6
			benzo(g,h,i)perylene	U	0.6

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	65	21-100	nitrobenzene-d5	69	35-114
phenol-d5	63	10-102	2-fluorobiphenyl	68	43-116
2,4,6-tribromophenol	73	10-123	terphenyl-d14	83	33-141

U = Below quantitation limit

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Lab Number:	20509-074
Sample Designation:	NBH_PH4SAP_PC13_01A
Date Sampled:	12/17/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	1
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	1
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	1
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	0.5
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	0.7	0.5
benzoic acid	U	5	benzidine	U	5
4-chloroaniline	U	0.5	pyrene	1.1	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	0.5	0.5
2-methylnaphthalene	U	0.5	chrysene	0.6	0.5
hexachlorocyclopentadiene	U	1	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.2	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	0.6	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	0.5	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	0.5	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	U	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	69	21-100	nitrobenzene-d5	72	35-114
phenol-d5	66	10-102	2-fluorobiphenyl	67	43-116
2,4,6-tribromophenol	68	10-123	terphenyl-d14	76	33-141

U = Below quantitation limit

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Lab Number:	20509-077
Sample Designation:	NBH_PH4SAP_PC13_03A
Date Sampled:	12/17/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.4	2,4-dinitrotoluene	U	0.8
phenol	U	0.4	acenaphthene	U	0.4
2-chlorophenol	U	0.4	3-nitroaniline	U	0.4
bis(2-chloroethyl)ether	U	0.4	2,4-dinitrophenol	U	0.8
1,3-dichlorobenzene	U	0.4	dibenzofuran	U	0.4
1,4-dichlorobenzene	U	0.4	4-nitrophenol	U	0.8
1,2-dichlorobenzene	U	0.4	fluorene	U	0.4
benzyl alcohol	U	0.4	4-chlorophenyl phenyl ether	U	0.4
2-methylphenol (m-cresol)	U	0.4	diethyl phthalate	U	0.4
bis(2-chloroisopropyl)ether	U	0.4	4-nitroaniline	U	0.4
hexachloroethane	U	0.4	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.4	4-bromophenyl-phenylether	U	0.4
3- and 4-methylphenol (p- and o-cresol)	U	0.4	N-nitrosodiphenylamine	U	0.4
nitrobenzene	U	0.4	1,2-diphenylhydrazine (azobenzene)	U	0.4
isophorone	U	0.4	4-bromophenyl phenyl ether	U	0.4
2-nitrophenol	U	0.4	hexachlorobenzene	U	0.4
2,4-dimethylphenol	U	0.4	pentachlorophenol	U	0.4
bis(2-chloroethoxy)methane	U	0.4	phenanthrene	0.5	0.4
2,4-dichlorophenol	U	0.4	anthracene	U	0.4
2,6-dichlorophenol	U	0.4	carbazole	U	0.4
1,2,4-trichlorobenzene	U	0.4	di-n-butylphthalate	U	0.4
naphthalene	U	0.4	fluoranthene	1.3	0.4
benzoic acid	U	4	benzidine	U	4
4-chloroaniline	U	0.4	pyrene	1.8	0.4
hexachloro-1,3-butadiene	U	0.4	butylbenzylphthalate	U	0.4
4-chloro-3-methylphenol	U	0.4	benzo(a)anthracene	0.7	0.4
2-methylnaphthalene	U	0.4	chrysene	0.8	0.4
hexachlorocyclopentadiene	U	0.8	3,3'-dichlorobenzidine	U	0.4
2,4,6-trichlorophenol	U	0.4	bis(2-ethylhexyl)phthalate	1	0.4
2,4,5-trichlorophenol	U	0.4	di-n-octylphthalate	U	0.4
2-chloronaphthalene	U	0.4	benzo(b)fluoranthene	0.8	0.4
2-nitroaniline	U	0.4	benzo(k)fluoranthene	0.7	0.4
acenaphthylene	U	0.4	benzo(a)pyrene	0.7	0.4
dimethylphthalate	U	0.4	indeno(1,2,3-cd)pyrene	0.5	0.4
2,6-dinitrotoluene	U	0.4	dibenz(a,h)anthracene	U	0.4
			benzo(g,h,i)perylene	U	0.4

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	74	21-100	nitrobenzene-d5	78	35-114
phenol-d5	72	10-102	2-fluorobiphenyl	72	43-116
2,4,6-tribromophenol	75	10-123	terphenyl-d14	86	33-141

U = Below quantitation limit

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Lab Number:	20509-080
Sample Designation:	NBH_PH4SAP_PC13_08A
Date Sampled:	12/17/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	1
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	1
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	1
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	0.5
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	0.5	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	1.2	0.5
benzoic acid	U	5	benzidine	U	5
4-chloroaniline	U	0.5	pyrene	1.4	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	0.7	0.5
2-methylnaphthalene	U	0.5	chrysene	0.8	0.5
hexachlorocyclopentadiene	U	1	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.6	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	0.7	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	0.7	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	0.7	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	0.5	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	78	21-100	nitrobenzene-d5	85	35-114
phenol-d5	76	10-102	2-fluorobiphenyl	77	43-116
2,4,6-tribromophenol	78	10-123	terphenyl-d14	84	33-141

U = Below quantitation limit

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Lab Number:	20509-082
Sample Designation:	NBH_PH4SAP_PC13_14A
Date Sampled:	12/17/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.6
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.6
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.6
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	0.6	0.3
2,4-dichlorophenol	U	0.3	anthracene	U	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	U	0.3
naphthalene	U	0.3	fluoranthene	0.8	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	1.2	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	U	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	0.6	0.3
2-methylnaphthalene	U	0.3	chrysene	0.7	0.3
hexachlorocyclopentadiene	U	0.6	3,3'-dichlorobenzidine	U	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	3.3	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	0.5	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	0.4	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	0.4	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	0.3	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	U	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	72	21-100	nitrobenzene-d5	74	35-114
phenol-d5	70	10-102	2-fluorobiphenyl	71	43-116
2,4,6-tribromophenol	75	10-123	terphenyl-d14	83	33-141

U = Below quantitation limit

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Lab Number:	20509-084
Sample Designation:	NBH_PH4SAP_PC13E_02A
Date Sampled:	12/21/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.5	2,4-dinitrotoluene	U	1
phenol	U	0.5	acenaphthene	U	0.5
2-chlorophenol	U	0.5	3-nitroaniline	U	0.5
bis(2-chloroethyl)ether	U	0.5	2,4-dinitrophenol	U	1
1,3-dichlorobenzene	U	0.5	dibenzofuran	U	0.5
1,4-dichlorobenzene	U	0.5	4-nitrophenol	U	1
1,2-dichlorobenzene	U	0.5	fluorene	U	0.5
benzyl alcohol	U	0.5	4-chlorophenyl phenyl ether	U	0.5
2-methylphenol (m-cresol)	U	0.5	diethyl phthalate	U	0.5
bis(2-chloroisopropyl)ether	U	0.5	4-nitroaniline	U	0.5
hexachloroethane	U	0.5	4,6-dinitro-2-methylphenol	U	3
N-nitroso-di-n-propylamine	U	0.5	4-bromophenyl-phenylether	U	0.5
3- and 4-methylphenol (p- and o-cresol)	U	0.5	N-nitrosodiphenylamine	U	0.5
nitrobenzene	U	0.5	1,2-diphenylhydrazine (azobenzene)	U	0.5
isophorone	U	0.5	4-bromophenyl phenyl ether	U	0.5
2-nitrophenol	U	0.5	hexachlorobenzene	U	0.5
2,4-dimethylphenol	U	0.5	pentachlorophenol	U	0.5
bis(2-chloroethoxy)methane	U	0.5	phenanthrene	U	0.5
2,4-dichlorophenol	U	0.5	anthracene	U	0.5
2,6-dichlorophenol	U	0.5	carbazole	U	0.5
1,2,4-trichlorobenzene	U	0.5	di-n-butylphthalate	U	0.5
naphthalene	U	0.5	fluoranthene	1.1	0.5
benzoic acid	U	5	benzidine	U	5
4-chloroaniline	U	0.5	pyrene	1.3	0.5
hexachloro-1,3-butadiene	U	0.5	butylbenzylphthalate	U	0.5
4-chloro-3-methylphenol	U	0.5	benzo(a)anthracene	0.6	0.5
2-methylnaphthalene	U	0.5	chrysene	0.7	0.5
hexachlorocyclopentadiene	U	1	3,3'-dichlorobenzidine	U	0.5
2,4,6-trichlorophenol	U	0.5	bis(2-ethylhexyl)phthalate	1.1	0.5
2,4,5-trichlorophenol	U	0.5	di-n-octylphthalate	U	0.5
2-chloronaphthalene	U	0.5	benzo(b)fluoranthene	0.8	0.5
2-nitroaniline	U	0.5	benzo(k)fluoranthene	0.6	0.5
acenaphthylene	U	0.5	benzo(a)pyrene	0.6	0.5
dimethylphthalate	U	0.5	indeno(1,2,3-cd)pyrene	0.6	0.5
2,6-dinitrotoluene	U	0.5	dibenz(a,h)anthracene	U	0.5
			benzo(g,h,i)perylene	U	0.5

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	75	21-100	nitrobenzene-d5	78	35-114
phenol-d5	71	10-102	2-fluorobiphenyl	71	43-116
2,4,6-tribromophenol	78	10-123	terphenyl-d14	86	33-141

U = Below quantitation limit

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Lab Number:	20509-085
Sample Designation:	NBH_PH4SAP_PC13_02A
Date Sampled:	12/21/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.7
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.7
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.7
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	U	0.3
2,4-dichlorophenol	U	0.3	anthracene	U	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	U	0.3
naphthalene	U	0.3	fluoranthene	0.5	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	0.5	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	U	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	U	0.3
2-methylnaphthalene	U	0.3	chrysene	0.3	0.3
hexachlorocyclopentadiene	U	0.7	3,3'-dichlorobenzidine	U	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	0.5	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	U	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	U	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	U	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	U	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	U	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	75	21-100	nitrobenzene-d5	79	35-114
phenol-d5	72	10-102	2-fluorobiphenyl	74	43-116
2,4,6-tribromophenol	78	10-123	terphenyl-d14	86	33-141

U = Below quantitation limit

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Lab Number:	20509-086
Sample Designation:	NBH_PH4SAP_PC13_04A
Date Sampled:	12/21/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.2	2,4-dinitrotoluene	U	0.5
phenol	U	0.2	acenaphthene	U	0.2
2-chlorophenol	U	0.2	3-nitroaniline	U	0.2
bis(2-chloroethyl)ether	U	0.2	2,4-dinitrophenol	U	0.5
1,3-dichlorobenzene	U	0.2	dibenzofuran	U	0.2
1,4-dichlorobenzene	U	0.2	4-nitrophenol	U	0.5
1,2-dichlorobenzene	U	0.2	fluorene	U	0.2
benzyl alcohol	U	0.2	4-chlorophenyl phenyl ether	U	0.2
2-methylphenol (m-cresol)	U	0.2	diethyl phthalate	U	0.2
bis(2-chloroisopropyl)ether	U	0.2	4-nitroaniline	U	0.2
hexachloroethane	U	0.2	4,6-dinitro-2-methylphenol	U	1
N-nitroso-di-n-propylamine	U	0.2	4-bromophenyl-phenylether	U	0.2
3- and 4-methylphenol (p- and o-cresol)	U	0.2	N-nitrosodiphenylamine	U	0.2
nitrobenzene	U	0.2	1,2-diphenylhydrazine (azobenzene)	U	0.2
isophorone	U	0.2	4-bromophenyl phenyl ether	U	0.2
2-nitrophenol	U	0.2	hexachlorobenzene	U	0.2
2,4-dimethylphenol	U	0.2	pentachlorophenol	U	0.2
bis(2-chloroethoxy)methane	U	0.2	phenanthrene	U	0.2
2,4-dichlorophenol	U	0.2	anthracene	U	0.2
2,6-dichlorophenol	U	0.2	carbazole	U	0.2
1,2,4-trichlorobenzene	U	0.2	di-n-butylphthalate	U	0.2
naphthalene	U	0.2	fluoranthene	U	0.2
benzoic acid	U	2	benzidine	U	2
4-chloroaniline	U	0.2	pyrene	U	0.2
hexachloro-1,3-butadiene	U	0.2	butylbenzylphthalate	U	0.2
4-chloro-3-methylphenol	U	0.2	benzo(a)anthracene	U	0.2
2-methylnaphthalene	U	0.2	chrysene	U	0.2
hexachlorocyclopentadiene	U	0.5	3,3'-dichlorobenzidine	U	0.2
2,4,6-trichlorophenol	U	0.2	bis(2-ethylhexyl)phthalate	U	0.2
2,4,5-trichlorophenol	U	0.2	di-n-octylphthalate	U	0.2
2-chloronaphthalene	U	0.2	benzo(b)fluoranthene	U	0.2
2-nitroaniline	U	0.2	benzo(k)fluoranthene	U	0.2
acenaphthylene	U	0.2	benzo(a)pyrene	U	0.2
dimethylphthalate	U	0.2	indeno(1,2,3-cd)pyrene	U	0.2
2,6-dinitrotoluene	U	0.2	dibenz(a,h)anthracene	U	0.2
			benzo(g,h,i)perylene	U	0.2

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	78	21-100	nitrobenzene-d5	83	35-114
phenol-d5	79	10-102	2-fluorobiphenyl	80	43-116
2,4,6-tribromophenol	81	10-123	terphenyl-d14	86	33-141

U = Below quantitation limit

ESI

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Lab Number:	20509-087
Sample Designation:	NBH_PH4SAP_PC13_07A
Date Sampled:	12/21/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.6
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.6
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.6
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	1
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	U	0.3
2,4-dichlorophenol	U	0.3	anthracene	U	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	U	0.3
naphthalene	U	0.3	fluoranthene	U	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	U	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	U	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	U	0.3
2-methylnaphthalene	U	0.3	chrysene	U	0.3
hexachlorocyclopentadiene	U	0.6	3,3'-dichlorobenzidine	U	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	U	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	U	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	U	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	U	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	U	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	U	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	77	21-100	nitrobenzene-d5	82	35-114
phenol-d5	77	10-102	2-fluorobiphenyl	77	43-116
2,4,6-tribromophenol	74	10-123	terphenyl-d14	88	33-141

U = Below quantitation limit

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Lab Number:	20509-088
Sample Designation:	NBH_PH4SAP_PC13_23A
Date Sampled:	12/21/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.5
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.5
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.5
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	1
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	U	0.3
2,4-dichlorophenol	U	0.3	anthracene	U	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	U	0.3
naphthalene	U	0.3	fluoranthene	U	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	U	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	U	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	U	0.3
2-methylnaphthalene	U	0.3	chrysene	U	0.3
hexachlorocyclopentadiene	U	0.5	3,3'-dichlorobenzidine	U	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	U	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	U	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	U	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	U	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	U	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	U	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	76	21-100	nitrobenzene-d5	82	35-114
phenol-d5	76	10-102	2-fluorobiphenyl	77	43-116
2,4,6-tribromophenol	73	10-123	terphenyl-d14	81	33-141

U = Below quantitation limit

ESI

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Lab Number:	20509-089
Sample Designation:	NBH_PH4SAP_PC13_32A
Date Sampled:	12/21/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.6
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.6
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.6
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	U	0.3
2,4-dichlorophenol	U	0.3	anthracene	U	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	U	0.3
naphthalene	U	0.3	fluoranthene	U	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	U	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	U	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	U	0.3
2-methylnaphthalene	U	0.3	chrysene	U	0.3
hexachlorocyclopentadiene	U	0.6	3,3'-dichlorobenzidine	U	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	U	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	U	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	U	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	U	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	U	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	U	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	80	21-100	nitrobenzene-d5	81	35-114
phenol-d5	77	10-102	2-fluorobiphenyl	74	43-116
2,4,6-tribromophenol	68	10-123	terphenyl-d14	79	33-141

U = Below quantitation limit

ESI

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Lab Number:	20509-092
Sample Designation:	NBH_PH4SAP_PC13_33A
Date Sampled:	12/21/10
Date Extracted:	12/31/10
Date Analyzed:	01/08/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Reporting Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.3	2,4-dinitrotoluene	U	0.5
phenol	U	0.3	acenaphthene	U	0.3
2-chlorophenol	U	0.3	3-nitroaniline	U	0.3
bis(2-chloroethyl)ether	U	0.3	2,4-dinitrophenol	U	0.5
1,3-dichlorobenzene	U	0.3	dibenzofuran	U	0.3
1,4-dichlorobenzene	U	0.3	4-nitrophenol	U	0.5
1,2-dichlorobenzene	U	0.3	fluorene	U	0.3
benzyl alcohol	U	0.3	4-chlorophenyl phenyl ether	U	0.3
2-methylphenol (m-cresol)	U	0.3	diethyl phthalate	U	0.3
bis(2-chloroisopropyl)ether	U	0.3	4-nitroaniline	U	0.3
hexachloroethane	U	0.3	4,6-dinitro-2-methylphenol	U	1
N-nitroso-di-n-propylamine	U	0.3	4-bromophenyl-phenylether	U	0.3
3- and 4-methylphenol (p- and o-cresol)	U	0.3	N-nitrosodiphenylamine	U	0.3
nitrobenzene	U	0.3	1,2-diphenylhydrazine (azobenzene)	U	0.3
isophorone	U	0.3	4-bromophenyl phenyl ether	U	0.3
2-nitrophenol	U	0.3	hexachlorobenzene	U	0.3
2,4-dimethylphenol	U	0.3	pentachlorophenol	U	0.3
bis(2-chloroethoxy)methane	U	0.3	phenanthrene	U	0.3
2,4-dichlorophenol	U	0.3	anthracene	U	0.3
2,6-dichlorophenol	U	0.3	carbazole	U	0.3
1,2,4-trichlorobenzene	U	0.3	di-n-butylphthalate	U	0.3
naphthalene	U	0.3	fluoranthene	0.5	0.3
benzoic acid	U	3	benzidine	U	3
4-chloroaniline	U	0.3	pyrene	0.4	0.3
hexachloro-1,3-butadiene	U	0.3	butylbenzylphthalate	U	0.3
4-chloro-3-methylphenol	U	0.3	benzo(a)anthracene	U	0.3
2-methylnaphthalene	U	0.3	chrysene	U	0.3
hexachlorocyclopentadiene	U	0.5	3,3'-dichlorobenzidine	U	0.3
2,4,6-trichlorophenol	U	0.3	bis(2-ethylhexyl)phthalate	0.3	0.3
2,4,5-trichlorophenol	U	0.3	di-n-octylphthalate	U	0.3
2-chloronaphthalene	U	0.3	benzo(b)fluoranthene	U	0.3
2-nitroaniline	U	0.3	benzo(k)fluoranthene	U	0.3
acenaphthylene	U	0.3	benzo(a)pyrene	U	0.3
dimethylphthalate	U	0.3	indeno(1,2,3-cd)pyrene	U	0.3
2,6-dinitrotoluene	U	0.3	dibenz(a,h)anthracene	U	0.3
			benzo(g,h,i)perylene	U	0.3

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	70	21-100	nitrobenzene-d5	81	35-114
phenol-d5	75	10-102	2-fluorobiphenyl	79	43-116
2,4,6-tribromophenol	75	10-123	terphenyl-d14	87	33-141

U = Below quantitation limit

ESI

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PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-061
Sample Designation:	NBH_PH4SAP_PC13E_02D
Date Sampled:	12/16/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	40
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	5

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	92	
18	2,2',5-trichlorobiphenyl	*	110	
28	2,4,4'-trichlorobiphenyl	*	410	
44	2,2',3,5'-tetrachlorobiphenyl	*	110	
49	2,2',4,5'-tetrachlorobiphenyl	*	250	
52	2,2',5,5'-tetrachlorobiphenyl	*	320	
66	2,3',4,4'-tetrachlorobiphenyl	*	390	
77	3,3',4,4'-tetrachlorobiphenyl		37	
87	2,2',3,4,5'-pentachlorobiphenyl		140	
101	2,2',4,5,5'-pentachlorobiphenyl	*	370	
105	2,3,3',4,4'-pentachlorobiphenyl		140	
118	2,3',4,4',5-pentachlorobiphenyl	*	410	
126	3,3',4,4',5-pentachlorobiphenyl		2.1	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	73	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	330	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	220	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	31	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	2.1	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	32	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	35	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		14	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	2.1	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	27	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	3.6	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	3	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	2.1	U

Total PCBs by Sum of congeners (*) multiplied by 2 6500

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	84	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-064
Sample Designation:	NBH_PH4SAP_PC13E_03D
Date Sampled:	12/16/10
Date Extracted:	12/22/10
Date Analyzed:	01/24/11
Matrix:	Solid
Moisture (%):	36
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	2.8	
18	2,2',5-trichlorobiphenyl	*	10	
28	2,4,4'-trichlorobiphenyl	*	29	
44	2,2',3,5'-tetrachlorobiphenyl	*	10	
49	2,2',4,5'-tetrachlorobiphenyl	*	22	
52	2,2',5,5'-tetrachlorobiphenyl	*	44	
66	2,3',4,4'-tetrachlorobiphenyl	*	21	
77	3,3',4,4'-tetrachlorobiphenyl		0.39	U
87	2,2',3,4,5'-pentachlorobiphenyl		28	
101	2,2',4,5,5'-pentachlorobiphenyl	*	77	
105	2,3,3',4,4'-pentachlorobiphenyl		25	
118	2,3',4,4',5-pentachlorobiphenyl	*	65	
126	3,3',4,4',5-pentachlorobiphenyl		0.39	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	15	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	52	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	46	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	4.2	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.39	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	4.7	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	6.8	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		1.9	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.39	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	3.4	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.39	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	1.5	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	1.1	
Total PCBs by Sum of congeners (*) multiplied by 2			830	

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	60	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-066
Sample Designation:	NBH_PH4SAP_PC13E_04D
Date Sampled:	12/16/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	56
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	5

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	140	
18	2,2',5-trichlorobiphenyl	*	180	
28	2,4,4'-trichlorobiphenyl	*	670	
44	2,2',3,5'-tetrachlorobiphenyl	*	120	
49	2,2',4,5'-tetrachlorobiphenyl	*	360	
52	2,2',5,5'-tetrachlorobiphenyl	*	430	
66	2,3',4,4'-tetrachlorobiphenyl	*	540	
77	3,3',4,4'-tetrachlorobiphenyl		58	
87	2,2',3,4,5'-pentachlorobiphenyl		210	
101	2,2',4,5,5'-pentachlorobiphenyl	*	500	
105	2,3,3',4,4'-pentachlorobiphenyl		170	
118	2,3',4,4',5-pentachlorobiphenyl	*	670	
126	3,3',4,4',5-pentachlorobiphenyl		12	
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	110	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	500	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	310	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	39	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	2.8	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	47	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	57	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		20	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	2.8	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	41	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	4.7	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	4.2	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	2.8	U

Total PCBs by Sum of congeners (*) multiplied by 2 9500

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	102	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-070
Sample Designation:	NBH_PH4SAP_PC13E_01D
Date Sampled:	12/17/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	68
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	3

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	65	
18	2,2',5-trichlorobiphenyl	*	81	
28	2,4,4'-trichlorobiphenyl	*	440	
44	2,2',3,5'-tetrachlorobiphenyl	*	77	
49	2,2',4,5'-tetrachlorobiphenyl	*	280	
52	2,2',5,5'-tetrachlorobiphenyl	*	330	
66	2,3',4,4'-tetrachlorobiphenyl	*	240	
77	3,3',4,4'-tetrachlorobiphenyl		32	
87	2,2',3,4,5'-pentachlorobiphenyl		140	
101	2,2',4,5,5'-pentachlorobiphenyl	*	330	
105	2,3,3',4,4'-pentachlorobiphenyl		140	
118	2,3',4,4',5-pentachlorobiphenyl	*	390	
126	3,3',4,4',5-pentachlorobiphenyl		2.4	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	88	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	340	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	270	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	32	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	2.4	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	49	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	44	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		17	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	2.4	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	41	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	3.2	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	4	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	3	

Total PCBs by Sum of congeners (*) multiplied by 2 6200

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	94	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-074
Sample Designation:	NBH_PH4SAP_PC13_01A
Date Sampled:	12/17/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	58
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	3

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	69	
18	2,2',5-trichlorobiphenyl	*	85	
28	2,4,4'-trichlorobiphenyl	*	350	
44	2,2',3,5'-tetrachlorobiphenyl	*	81	
49	2,2',4,5'-tetrachlorobiphenyl	*	240	
52	2,2',5,5'-tetrachlorobiphenyl	*	320	
66	2,3',4,4'-tetrachlorobiphenyl	*	310	
77	3,3',4,4'-tetrachlorobiphenyl		39	
87	2,2',3,4,5'-pentachlorobiphenyl		150	
101	2,2',4,5,5'-pentachlorobiphenyl	*	360	
105	2,3,3',4,4'-pentachlorobiphenyl		130	
118	2,3',4,4',5-pentachlorobiphenyl	*	410	
126	3,3',4,4',5-pentachlorobiphenyl		1.8	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	95	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	330	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	260	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	33	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	1.8	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	39	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	42	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		17	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	1.8	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	34	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	3	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	3.4	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	1.8	U
Total PCBs by Sum of congeners (*) multiplied by 2			6100	

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	93	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-077
Sample Designation:	NBH_PH4SAP_PC13_03A
Date Sampled:	12/17/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	50
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	3

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	58	
18	2,2',5-trichlorobiphenyl	*	71	
28	2,4,4'-trichlorobiphenyl	*	290	
44	2,2',3,5'-tetrachlorobiphenyl	*	67	
49	2,2',4,5'-tetrachlorobiphenyl	*	200	
52	2,2',5,5'-tetrachlorobiphenyl	*	270	
66	2,3',4,4'-tetrachlorobiphenyl	*	260	
77	3,3',4,4'-tetrachlorobiphenyl		32	
87	2,2',3,4,5'-pentachlorobiphenyl		120	
101	2,2',4,5,5'-pentachlorobiphenyl	*	300	
105	2,3,3',4,4'-pentachlorobiphenyl		110	
118	2,3',4,4',5-pentachlorobiphenyl	*	350	
126	3,3',4,4',5-pentachlorobiphenyl		1.5	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	79	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	270	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	220	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	27	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	1.5	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	33	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	35	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		14	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	1.5	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	28	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	2.5	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	2.9	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	1.5	U

Total PCBs by Sum of congeners (*) multiplied by 2 5100

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	93	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-080
Sample Designation:	NBH_PH4SAP_PC13_08A
Date Sampled:	12/17/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	58
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	5

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	160	
18	2,2',5-trichlorobiphenyl	*	180	
28	2,4,4'-trichlorobiphenyl	*	770	
44	2,2',3,5'-tetrachlorobiphenyl	*	140	
49	2,2',4,5'-tetrachlorobiphenyl	*	420	
52	2,2',5,5'-tetrachlorobiphenyl	*	480	
66	2,3',4,4'-tetrachlorobiphenyl	*	610	
77	3,3',4,4'-tetrachlorobiphenyl		79	
87	2,2',3,4,5'-pentachlorobiphenyl		270	
101	2,2',4,5,5'-pentachlorobiphenyl	*	680	
105	2,3,3',4,4'-pentachlorobiphenyl		270	
118	2,3',4,4',5-pentachlorobiphenyl	*	790	
126	3,3',4,4',5-pentachlorobiphenyl		3	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	160	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	610	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	420	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	66	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	3	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	66	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	67	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		26	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	3	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	53	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	4.4	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	3.8	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	3	U

Total PCBs by Sum of congeners (*) multiplied by 2 11000

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	154	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-082
Sample Designation:	NBH_PH4SAP_PC13_14A
Date Sampled:	12/17/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	36
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	2

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	20	
18	2,2',5-trichlorobiphenyl	*	29	
28	2,4,4'-trichlorobiphenyl	*	150	
44	2,2',3,5'-tetrachlorobiphenyl	*	23	
49	2,2',4,5'-tetrachlorobiphenyl	*	110	
52	2,2',5,5'-tetrachlorobiphenyl	*	120	
66	2,3',4,4'-tetrachlorobiphenyl	*	95	
77	3,3',4,4'-tetrachlorobiphenyl		14	
87	2,2',3,4,5'-pentachlorobiphenyl		46	
101	2,2',4,5,5'-pentachlorobiphenyl	*	130	
105	2,3,3',4,4'-pentachlorobiphenyl		33	
118	2,3',4,4',5-pentachlorobiphenyl	*	160	
126	3,3',4,4',5-pentachlorobiphenyl		2.4	
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	27	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	120	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	97	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	12	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.78	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	14	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	16	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		6.1	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.78	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	13	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	1.2	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	1.3	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.78	U
Total PCBs by Sum of congeners (*) multiplied by 2			2300	

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	90	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-084
Sample Designation:	NBH_PH4SAP_PC13E_02A
Date Sampled:	12/21/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Moisture (%):	63
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	2

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	45	
18	2,2',5-trichlorobiphenyl	*	48	
28	2,4,4'-trichlorobiphenyl	*	280	
44	2,2',3,5'-tetrachlorobiphenyl	*	39	
49	2,2',4,5'-tetrachlorobiphenyl	*	180	
52	2,2',5,5'-tetrachlorobiphenyl	*	210	
66	2,3',4,4'-tetrachlorobiphenyl	*	130	
77	3,3',4,4'-tetrachlorobiphenyl		19	
87	2,2',3,4,5'-pentachlorobiphenyl		67	
101	2,2',4,5,5'-pentachlorobiphenyl	*	210	
105	2,3,3',4,4'-pentachlorobiphenyl		79	
118	2,3',4,4',5-pentachlorobiphenyl	*	270	
126	3,3',4,4',5-pentachlorobiphenyl		10	
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	60	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	240	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	190	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	21	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	1.3	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	27	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	29	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		11	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	1.3	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	27	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	2.2	
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	2.8	
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	1.3	U

Total PCBs by Sum of congeners (*) multiplied by 2 4000

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	83	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-085
Sample Designation:	NBH_PH4SAP_PC13_02A
Date Sampled:	12/21/10
Date Extracted:	12/22/10
Date Analyzed:	01/01/11
Matrix:	Solid
Moisture (%):	42
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	8.7	
18	2,2',5-trichlorobiphenyl	*	12	
28	2,4,4'-trichlorobiphenyl	*	43	
44	2,2',3,5'-tetrachlorobiphenyl	*	9.6	
49	2,2',4,5'-tetrachlorobiphenyl	*	37	
52	2,2',5,5'-tetrachlorobiphenyl	*	54	
66	2,3',4,4'-tetrachlorobiphenyl	*	30	
77	3,3',4,4'-tetrachlorobiphenyl		4.1	
87	2,2',3,4,5'-pentachlorobiphenyl		14	
101	2,2',4,5,5'-pentachlorobiphenyl	*	37	
105	2,3,3',4,4'-pentachlorobiphenyl		11	
118	2,3',4,4',5-pentachlorobiphenyl	*	47	
126	3,3',4,4',5-pentachlorobiphenyl		1.7	
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	9.8	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	44	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	31	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	3	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.43	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	4.9	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	4.8	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		1.9	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.43	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	4.1	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.43	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.43	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.43	U

Total PCBs by Sum of congeners (*) multiplied by 2 760

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	85	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-086
Sample Designation:	NBH_PH4SAP_PC13_04A
Date Sampled:	12/21/10
Date Extracted:	12/22/10
Date Analyzed:	01/01/11
Matrix:	Solid
Moisture (%):	20
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	1.1	
18	2,2',5-trichlorobiphenyl	*	2.9	
28	2,4,4'-trichlorobiphenyl	*	11	
44	2,2',3,5'-tetrachlorobiphenyl	*	2.2	
49	2,2',4,5'-tetrachlorobiphenyl	*	8	
52	2,2',5,5'-tetrachlorobiphenyl	*	12	
66	2,3',4,4'-tetrachlorobiphenyl	*	7.9	
77	3,3',4,4'-tetrachlorobiphenyl		1.1	
87	2,2',3,4,5'-pentachlorobiphenyl		5.2	
101	2,2',4,5,5'-pentachlorobiphenyl	*	13	
105	2,3,3',4,4'-pentachlorobiphenyl		4.6	
118	2,3',4,4',5-pentachlorobiphenyl	*	15	
126	3,3',4,4',5-pentachlorobiphenyl		0.31	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	3.6	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	14	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	9	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	1.3	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.31	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	1.2	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	1.5	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.62	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.31	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	1.4	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.31	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.31	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.31	U
Total PCBs by Sum of congeners (*) multiplied by 2			210	

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	89	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-087
Sample Designation:	NBH_PH4SAP_PC13_07A
Date Sampled:	12/21/10
Date Extracted:	12/22/10
Date Analyzed:	01/01/11
Matrix:	Solid
Moisture (%):	30
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	5.9	
18	2,2',5-trichlorobiphenyl	*	7.9	
28	2,4,4'-trichlorobiphenyl	*	32	
44	2,2',3,5'-tetrachlorobiphenyl	*	5.6	
49	2,2',4,5'-tetrachlorobiphenyl	*	19	
52	2,2',5,5'-tetrachlorobiphenyl	*	29	
66	2,3',4,4'-tetrachlorobiphenyl	*	20	
77	3,3',4,4'-tetrachlorobiphenyl		2.4	
87	2,2',3,4,5'-pentachlorobiphenyl		11	
101	2,2',4,5,5'-pentachlorobiphenyl	*	27	
105	2,3,3',4,4'-pentachlorobiphenyl		10	
118	2,3',4,4',5-pentachlorobiphenyl	*	32	
126	3,3',4,4',5-pentachlorobiphenyl		0.36	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	6.7	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	30	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	20	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	2.1	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.36	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	3.1	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	3.3	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		1.2	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.36	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	3.2	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.36	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.36	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.36	U

Total PCBs by Sum of congeners (*) multiplied by 2 500

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	83	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-088
Sample Designation:	NBH_PH4SAP_PC13_23A
Date Sampled:	12/21/10
Date Extracted:	12/22/10
Date Analyzed:	01/24/11
Matrix:	Solid
Moisture (%):	25
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.33	U
18	2,2',5-trichlorobiphenyl	*	1.1	
28	2,4,4'-trichlorobiphenyl	*	6	
44	2,2',3,5'-tetrachlorobiphenyl	*	1.5	
49	2,2',4,5'-tetrachlorobiphenyl	*	5.4	
52	2,2',5,5'-tetrachlorobiphenyl	*	7.2	
66	2,3',4,4'-tetrachlorobiphenyl	*	3.7	
77	3,3',4,4'-tetrachlorobiphenyl		0.33	U
87	2,2',3,4,5'-pentachlorobiphenyl		1.5	
101	2,2',4,5,5'-pentachlorobiphenyl	*	6.9	
105	2,3,3',4,4'-pentachlorobiphenyl		1.8	
118	2,3',4,4',5-pentachlorobiphenyl	*	5.7	
126	3,3',4,4',5-pentachlorobiphenyl		0.33	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	1.5	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	5.9	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	4.7	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.33	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.33	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	0.46	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	0.96	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.33	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.33	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.65	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.33	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.33	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.33	U
Total PCBs by Sum of congeners (*) multiplied by 2			110	

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	87	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-089
Sample Designation:	NBH_PH4SAP_PC13_32A
Date Sampled:	12/21/10
Date Extracted:	12/22/10
Date Analyzed:	01/01/11
Matrix:	Solid
Moisture (%):	34
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.38	U
18	2,2',5-trichlorobiphenyl	*	1.2	
28	2,4,4'-trichlorobiphenyl	*	3.6	
44	2,2',3,5'-tetrachlorobiphenyl	*	0.97	
49	2,2',4,5'-tetrachlorobiphenyl	*	3.8	
52	2,2',5,5'-tetrachlorobiphenyl	*	4.2	
66	2,3',4,4'-tetrachlorobiphenyl	*	3.9	
77	3,3',4,4'-tetrachlorobiphenyl		0.38	U
87	2,2',3,4,5'-pentachlorobiphenyl		2.2	
101	2,2',4,5,5'-pentachlorobiphenyl	*	6.4	
105	2,3,3',4,4'-pentachlorobiphenyl		2.5	
118	2,3',4,4',5-pentachlorobiphenyl	*	9	
126	3,3',4,4',5-pentachlorobiphenyl		0.38	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	2.4	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	8.5	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	5	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	0.73	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.38	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	1	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	1	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.4	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.38	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	0.78	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.38	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.38	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.38	U
Total PCBs by Sum of congeners (*) multiplied by 2			110	

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	63	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-092
Sample Designation:	NBH_PH4SAP_PC13_33A
Date Sampled:	12/21/10
Date Extracted:	12/22/10
Date Analyzed:	01/24/11
Matrix:	Solid
Moisture (%):	27
Sample Amount (g):	20
Final Volume (mL)	5.0
Dilution Factor:	1

Congener Number	PCB Congener		Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	*	0.89	
18	2,2',5-trichlorobiphenyl	*	8.6	
28	2,4,4'-trichlorobiphenyl	*	20	
44	2,2',3,5'-tetrachlorobiphenyl	*	5.8	
49	2,2',4,5'-tetrachlorobiphenyl	*	23	
52	2,2',5,5'-tetrachlorobiphenyl	*	32	
66	2,3',4,4'-tetrachlorobiphenyl	*	12	
77	3,3',4,4'-tetrachlorobiphenyl		0.62	
87	2,2',3,4,5'-pentachlorobiphenyl		8.8	
101	2,2',4,5,5'-pentachlorobiphenyl	*	33	
105	2,3,3',4,4'-pentachlorobiphenyl		8.5	
118	2,3',4,4',5-pentachlorobiphenyl	*	27	
126	3,3',4,4',5-pentachlorobiphenyl		0.34	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	*	5.1	
138	2,2',3,4,4',5'-hexachlorobiphenyl	*	23	
153	2,2',4,4',5,5'-hexachlorobiphenyl	*	20	
156	2,3,3',4,4',5-hexachlorobiphenyl	*	1.6	
169	3,3',4,4',5,5'-hexachlorobiphenyl	*	0.34	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	*	2.1	
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	*	3.4	
183	2,2',3,4,4',5',6-heptachlorobiphenyl		0.93	
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	*	0.34	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	*	2.1	
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	*	0.34	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	*	0.34	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	*	0.34	U
Total PCBs by Sum of congeners (*) multiplied by 2			440	

Surrogate Standard	Recovery (%)	Advisory Limits (%)
PCB 198	71	30 - 150

U = Not detected at value reported

Note: Total PCB's by sum of congeners includes a value of one half the reporting limit for asterisked congeners not detected at the reporting limit (U).

Lab Number:	20509-061
Sample Designation:	NBH_PH4SAP_PC13E_02D
Date Sampled:	12/16/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	20
Lube Oil Range Organics	1200	Note 2	13
Total Petroleum Hydrocarbons	U	Note 1	20

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	98	30 - 150
2-fluorobiphenyl	101	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-064
Sample Designation:	NBH_PH4SAP_PC13E_03D
Date Sampled:	12/16/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	10
Lube Oil Range Organics	430	Note 2	12
Total Petroleum Hydrocarbons	U	Note 1	12

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	93	30 - 150
2-fluorobiphenyl	98	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-066
Sample Designation:	NBH_PH4SAP_PC13E_04D
Date Sampled:	12/16/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	60
Lube Oil Range Organics	1500	Note 2	17
Total Petroleum Hydrocarbons	U	Note 1	60

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	100	30 - 150
2-fluorobiphenyl	96	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-070
Sample Designation:	NBH_PH4SAP_PC13E_01D
Date Sampled:	12/17/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	50
Lube Oil Range Organics	1700	Note 2	24
Total Petroleum Hydrocarbons	U	Note 1	50

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	98	30 - 150
2-fluorobiphenyl	97	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-074
Sample Designation:	NBH_PH4SAP_PC13_01A
Date Sampled:	12/17/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	40
Lube Oil Range Organics	1400	Note 2	18
Total Petroleum Hydrocarbons	U	Note 1	40

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	101	30 - 150
2-fluorobiphenyl	107	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-077
Sample Designation:	NBH_PH4SAP_PC13_03A
Date Sampled:	12/17/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	25
Lube Oil Range Organics	1000	Note 2	15
Total Petroleum Hydrocarbons	U	Note 1	25

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	104	30 - 150
2-fluorobiphenyl	101	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-080
Sample Designation:	NBH_PH4SAP_PC13_08A
Date Sampled:	12/17/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	90
Lube Oil Range Organics	2500	Note 2	60
Total Petroleum Hydrocarbons	U	Note 1	90

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	109	30 - 150
2-fluorobiphenyl	105	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-082
Sample Designation:	NBH_PH4SAP_PC13_14A
Date Sampled:	12/17/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	40
Lube Oil Range Organics	800	Note 2	12
Total Petroleum Hydrocarbons	U	Note 1	40

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	103	30 - 150
2-fluorobiphenyl	106	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

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Lab Number:	20509-084
Sample Designation:	NBH_PH4SAP_PC13E_02A
Date Sampled:	12/21/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	20
Lube Oil Range Organics	100	Note 2	20
Total Petroleum Hydrocarbons	U	Note 1	20

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	100	30 - 150
2-fluorobiphenyl	100	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-085
Sample Designation:	NBH_PH4SAP_PC13_02A
Date Sampled:	12/21/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	7
Lube Oil Range Organics	260	Note 2	5
Total Petroleum Hydrocarbons	U	Note 1	7

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	101	30 - 150
2-fluorobiphenyl	98	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-086
Sample Designation:	NBH_PH4SAP_PC13_04A
Date Sampled:	12/21/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U		4
Lube Oil Range Organics	72	Note 2	4
Total Petroleum Hydrocarbons	U		4

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	100	30 - 150
2-fluorobiphenyl	93	30 - 150

U = Below quantitation limit

Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-087
Sample Designation:	NBH_PH4SAP_PC13_07A
Date Sampled:	12/21/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	20
Lube Oil Range Organics	140	Note 2	4
Total Petroleum Hydrocarbons	U	Note 1	20

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	108	30 - 150
2-fluorobiphenyl	105	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

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Lab Number:	20509-088
Sample Designation:	NBH_PH4SAP_PC13_23A
Date Sampled:	12/21/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	15
Lube Oil Range Organics	44	Note 2	4
Total Petroleum Hydrocarbons	U	Note 1	15

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	113	30 - 150
2-fluorobiphenyl	102	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-089
Sample Designation:	NBH_PH4SAP_PC13_32A
Date Sampled:	12/21/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	15
Lube Oil Range Organics	110	Note 2	4
Total Petroleum Hydrocarbons	U	Note 1	15

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	103	30 - 150
2-fluorobiphenyl	93	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Lab Number:	20509-092
Sample Designation:	NBH_PH4SAP_PC13_33A
Date Sampled:	12/21/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

	Concentration (ug/g dry wt)		Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	Note 1	20
Lube Oil Range Organics	140	Note 2	4
Total Petroleum Hydrocarbons	U	Note 1	20

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	104	30 - 150
2-fluorobiphenyl	98	30 - 150

U = Below quantitation limit
Note 1 = Detection limit elevated due to matrix effects. Residue observed was not characteristic of any commercial petroleum product.
Note 2 = Reported concentration may be elevated due to the presence of co-extracted non-petroleum residue in the sample. Value reported may be considered a maximum.

Quality Control Summary

Parameter: Antimony, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.05	0.314	B 0.314		High

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	95.3	100	95	97.5	100	98	Pass
SRM1944	40-140	0.93	5.0	19				Low

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	0.581		1.16		67	J8	High

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	35.5	62.9	1.16		55	J5	Low
20509-061SD	70-130	35.3	63.9	1.16		53	J5	Low

NC = Not calculated.
J5 = MS %R below limit.
J8 = Duplicate %RR above limit.
B = Analyte found in laboratory blank at level indicated. Results may be used with due consideration.

ESI

Quality Control Summary

Parameter: Arsenic, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.05	0.232	B 0.232		High

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	94.9	100	95	95.9	100	96	Pass
SRM1944	62-100	15.3	18.9	81				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	6.68		6.13		9		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	61.8	62.9	6.13		89		Pass
20509-061SD	70-130	62.2	63.9	6.13		88		Pass

NC = Not calculated.
B = Analyte found in laboratory blank at level indicated. Results may be used with due consideration.

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Quality Control Summary

Parameter: Beryllium, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.05	0.05	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	4.81	5	96	5.03	5	101	Pass
SRM1944	40-140	0.63	1.6	39				Low

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	0.422		0.381		10		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	3.62	3.14	0.381		103		Pass
20509-061SD	70-130	3.56	3.19	0.381		100		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Cadmium, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.05	0.05	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	48.7	50	97	49.3	50	99	Pass
SRM1944	57-142	9.13	8.8	92				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	4.72		4.11		14		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	35.7	31.4	4.11		100		Pass
20509-061SD	70-130	35.4	31.9	4.11		98		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Chromium, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.2	0.312	B 0.312		High

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	20.3	20	101	20.9	20	104	Pass
SRM1944	53-100	182	266	68				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	155		143		8		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130		12.6	143		SNR		Pass
20509-061SD	70-130		12.8	143		SNR		Pass

NC = Not calculated.
SNR = Not calculated due to high sample result.
B = Analyte found in laboratory blank at level indicated. Results may be used with due consideration.

Quality Control Summary

Parameter: Copper, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.1	0.1	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	24.1	25	96	24.5	25	98	Pass
SRM1944	58-110	324	380	85				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	286		266		7		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130		15.7	266		SNR		Pass
20509-061SD	70-130		16.0	266		SNR		Pass

NC = Not calculated.
SNR = Not calculated due to high sample result.

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Quality Control Summary

Parameter: Lead, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.05	0.192	B 0.192		High

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	100	100	100	101	100	101	Pass
SRM1944	70-112	303	330	92				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	136		123		10		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	199	62.9	123		121		Pass
20509-061SD	70-130	184	63.9	123		96		Pass

NC = Not calculated.
B = Analyte found in laboratory blank at level indicated. Results may be used with due consideration.

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Quality Control Summary

Parameter: Mercury, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 796S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB796S	0.02	0.02	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS796S	70-130	0.019	0.02	95	0.0200	0.02	100	Pass
SRM1944	56-144	3.17	3.400	93				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	0.33		0.34		3		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130		0.014	0.34		SNR		Pass
20509-061SD	70-130		0.014	0.34		SNR		Pass

NC = Not calculated.
SNR = Not calculated due to high sample result.

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Quality Control Summary

Parameter: Nickel, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.1	0.1	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	48.9	50	98	50.0	50	100	Pass
SRM1944	50-100	54.1	76.1	71				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	23.1		20.6		11		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	50.4	31.4	20.6		95		Pass
20509-061SD	70-130	49.9	31.9	20.6		92		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Selenium, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.1	0.1	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	92.2	100	92	93.5	100	94	Pass
SRM1944	40-140	1.17	1.4	84				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	0.55		0.55		0		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	56.7	62.9	0.55		89		Pass
20509-061SD	70-130	56.3	63.9	0.55		87		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Silver, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.05	0.05	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	24.7	25	99	25.1	25	100	Pass
SRM1944	40-140	6.18	6.4	97				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	3.70		3.28		NC		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	19.2	15.7	3.28		102		Pass
20509-061SD	70-130	18.5	16.0	3.28		95		Pass

NC = Not calculated.

Quality Control Summary

Parameter: Thallium, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	0.05	0.05	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S SRM1944	70-130	102	100 <1	102	102	100	102	Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	0.231		0.215		7		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130	65.5	62.9	0.215		104		Pass
20509-061SD	70-130	63.7	63.9	0.215		99		Pass

NC = Not calculated.

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Quality Control Summary

Parameter: Zinc, total
Project: NBH-South Terminal 6690.009
Matrix: Solid
QC Batch No: 198S

Pertains to samples:

Lab ID	Sample ID	Lab ID	Sample ID
20509-061	NBH_PH4SAP_PC13E_02D	20509-086	NBH_PH4SAP_PC13_04A
20509-064	NBH_PH4SAP_PC13E_03D	20509-087	NBH_PH4SAP_PC13_07A
20509-066	NBH_PH4SAP_PC13E_04D	20509-088	NBH_PH4SAP_PC13_23A
20509-070	NBH_PH4SAP_PC13E_01D	20509-089	NBH_PH4SAP_PC13_32A
20509-074	NBH_PH4SAP_PC13_01A	20509-092	NBH_PH4SAP_PC13_33A
20509-077	NBH_PH4SAP_PC13_03A		
20509-080	NBH_PH4SAP_PC13_08A		
20509-082	NBH_PH4SAP_PC13_14A		
20509-084	NBH_PH4SAP_PC13E_02A		
20509-085	NBH_PH4SAP_PC13_02A		

METHOD BLANK

ID	Control Limit +/-	Preparation Blank Result ug/g	Q		M
PB198S	1	1	U		Pass

LABORATORY CONTROL SAMPLE RECOVERY

ID	Control Limit %	Lab Control Sample Result ug/g	True Value ug/g	%R	Lab Control Dup Sample Result ug/g	True Value ug/g	%R	
LCS198S	70-130	46.1	50	92	47	50	94	Pass
SRM1944	69-100	546	656	83				Pass

DUPLICATE ANALYSIS

ID	Control Limit %	Duplicate Result ug/g dry wt	Q	Sample Result ug/g dry wt	Q	RPD	Q	
20509-061D	30	291		265		9		Pass

SPIKE SAMPLE ANALYSIS

ID	Control Limit %	Spiked Sample Result ug/g dry wt	Spike Added ug/g dry wt	Sample Result ug/g dry wt	Q	%R	Q	
20509-061S	70-130		31.4	265		SNR		Pass
20509-061SD	70-130		31.9	265		SNR		Pass

NC = Not calculated.
SNR = Not calculated due to high sample result.

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Lab Number:	PB576S
Sample Designation:	Laboratory Blank
Date Sampled:	12/31/10
Date Extracted:	12/31/10
Date Analyzed:	01/06/11
Matrix:	Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270.

	Concentration (mg/Kg dry wt)	Quantitation Limit (mg/Kg dry wt)		Concentration (mg/Kg dry wt)	Quantitation Limit (mg/Kg dry wt)
N-nitrosodimethylamine	U	0.4	2,4-dinitrotoluene	U	0.8
phenol	U	0.4	acenaphthene	U	0.4
2-chlorophenol	U	0.4	3-nitroaniline	U	0.4
bis(2-chloroethyl)ether	U	0.4	2,4-dinitrophenol	U	0.8
1,3-dichlorobenzene	U	0.4	dibenzofuran	U	0.4
1,4-dichlorobenzene	U	0.4	4-nitrophenol	U	0.8
1,2-dichlorobenzene	U	0.4	fluorene	U	0.4
benzyl alcohol	U	0.4	4-chlorophenyl phenyl ether	U	0.4
2-methylphenol (m-cresol)	U	0.4	diethyl phthalate	U	0.4
bis(2-chloroisopropyl)ether	U	0.4	4-nitroaniline	U	0.4
hexachloroethane	U	0.4	4,6-dinitro-2-methylphenol	U	2
N-nitroso-di-n-propylamine	U	0.4	4-chlorophenyl phenyl ether	U	0.4
4-methylphenol (p-cresol)	U	0.4	N-nitrosodiphenylamine	U	0.4
nitrobenzene	U	0.4	1,2-diphenylhydrazine (azobenzene)	U	0.4
isophorone	U	0.4	4-bromophenyl phenyl ether	U	0.4
2-nitrophenol	U	0.4	hexachlorobenzene	U	0.4
2,4-dimethylphenol	U	0.4	pentachlorophenol	U	0.4
bis(2-chloroethoxy)methane	U	0.4	phenanthrene	U	0.4
2,4-dichlorophenol	U	0.4	anthracene	U	0.4
2,6-dichlorophenol	U	0.4	carbazole	U	0.4
1,2,4-trichlorobenzene	U	0.4	di-n-butylphthalate	U	0.4
naphthalene	U	0.4	fluoranthene	U	0.4
benzoic acid	U	4	benzidine	U	4
4-chloroaniline	U	0.4	pyrene	U	0.4
hexachloro-1,3-butadiene	U	0.4	butylbenzylphthalate	U	0.4
4-chloro-3-methylphenol	U	0.4	benzo(a)anthracene	U	0.4
2-methylnaphthalene	U	0.4	chrysene	U	0.4
hexachlorocyclopentadiene	U	0.8	3,3'-dichlorobenzidine	U	0.4
2,4,6-trichlorophenol	U	0.4	bis(2-ethylhexyl)phthalate	U	0.4
2,4,5-trichlorophenol	U	0.4	di-n-octylphthalate	U	0.4
2-chloronaphthalene	U	0.4	benzo(b)fluoranthene	U	0.4
2-nitroaniline	U	0.4	benzo(k)fluoranthene	U	0.4
acenaphthylene	U	0.4	benzo(a)pyrene	U	0.4
dimethylphthalate	U	0.4	indeno(1,2,3-cd)pyrene	U	0.4
2,6-dinitrotoluene	U	0.4	dibenz(a,h)anthracene	U	0.4
			benzo(g,h,i)perylene	U	0.4

SURROGATE STANDARDS

	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Acceptance Limits (%)
2-fluorophenol	80	21-100	nitrobenzene-d5	91	35-114
phenol-d5	92	10-102	2-fluorobiphenyl	89	43-116
2,4,6-tribromophenol	121	10-123	terphenyl-d14	94	33-141

U = Below quantitation limit

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Lab Number: LCS576S\LCSD576S
Sample Designation: Laboratory Control Sample Duplicate
Date Sampled: 12/16/10
Date Extracted: 12/31/10
Date Analyzed: 01/07/11
Matrix: Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Amount	Laboratory Control Sample			Laboratory Control Sample Duplicate					
	Added	Result	Recovery	Limit	Result	Recovery	Limit	Diff	Limit	Qual
	(mg/Kg)	(mg/Kg)	(%)	(%)	(mg/Kg)	(%)	(%)	(%)	(%)	
N-nitrosodimethylamine	NA	U	NA	30-150	U	NA	30-150	NA	30	
phenol	20	14	71	5-112	15	73	5-112	2	30	
2-chlorophenol	20	14	72	23-134	15	73	23-134	2	30	
bis-(2-choroethyl)ether	NA	U	NA	36-166	U	NA	36-166	NA	30	
1,3-dichlorobenzene	NA	U	NA	1-172	U	NA	1-172	NA	30	
1,4-diclorobenzene	10	5.6	56	20-124	5.9	59	20-124	5	30	
1,2-dichlorobenzene	NA	U	NA	32-129	U	NA	32-129	NA	30	
benzyl alcohol	NA	U	NA	30-150	U	NA	30-150	NA	30	
2-methylphenol (o-cresol)	NA	U	NA	30-150	U	NA	30-150	NA	30	
bis(2-chloroisopropyl)ether	NA	U	NA	53-127	U	NA	53-127	NA	30	
hexachloroethane	NA	U	NA	40-113	U	NA	40-113	NA	30	
N-nitroso-di-n-propylamine	10	6.4	64	1-150	6.5	65	1-150	2	30	
4-methylphenol (p-cresol)	NA	U	NA	30-150	U	NA	30-150	NA	30	
nitrobenzene	NA	U	NA	35-180	U	NA	35-180	NA	30	
isophorone	NA	U	NA	21-196	U	NA	21-196	NA	30	
2-nitrophenol	NA	U	NA	29-182	U	NA	29-182	NA	30	
2,4-dimethylphenol	NA	U	NA	32-119	U	NA	32-119	NA	30	
bis(2-chloroethoxy)methane	NA	U	NA	33-184	U	NA	33-184	NA	30	
2,4-dichlorophenol	NA	U	NA	39-135	U	NA	39-135	NA	30	
2,6-dichlorophenol	NA	U	NA	30-150	U	NA	30-150	NA	30	
1,2,4-trichlorobenzene	10	5.8	58	44-142	6	60	44-142	3	30	
naphthalene	10	6	60	21-133	5.9	59	21-133	2	30	
benzoic acid	NA	U	NA	30-150	U	NA	30-150	NA	30	
4-chloroaniline	NA	U	NA	30-150	U	NA	30-150	NA	30	
hexachloro-1,3-butadiene	NA	U	NA	24-116	U	NA	24-116	NA	30	
4-chloro-3-methylphenol	20	15	77	22-147	15	77	22-147	1	30	
2-methylnaphthalene	NA	U	NA	30-150	U	NA	30-150	NA	30	
hexachlorocyclopentadiene	NA	U	NA	30-150	U	NA	30-150	NA	30	
2,4,6-trichlorophenol	NA	U	NA	37-144	U	NA	37-144	NA	30	
2,4,5-trichlorophenol	NA	U	NA	30-150	U	NA	30-150	NA	30	
2-chloronaphthalene	NA	U	NA	60-118	U	NA	60-118	NA	30	
2-nitroaniline	NA	U	NA	30-150	U	NA	30-150	NA	30	
acenaphthylene	10	6.1	61	33-145	6.2	62	33-145	1	30	
dimethyl phthalate	NA	U	NA	1-112	U	NA	1-112	NA	30	
2,6-dinitrotoluene	NA	U	NA	50-158	U	NA	50-158	NA	30	
2,4-dinitrotoluene	10	U	NA	30-150	6	60	39-139	2	60	
acenaphthene	20	14	71	5-112	14	73	47-145	4	30	
3-nitroaniline	NA	14	72	23-134	U	73	30-150	NA	30	

U = Below quantitation limit

EnviroSystems, Inc. One Lafayette Road P.O. Box 778 Hampton, NH 03842-0788 603-926-3345 fax 603-926-3521 www.envirosystems.com

Lab Number: LCS576S\LCSD576S
Sample Designation: Laboratory Control Sample Duplicate
Date Sampled: 12/16/10
Date Extracted: 12/31/10
Date Analyzed: 01/07/11
Matrix: Solid

SEMIVOLATILE ORGANICS (Continued)
Method Reference: SW846 8270

	Amount	Laboratory Control Sample			Laboratory Control Sample Duplicate					
	Added	Result	Recovery	Limit	Result	Recovery	Limit	Diff	Limit	Qual
	(mg/Kg)	(mg/Kg)	(%)	(%)	(mg/Kg)	(%)	(%)	(%)	(%)	
2,4-dinitrophenol	NA	U	NA	1-191	U	NA	1-191	NA	30	
dibenzofuran	NA	U	NA	30-150	U	NA	30-150	NA	30	
4-nitrophenol	20	13	66	1-132	14	70	1-132	5	40	
fluorene	10	6.1	61	59-121	6.3	63	59-121	3	30	
4-chlorophenyl phenyl ether	NA	U	NA	25-158	U	NA	25-158	NA	30	
diethyl phthalate	NA	U	NA	1-114	U	NA	1-114	NA	30	
4-nitroaniline	NA	U	NA	30-150	U	NA	30-150	NA	30	
4,6-dinitro-2-methylphenol	NA	U	NA	1-181	U	NA	1-181	NA	30	
4-chlorophenyl phenyl ethe	NA	U	NA	25-158	U	NA	25-158	NA	30	
N-nitrosodiphenylamine	NA	U	NA	30-150	NA	NA	30-150	NA	30	
4-bromophenyl phenylether	NA	U	NA	25-158	NA	NA	25-158	NA	30	
hexachlorobenzene	NA	U	NA	30-150	NA	NA	30-150	NA	30	
pentachlorophenol	20	9.8	49	14-176	9.7	49	14-176	1	30	
phenanthrene	10	6.1	61	54-120	6.2	62	54-120	1	30	
anthracene	10	6.3	63	27-133	6.4	64	27-133	1	30	
carbazole	NA	U	NA	30-150	U	NA	30-150	NA	30	
di-n-butyl phthalate	10	6.8	68	1-118	7	70	1-118	3	30	
fluoranthene	10	6.2	62	26-137	6.3	63	26-137	2	30	
benzidine	NA	U	NA	30-150	U	NA	30-150	NA	30	
pyrene	20	14	70	52-115	14	72	52-115	3	30	
butyl benzyl phthalate	NA	U	NA	1-152	U	NA	1-152	NA	30	
benzo(a)anthracene	10	6.5	65	33-143	6.6	66	33-143	0	30	
chrysene	10	6.3	63	17-168	6.8	68	17-168	8	30	
3,3'-dichlorobenzidine	NA	U	NA	1-262	U	NA	1-262	NA	30	
bis-2-ethylhexyl phthalate	NA	U	NA	1-158	U	NA	1-158	NA	30	
di-n-octyl phthalate	NA	U	NA	1-146	U	NA	1-146	NA	30	
benzo(b)fluoranthene	10	7	70	24-159	7.4	74	24-159	6	30	
benzo(k)fluoranthene	10	6.9	69	11-162	6.7	67	11-162	4	30	
benzo(a)pyrene	10	5.7	57	17-163	5.7	57	17-163	0	30	
indeno(1,2,3-cd)pyrene	10	5.6	56	1-171	5.7	57	1-171	1	30	
dibenz(a,h)anthracene	10	5.6	56	1-227	5.7	57	1-227	1	30	
benzo(g,h,i)perylene	10	5.6	56	1-219	5.7	57	1-219	1	30	

SURROGATE STANDARDS	Laboratory Control Sample		Laboratory Control Sample Duplicate	
	Recovery	Limits	Recovery	Limits
	(%)	(%)	(%)	(%)
2-fluorophenol	74	21-100	60	21-100
phenol-d5	76	10-102	63	10-102
2,4,6-tribromophenol	74	10-123	60	10-123
nitrobenzene-d5	80	35-114	68	35-114
2-fluorobiphenyl	80	43-116	65	43-116
terphenyl-d14	85	33-141	68	33-141

U = Below quantitation limit

ıviroSystems, Inc. One Lafayette Road P.O. Box 778 Hampton, NH 03842-0788 603-926-3345 fax 603-926-3521 www.envirosystems.com

Lab Number: 20509-061
Sample Designation: NBH_PH4SAP_PC13E_02D (Laboratory Duplicate)
Date Sampled: 12/16/10
Date Extracted: 12/31/10
Date Analyzed: 01/07/11
Matrix: Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Sample (mg/Kg dry wt)	RL (mg/Kg dry wt)	Duplicate (mg/Kg dry wt)	RL (mg/Kg dry wt)	DIFF (%)	Limit (%)		Sample (mg/Kg dry wt)	RL (mg/Kg dry wt)	Duplicate (mg/Kg dry wt)	RL (mg/Kg dry wt)	DIFF (%)
N-nitrosodimethylamine	U	0.3	U	0.3	NC	30	2,4-dinitrotoluene	U	0.7	U	0.7	NC
phenol	U	0.3	U	0.3	NC	30	acenaphthene	U	0.3	U	0.3	NC
2-chlorophenol	U	0.3	U	0.3	NC	30	3-nitroaniline	U	0.3	U	0.3	NC
bis-(2-choroethyl)ether	U	0.3	U	0.3	NC	30	2,4-dinitrophenol	U	0.7	U	0.7	NC
1,3-dichlorobenzene	U	0.3	U	0.3	NC	30	dibenzofuran	U	0.3	U	0.3	NC
1,4-diclorobenzene	U	0.3	U	0.3	NC	30	4-nitrophenol	U	0.7	U	0.7	NC
1,2-dichlorobenzene	U	0.3	U	0.3	NC	30	fluorene	U	0.3	U	0.3	NC
benzyl alcohol	U	0.3	U	0.3	NC	30	4-chlorophenyl phenyl ether	U	0.3	U	0.3	NC
2-methylphenol (o-cresol)	U	0.3	U	0.3	NC	30	diethyl phthalate	U	0.3	U	0.3	NC
bis(2-chloroisopropyl)ether	U	0.3	U	0.3	NC	30	4-nitroaniline	U	0.3	U	0.3	NC
hexachloroethane	U	0.3	U	0.3	NC	30	4,6-dinitro-2-methylphenol	U	2	U	2	NC
N-nitroso-di-n-propylamine	U	0.3	U	0.3	NC	30	4-chlorophenyl phenyl ether	U	0.3	U	0.3	NC
4-methylphenol (p-cresol)	U	0.3	U	0.3	NC	30	N-nitrosodiphenylamine	U	0.3	U	0.3	NC
nitrobenzene	U	0.3	U	0.3	NC	30	1,2-diphenylhydrazine	U	0.3	U	0.3	NC
isophorone	U	0.3	U	0.3	NC	30	4-bromophenyl phenyl ether	U	0.3	U	0.3	NC
2-nitrophenol	U	0.3	U	0.3	NC	30	hexachlorobenzene	U	0.3	U	0.3	NC
2,4-dimethylphenol	U	0.3	U	0.3	NC	30	pentachlorophenol	U	0.3	U	0.3	NC
bis(2-chloroethoxy)methane	U	0.3	U	0.3	NC	30	phenanthrene	U	0.3	U	0.3	NC
2,4-dichlorophenol	U	0.3	U	0.3	NC	30	anthracene	U	0.3	U	0.3	NC
2,6-dichlorophenol	U	0.3	U	0.3	NC	30	carbazole	U	0.3	U	0.3	NC
1,2,4-trichlorobenzene	U	0.3	U	0.3	NC	30	di-n-butylphthalate	0.3	0.3	U	0.3	NC
naphthalene	U	0.3	U	0.3	NC	30	fluoranthene	0.7	0.3	0.79	0.3	NC
benzoic acid	U	3	U	3	NC	30	benzidine	U	3	U	3	NC
4-chloroaniline	U	0.3	U	0.3	NC	30	pyrene	1	0.3	1	0.3	NC
hexachloro-1,3-butadiene	U	0.3	U	0.3	NC	30	butylbenzylphthalate	1.4	0.3	U	0.3	NC
4-chloro-3-methylphenol	U	0.3	U	0.3	NC	30	benzo(a)anthracene	0.4	0.3	0.42	0.3	NC
2-methylnaphthalene	U	0.3	U	0.3	NC	30	chrysene	0.4	0.3	0.47	0.3	NC
hexachlorocyclopentadiene	U	0.7	U	0.7	NC	30	3,3'-dichlorobenzidine	U	0.3	U	0.3	NC
2,4,6-trichlorophenol	U	0.3	U	0.3	NC	30	bis(2-ethylhexyl)phthalate	1	0.3	1.3	0.3	NC
2,4,5-trichlorophenol	U	0.3	U	0.3	NC	30	di-n-octylphthalate	U	0.3	U	0.3	NC
2-chloronaphthalene	U	0.3	U	0.3	NC	30	benzo(b)fluoranthene	0.7	0.3	0.55	0.3	NC
2-nitroaniline	U	0.3	U	0.3	NC	30	benzo(k)fluoranthene	0.4	0.3	0.45	0.3	NC
acenaphthylene	U	0.3	U	0.3	NC	30	benzo(a)pyrene	0.3	0.3	0.37	0.3	NC
dimethyl phthalate	U	0.3	U	0.3	NC	30	indeno(1,2,3-cd)pyrene	U	0.3	0.35	0.3	NC
2,6-dinitrotoluene	U	0.3	U	0.3	NC	30	dibenz(a,h)anthracene	U	0.3	U	0.3	NC
							benzo(g,h,i)perylene	0.4	0.3	0.35	0.3	NC

SURROGATE STANDARDS

	Recovery (%)	Recovery (%)	Acceptance Limits (%)		Recovery (%)	Recovery (%)	Acceptai (%)
2-fluorophenol	75	78	21-100	nitrobenzene-d5	79	77	35-114
phenol-d5	71	72	10-102	2-fluorobiphenyl	75	76	43-116
2,4,6-tribromophenol	151	156	10-123	terphenyl-d14	85	89	33-141

U = Below quantitation limit
NC = Not calculated due one or both values less than five times the reporting limit.

Lab Number: 20509-061
Sample Designation: NBH_PH4SAP_PC13E_02D (Matrix Spike / Matrix Spike Duplicate)
Date Sampled: 12/16/10
Date Extracted: 12/31/10
Date Analyzed: 01/07/11
Matrix: Solid

SEMIVOLATILE ORGANICS
Method Reference: SW846 8270

	Sample	Amount	Matrix Spike			Spike Duplicate					
	Result	Added	Result	Recovery	Limit	Result	Recovery	Limit	Diff	Limit	Qual
	(mg/Kg dry wt)	(mg/Kg dry wt)	(mg/Kg dry wt)	(%)	(%)	(mg/Kg dry wt)	(%)	(%)	(%)	(%)	
N-nitrosodimethylamine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
phenol	U	33	23	70	10-110	23	71	10-110	1	60	
2-chlorophenol	U	33	22	68	20-110	23	70	20-110	3	60	
bis-(2-choroethyl)ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,3-dichlorobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,4-diclorobenzene	U	17	8.9	54	30-150	9.1	54	30-150	1	30	
1,2-dichlorobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
benzyl alcohol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-methylphenol (o-cresol)	U	NA	U	NA	NA	U	NA	NA	NA	NA	
bis(2-chloroisopropyl)ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachloroethane	U	NA	U	NA	NA	U	NA	NA	NA	NA	
N-nitroso-di-n-propylamine	U	17	10	62	30-150	11	64	30-150	4	30	
4-methylphenol (p-cresol)	U	NA	U	NA	NA	U	NA	NA	NA	NA	
nitrobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
isophorone	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-nitrophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dimethylphenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
bis(2-chloroethoxy)methane	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,6-dichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,2,4-trichlorobenzene	U	17	9.6	58	30-150	9.6	58	30-150	1	30	
naphthalene	U	17	9.8	59	30-150	9.8	59	30-150	0	30	
benzoic acid	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-chloroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachloro-1,3-butadiene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-chloro-3-methylphenol	U	33	26	79	30-150	26	80	30-150	2	40	
2-methylnaphthalene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachlorocyclopentadiene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4,6-trichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4,5-trichlorophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-chloronaphthalene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2-nitroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
acenaphthylene	U	17	10	61	30-150	10	61	30-150	1	30	
dimethyl phthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,6-dinitrotoluene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dinitrotoluene	U	17	11	64	30-150	10	63	30-150	2	30	
acenaphthene	U	33	22	65	30-150	21	65	30-150	1	30	
3-nitroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
2,4-dinitrophenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
dibenzofuran	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-nitrophenol	U	33	28	85	20-120	28	83	20-120	3	40	
fluorene	U	17	10	63	30-150	10	62	30-150	2	30	

U = Below quantitation limit

EnviroSystems, Inc. One Lafayette Road P.O. Box 778 Hampton, NH 03842-0788 603-926-3345 fax 603-926-3521 www.envirosystems.com

Lab Number: 20509-061
Sample Designation: NBH_PH4SAP_PC13E_02D (Matrix Spike / Matrix Spike Duplicate)
Date Sampled: 12/16/10
Date Extracted: 12/31/10
Date Analyzed: 01/07/11
Matrix: Solid

SEMIVOLATILE ORGANICS (Continued)
Method Reference: SW846 8270

	Sample Result (mg/Kg dry wt)	Amount Added (mg/Kg dry wt)	Matrix Spike Result (mg/Kg dry wt)	Matrix Spike Recovery (%)	Matrix Spike Limit (%)	Spike Duplicate Result (mg/Kg dry wt)	Spike Duplicate Recovery (%)	Spike Duplicate Limit (%)	Diff (%)	Limit (%)	Qual
4-chlorophenyl phenyl ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
diethyl phthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-nitroaniline	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4,6-dinitro-2-methylphenol	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-chlorophenyl phenyl ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
N-nitrosodiphenylamine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
1,2-diphenylhydrazine (azobenzene)	U	NA	U	NA	NA	U	NA	NA	NA	NA	
4-bromophenyl phenyl ether	U	NA	U	NA	NA	U	NA	NA	NA	NA	
hexachlorobenzene	U	NA	U	NA	NA	U	NA	NA	NA	NA	
pentachlorophenol	U	33	26	77	30-150	26	79	30-150	2	40	
phenanthrene	U	17	31	182	30-150	11	62	30-150	99	30	J6J7
anthracene	U	17	30	179	30-150	11	64	30-150	95	30	J6J7
carbazole	U	NA	U	NA	NA	U	NA	NA	NA	NA	
di-n-butylphthalate	U	17	29	173	30-150	12	68	30-150	88	30	J6J7
fluoranthene	U	17	32	190	30-150	12	67	30-150	97	30	J6J7
benzidine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
pyrene	U	33	43	127	30-150	23	67	30-150	64	30	J7
butylbenzylphthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
benzo(a)anthracene	U	17	34	203	30-150	11	65	30-150	104	30	J6J7
chrysene	U	17	32	188	30-150	11	65	30-150	98	30	J6J7
3,3'-dichlorobenzidine	U	NA	U	NA	NA	U	NA	NA	NA	NA	
bis(2-ethylhexyl)phthalate	U	NA	1.4	NA	NA	2.1	NA	NA	NA	NA	
di-n-octylphthalate	U	NA	U	NA	NA	U	NA	NA	NA	NA	
benzo(b)fluoranthene	U	17	43	255	30-150	15	84	30-150	102	30	J6J7
benzo(k)fluoranthene	U	17	39	230	30-150	10	60	30-150	118	30	J6J7
benzo(a)pyrene	U	17	37	218	30-150	9.8	57	30-150	118	30	J6J7
indeno(1,2,3-cd)pyrene	U	17	37	221	30-150	10	59	30-150	116	30	J6J7
dibenz(a,h)anthracene	U	17	36	215	30-150	9.9	60	30-150	113	30	J6J7
benzo(g,h,i)perylene	U	17	36	217	30-150	10	58	30-150	116	30	J6J7

SURROGATE STANDARDS	MS Recovery	MSD Recovery %	Acceptance Limits %
2-fluorophenol	77	80	21-100
phenol-d5	76	77	10-102
2,4,6-tribromophenol	166	161	10-123
nitrobenzene-d5	80	157	35-114
2-fluorobiphenyl	78	161	43-116
terphenyl-d14	85	163	33-141

U = Below quantitation limit
J7 = Estimate. MSD %RR above limit
J6 = Estimate. MS%R or MSD%R below limit

ESI
EnviroSystems, Inc. One Lafayette Road P.O. Box 778 Hampton, NH 03842-0788 603-926-3345 fax 603-926-3521 www.envirosystems

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	PB574S
Sample Designation:	Laboratory Blank PB574S
Date Sampled:	12/22/10
Date Extracted:	12/22/10
Date Analyzed:	12/30/10
Matrix:	Solid
Sample Amount (g):	20
Final Volume (mL)	5.00
Dilution Factor:	1

Congener Number	PCB Congener	Concentration (ug/Kg)	Qualifier
8	2,4'-dichlorobiphenyl	0.25	U
18	2,2',5-trichlorobiphenyl	0.25	U
28	2,4,4'-trichlorobiphenyl	0.25	U
44	2,2',3,5'-tetrachlorobiphenyl	0.25	U
49	2,2',4,5'-tetrachlorobiphenyl	0.25	U
52	2,2',5,5'-tetrachlorobiphenyl	0.25	U
66	2,3',4,4'-tetrachlorobiphenyl	0.25	U
77	3,3',4,4'-tetrachlorobiphenyl	0.25	U
87	2,2',3,4,5'-pentachlorobiphenyl	0.25	U
101	2,2',4,5,5'-pentachlorobiphenyl	0.25	U
105	2,3,3',4,4'-pentachlorobiphenyl	0.25	U
118	2,3',4,4',5-pentachlorobiphenyl	0.25	U
126	3,3',4,4',5-pentachlorobiphenyl	0.25	U
128	2,2',3,3',4,4'-hexachlorobiphenyl	0.25	U
138	2,2',3,4,4',5'-hexachlorobiphenyl	0.25	U
153	2,2',4,4',5,5'-hexachlorobiphenyl	0.25	U
156	2,3,3',4,4',5-hexachlorobiphenyl	0.25	U
169	3,3',4,4',5,5'-hexachlorobiphenyl	0.25	U
170	2,2',3,3',4,4',5-heptachlorobiphenyl	0.25	U
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	0.25	U
183	2,2',3,4,4',5',6-heptachlorobiphenyl	0.25	U
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	0.25	U
187	2,2',3,4',5,5',6-heptachlorobiphenyl	0.25	U
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	0.25	U
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	0.25	U
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	0.25	U

Surrogate Standards	Recovery (%)	Advisory Limits (%)
PCB 198	73	30 - 150

ESI

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	LCS574S / LCSD574S
Sample Designation:	Laboratory Control Sample Duplicate
Date Sampled:	12/22/10
Date Extracted:	12/22/10
Date Analyzed:	12/30/10
Matrix:	Solid
Sample Amount (g):	20
Final Volume (mL)	5.00
Dilution Factor:	1

Congener Number	PCB Congener	LCS Concentratio (ug/Kg)	Recovery (%)	Recovery Limit (%)	LCSD Concentration (ug/Kg)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
8	2,4'-dichlorobiphenyl	3.26	65	30 - 150	3.7	74	30 - 150	12	30
18	2,2',5-trichlorobiphenyl	3.41	68	30 - 150	3.7	73	30 - 150	7	30
28	2,4,4'-trichlorobiphenyl	3.8	76	30 - 150	3.9	78	30 - 150	3	30
44	2,2',3,5'-tetrachlorobiphenyl	3.57	71	30 - 150	4	80	30 - 150	11	30
49	2,2',4,5'-tetrachlorobiphenyl	3.97	79	30 - 150	4.1	81	30 - 150	2	30
52	2,2',5,5'-tetrachlorobiphenyl	3.29	66	30 - 150	3.5	69	30 - 150	5	30
66	2,3',4,4'-tetrachlorobiphenyl	3.95	79	30 - 150	4.1	82	30 - 150	4	30
77	3,3',4,4'-tetrachlorobiphenyl	4.12	82	30 - 150	4.1	82	30 - 150	1	30
87	2,2',3,4,5'-pentachlorobiphenyl	3.92	78	30 - 150	4.7	93	30 - 150	17	30
101	2,2',4,5,5'-pentachlorobiphenyl	3.86	77	30 - 150	4	81	30 - 150	4	30
105	2,3,3',4,4'-pentachlorobiphenyl	4.08	82	30 - 150	3.9	78	30 - 150	5	30
118	2,3',4,4',5-pentachlorobiphenyl	3.81	76	30 - 150	4.2	83	30 - 150	9	30
126	3,3',4,4',5-pentachlorobiphenyl	3.57	71	30 - 150	3.3	65	30 - 150	9	30
128	2,2',3,3',4,4'-hexachlorobiphenyl	4.03	81	30 - 150	3.9	78	30 - 150	3	30
138	2,2',3,4,4',5'-hexachlorobiphenyl	4.14	83	30 - 150	4.3	86	30 - 150	4	30
153	2,2',4,4',5,5'-hexachlorobiphenyl	4.17	83	30 - 150	4.2	85	30 - 150	1	30
156	2,3,3',4,4',5-hexachlorobiphenyl	4.13	83	30 - 150	3.9	77	30 - 150	7	30
169	3,3',4,4',5,5'-hexachlorobiphenyl	4.4	88	30 - 150	3.5	71	30 - 150	22	30
170	2,2',3,3',4,4',5-heptachlorobiphenyl	3.91	78	30 - 150	3.4	67	30 - 150	15	30
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	3.9	78	30 - 150	3.8	75	30 - 150	3	30
183	2,2',3,4,4',5',6-heptachlorobiphenyl	4.1	82	30 - 150	4.1	83	30 - 150	1	30
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	4.15	83	30 - 150	4	80	30 - 150	4	30
187	2,2',3,4',5,5',6-heptachlorobiphenyl	3.81	76	30 - 150	3.6	72	30 - 150	6	30
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	3.64	73	30 - 150	3.7	74	30 - 150	1	30
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	3.69	74	30 - 150	3.1	62	30 - 150	17	30
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	3.5	70	30 - 150	3.4	68	30 - 150	3	30

	Surrogate Standard	Recovery (%)	Advisory Limits (%)	Recovery (%)	Advisory Limits (%)
198	2,2',3,3',4,5,5',6-octachlorobiphenyl	74	30 - 150	78	30 - 150

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PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-061D
Sample Designation:	NBH_PH4SAP_PC13E_02D (Laboratory Duplicate)
Date Sampled:	12/22/10
Date Extracted:	12/22/10
Date Analyzed:	o4666
Matrix:	Solid
Moisture (%):	40
Sample Amount (g):	20.00
Final Volume (mL)	5.00
Dilution Factor:	5

Congener Number	PCB Congener	Duplicate Result (ug/Kg)	Duplicate Qualifier	Sample Result (ug/Kg)	Sample Qualifier	Relative Difference (%)	Limit (%)
8	2,4'-dichlorobiphenyl	73		92		23	30
18	2,2',5-trichlorobiphenyl	110		110		6	30
28	2,4,4'-trichlorobiphenyl	390		410		5	30
44	2,2',3,5'-tetrachlorobiphenyl	94		110		15	30
49	2,2',4,5'-tetrachlorobiphenyl	230		250		8	30
52	2,2',5,5'-tetrachlorobiphenyl	290		320		10	30
66	2,3',4,4'-tetrachlorobiphenyl	370		390		5	30
77	3,3',4,4'-tetrachlorobiphenyl	36		37		4	30
87	2,2',3,4,5'-pentachlorobiphenyl	140		140		0	30
101	2,2',4,5,5'-pentachlorobiphenyl	320		370		15	30
105	2,3,3',4,4'-pentachlorobiphenyl	120		140		19	30
118	2,3',4,4',5-pentachlorobiphenyl	380		410		7	30
126	3,3',4,4',5-pentachlorobiphenyl	1.3	U	2.1	U	NC	30
128	2,2',3,3',4,4'-hexachlorobiphenyl	69		73		5	30
138	2,2',3,4,4',5'-hexachlorobiphenyl	300		330		9	30
153	2,2',4,4',5,5'-hexachlorobiphenyl	190		220		14	30
156	2,3,3',4,4',5-hexachlorobiphenyl	31		31		2	30
169	3,3',4,4',5,5'-hexachlorobiphenyl	1.3	U	2.1	U	NC	30
170	2,2',3,3',4,4',5-heptachlorobiphenyl	32		32		1	30
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	37		35		4	30
183	2,2',3,4,4',5',6-heptachlorobiphenyl	12		14		11	30
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	1.3	U	2.1	U	NC	30
187	2,2',3,4',5,5',6-heptachlorobiphenyl	25		27		6	30
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	1.3	U	3.6		NC	30
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	2.1		3		NC	30
209	2,2',3,3',4,4',5,5',6,6'-decachlorobipheny	1.3	U	2.1	U	NC	30

Surrogate Standard	Recovery (%)	Recovery (%)	Advisory Limits (%)
PCB 198	95	84	30 - 150

U = Not detected at reporting limit.
NC = Not calculated due to one or more values less than five times the reporting limit.

PCB Congeners in Sediment
SW 846 8082/EPA 680 modified

Lab Number:	20509-061MSD
Sample Designation:	NBH_PH4SAP_PC13E_02D (Matrix Spike Duplicate)
Date Sampled:	12/22/10
Date Extracted:	12/22/10
Date Analyzed:	12/31/10
Matrix:	Solid
Sample Amount (g):	20.00
Final Volume (mL)	5.00
Dilution Factor:	5.00

Congener Number	PCB Congener	Sample Result (ug/Kg)	Amount Added (ug/Kg)	MS Result (ug/Kg)	Recovery (%)	Recovery Limit (%)	MSD Result (ug/Kg)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
8	2,4'-dichlorobiphenyl	92	8.303	42.1	SNR	30 - 150	6.3	SNR	30 - 150	148	30
18	2,2',5-trichlorobiphenyl	110	8.303	54.0	SNR	30 - 150	9.0	SNR	30 - 150	143	30
28	2,4,4'-trichlorobiphenyl	410	8.303	212.0	SNR	30 - 150	41.0	SNR	30 - 150	135	30
44	2,2',3,5'-tetrachlorobiphenyl	110	8.303	45.2	SNR	30 - 150	7.4	SNR	30 - 150	144	30
49	2,2',4,5'-tetrachlorobiphenyl	250	8.303	117.0	SNR	30 - 150	21.0	SNR	30 - 150	140	30
52	2,2',5,5'-tetrachlorobiphenyl	320	8.303	152.0	SNR	30 - 150	25.0	SNR	30 - 150	143	30
66	2,3',4,4'-tetrachlorobiphenyl	390	8.303	165.0	SNR	30 - 150	25.0	SNR	30 - 150	147	30
77	3,3',4,4'-tetrachlorobiphenyl	37	8.303	24.5	DIL	30 - 150	3.2	DIL	30 - 150	153	30
87	2,2',3,4,5'-pentachlorobiphenyl	140	8.303	69.2	SNR	30 - 150	10.0	SNR	30 - 150	149	30
101	2,2',4,5,5'-pentachlorobiphenyl	370	8.303	160.0	SNR	30 - 150	29.0	SNR	30 - 150	139	30
105	2,3,3',4,4'-pentachlorobiphenyl	140	8.303	61.8	SNR	30 - 150	7.8	SNR	30 - 150	155	30
118	2,3',4,4',5-pentachlorobiphenyl	410.0	8.303	199.0	SNR	30 - 150	30.0	SNR	30 - 150	147	30
126	3,3',4,4',5-pentachlorobiphenyl	ND	8.303	4.4	DIL	30 - 150	0.9	DIL	30 - 150	134	30
128	2,2',3,3',4,4'-hexachlorobiphenyl	73	8.303	33.2	SNR	30 - 150	6.3	SNR	30 - 150	136	30
138	2,2',3,4,4',5'-hexachlorobiphenyl	330	8.303	139.0	SNR	30 - 150	25.0	SNR	30 - 150	139	30
153	2,2',4,4',5,5'-hexachlorobiphenyl	220	8.303	94.1	SNR	30 - 150	16.0	SNR	30 - 150	141	30
156	2,3,3',4,4',5-hexachlorobiphenyl	31	8.303	15.1	DIL	30 - 150	2.1	DIL	30 - 150	151	30
169	3,3',4,4',5,5'-hexachlorobiphenyl	ND	8.303	3.6	DIL	30 - 150	0.7	DIL	30 - 150	132	30
170	2,2',3,3',4,4',5-heptachlorobiphenyl	32	8.303	18.0	DIL	30 - 150	3.2	DIL	30 - 150	140	30
180	2,2',3,4,4',5,5'-heptachlorobiphenyl	35	8.303	19.5	DIL	30 - 150	3.4	DIL	30 - 150	141	30
183	2,2',3,4,4',5',6-heptachlorobiphenyl	14	8.303	8.2	DIL	30 - 150	1.4	DIL	30 - 150	141	30
184	2,2',3,4,4',6,6'-heptachlorobiphenyl	ND	8.303	3.3	DIL	30 - 150	0.6	DIL	30 - 150	137	30
187	2,2',3,4',5,5',6-heptachlorobiphenyl	27	8.303	13.5	DIL	30 - 150	2.2	DIL	30 - 150	144	30
195	2,2',3,3',4,4',5,6-octachlorobiphenyl	3.6	8.303	4.7	DIL	30 - 150	0.9	DIL	30 - 150	137	30
206	2,2',3,3',4,4',5,5',6-nonachlorobiphenyl	3	8.303	4.9	DIL	30 - 150	0.9	DIL	30 - 150	138	30
209	2,2',3,3',4,4',5,5',6,6'-decachlorobiphenyl	ND	8.303	4.1	DIL	30 - 150	1.1	DIL	30 - 150	117	30

Surrogate Standard	MS Recovery (%)	Advisory Limits (%)	MSD Recovery (%)	Advisory Limits (%)
PCB 198	DIL	30 - 150	DIL	30 - 150

ND = Not detected

DIL = Not calculated due to sample dilution.
SNR = Not calculated due to sample concentration.

ESI

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	PB475W
Sample Designation:	Laboratory Blank
Date Sampled:	12/28/10
Date Extracted:	12/28/10
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

	Concentration (ug/g dry wt)	Reporting Limit (ug/g dry wt)
Diesel Range Organics	U	3
Lube Oil Range Organics	U	3
Total Petroleum Hydrocarbons	U	3

SURROGATE STANDARD	Recovery (%)	Advisory Limits (%)
o-terphenyl	108	30 - 150
2-fluorobiphenyl	104	30 - 150

U = Below quantitation limit

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	LCS489W / LCSD489W
Sample Designation:	Laboratory Control Sample Duplicate
Date Sampled:	12/28/10
Date Extracted:	12/28/10
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

	True Value (ug/g dry wt)	LCS Concentration (ug/g dry wt)	Recovery (%)	Recovery Limit (%)	LCSD Concentration (ug/g dry wt)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
Diesel Range Organics	125	126	101	30-150	117	93	30-150	7.4	30

SURROGATE STANDARD	LCS Recovery (%)	LCSD Recovery (%)	Advisory Limits (%)
o-terphenyl	105	109	30 - 150
2-fluorobiphenyl	105	108	30 - 150

U = Below quantitation limit

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	20509-061
Sample Designation:	NBH_PH4SAP_PC13E_02D (Laboratory Duplicate)
Date Sampled:	12/16/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

	Duplicate Concentration (ug/g dry wt)	Duplicate Qualifier	Sample Concentration (ug/g dry wt)	Sample Qualifier	Relative Difference (%)	Limit (%)
Diesel Range Organics	20	U	20	U	NC	30-150
Lube Oil Range Organics	1100		1200		9.5	30-150
Total Petroleum Hydrocarbons	20	U	20	U	NC	30-150

SURROGATE STANDARD	Duplicate Recovery (%)	Advisory Limits (%)
o-terphenyl	98	30 - 150
2-fluorobiphenyl	103	30 - 150

U = Below quantitation limit
NC = Not calclulated due to one or more values below quantitation limit.

TOTAL PETROLEUM HYDROCARBONS (Diesel Range Organics)
Method Reference: SW846 8100, modified

Lab Number:	20509-061
Sample Designation:	NBH_PH4SAP_PC13E_02D (Matrix Spike Duplicate)
Date Sampled:	12/16/10
Date Extracted:	12/28/11
Date Analyzed:	01/08/11
Matrix:	Solid
Sample Amount (g):	10
Final Volume (mL)	0.5
Dilution Factor:	1

	Sample Concentration (ug/g dry wt)	Amount Added (ug/g dry wt)	MS Concentration (%)	Recovery (%)	Recovery Limit (%)	MSD Concentration (ug/mL)	Recovery (%)	Recovery Limit (%)	Relative Difference (%)	RPD Limit (%)
Diesel Range Organics	U	208	189	91	30-150	207	100	30-150	9.2	30

SURROGATE STANDARD	MS Recovery (%)	Advisory Limits (%)	MSD Recovery (%)	Advisory Limits (%)
o-terphenyl	101	30 - 150	99	30 - 150
2-fluorobiphenyl	104	30 - 150	105	30 - 150

U = Below quantitation limit

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SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/16/10 1027	Date and TIme Logged into Lab:	12/16/10 1150
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	6	Custody Seals intact?	NA
Number of COC Pages:	1		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
PC13E_01A	20509-001	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_01B	20509-002	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_01C	20509-003	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_02A	20509-004	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_02B	20509-005	W	CGR680, Total Metals Hg;	2x1L G	4C	Yes
PC13E_01A	20509-006	W	SVOC8270C	1L G	4C	Yes
PC13E_01B	20509-007	W	SVOC8270C	1L G	4C	Yes
PC13E_01C	20509-008	W	SVOC8270C	1L G	4C	Yes
PC13E_02A	20509-009	W	SVOC8270C	1L G	4C	Yes
PC13E_02B	20509-010	W	SVOC8270C	1L G	4C	Yes
PC13E_01A	20509-011	W	TPH8100	1L G	HCl	Yes
PC13E_01B	20509-012	W	TPH8100	1L G	HCl	Yes
PC13E_01C	20509-013	W	TPH8100	1L G	HCl	Yes
PC13E_02A	20509-014	W	TPH8100	1L G	HCl	Yes
PC13E_02B	20509-015	W	TPH8100	1L G	HCl	Yes
PC13E_01A	20509-016	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_01B	20509-017	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_01C	20509-018	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_02A	20509-019	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes
PC13E_02B	20509-020	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	HNO3	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List. Hg subsampled into 125mL G and preserved with HCl upon receipt. TPH samples preserved with HCl upon receipt. Total Metals preserved with HNO3 upon receipt. Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/17/10 0700	Date and TIme Logged into Lab:	12/17/10 1200
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	1	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_02C	20509-021	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-022	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-023	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-024	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-025	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-026	W	CGR680	3x1L G	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-027	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-028	W	CGR680	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-029	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-030	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-031	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-032	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-033	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-034	W	SVOC8270C	3x1L G	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-035	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-036	W	SVOC8270C	2x1L G	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-037	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_03A	20509-038	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_03B	20509-039	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_03C	20509-040	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_04A	20509-041	W	TPH8100	1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_04A_D	20509-042	W	TPH8100	3x1L G	H2SO4	Yes
NBH_PH4SAP_PC13E_04B	20509-043	W	TPH8100	1L G	H2SO4	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List.
Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/17/10 0700	Date and TIme Logged into Lab:	12/17/10 1200
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	1	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_04C	20509-044	W	TPH8100	1L G	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-045	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-046	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-047	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-048	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-049	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-050	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-051	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-052	W	Total Metals Sb,As,Be,Cd,Cr,Cu,Pb,Ni,Se,Ag,Tl,Zn;	250mL P	4C	Yes
NBH_PH4SAP_PC13E_02C	20509-053	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-054	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-055	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-056	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04A	20509-057	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04A_D	20509-058	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04B	20509-059	W	Total Metals Hg;	125mL G	4C	Yes
NBH_PH4SAP_PC13E_04C	20509-060	W	Total Metals Hg;	125mL G	H2SO4	Yes
NBH_PH4SAP_PC13E_02D	20509-061	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_02E	20509-062	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_02F	20509-063	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_03D	20509-064	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_03E	20509-065	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	H2SO4	Yes
NBH_PH4SAP_PC13E_04D	20509-066	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	2x8oz	H2SO4	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List.
Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/17/10 0700	Date and TIme Logged into Lab:	12/17/10 1200
Recieved By:	DW	Logged into Lab by:	LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	1	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	See Notes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_04E	20509-067	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	4C	Yes
NBH_PH4SAP_PC13E_04F	20509-068	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	4C	Yes
NBH_PH4SAP_PC13E_04G	20509-069	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	2x8oz	4C	Yes

Notes and qualifications:

CGR680 = NOAA 22 Congener List.
Sample jars were each given unique ESI lab ID numbers so as to separate them by the Field ID and the analysis requested on each, and because they were preserved by different means or sampled into different bottle types.

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/20/10 0940	Date and TIme Logged into Lab:	12/20/10 1100
Recieved By:	DW	Logged into Lab by:	LCB LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	Yes	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	6	Custody Seals intact?	NA
Number of COC Pages:	2		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	Yes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_01D	20509-070	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01E	20509-071	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01F	20509-072	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01G	20509-073	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01A	20509-074	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01B	20509-075	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_01C	20509-076	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_03A	20509-077	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_03B	20509-078	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_03C	20509-079	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_08A	20509-080	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_08B	20509-081	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13E_14A	20509-082	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13E_14B	20509-083	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes

Notes and qualifications:

ESI

SAMPLE RECEIPT AND CONDITION DOCUMENTATION

STUDY NO:	20509		
SDG No:	6690.009		
Project:	NBH-South Terminal 6690.009		
Delivered via:	ESI		
Date and Time Received:	12/21/10 1120	Date and TIme Logged into Lab:	12/21/10 1300
Recieved By:	DW	Logged into Lab by:	LCB LCB
Air bill / Way bill:	No	Air bill included in folder if received?	NA
Cooler on ice/packs:	No	Custody Seals present?	NA
Cooler Blank Temp (C) at arrival:	10	Custody Seals intact?	NA
Number of COC Pages:	1		
COC Serial Number(s):	NA		
COC Complete:		Does the info on the COC match the samples?	Yes
Sampled Date:	Yes	Were samples received within holding time?	Yes
Field ID complete:	Yes	Were all samples properly labeled?	Yes
Sampled Time:	Yes	Were proper sample containers used?	Yes
Analysis request:	Yes	Were samples received intact? (none broken or leaking)	Yes
COC Signed and dated:	Yes	Were sample volumes sufficient for requested analysis?	Yes
Were all samples received?	Yes	Were VOC vials free of headspace?	NA
Client notification/authorization:	Not required		

Field ID	Lab ID	Mx	Analysis Requested	Bottle	Req'd Pres'n	Verified Pres'n
NBH_PH4SAP_PC13E_02A	20509-084	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_02A	20509-085	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_04A	20509-086	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_07A	20509-087	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_23A	20509-088	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_32A	20509-089	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes
NBH_PH4SAP_PC13_32B	20509-090	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13_32C	20509-091	S	HOLD for CGR680, SVOC8270C, TPH8100, Total Metals	16oz G	4C	Yes
NBH_PH4SAP_PC13_33A	20509-092	S	CGR680, SVOC8270C, TPH8100, Total Metals Sb,As,Be,	16oz G	4C	Yes

Notes and qualifications:

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FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies, LLC	Contact: Chet Myers	Project Name: NBH-South Terminal	Page 1 of 1
Report to: Chet Myers	Address: 184 High Street	Project Number: 6690.009	
Invoice to: NBH 6690.009	Address: Suite 502	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions:
-001..*	PC13E_01A	12/15/10	12:00	JK/MB	G	1L/5	4 G / 2 P	None	W	N	PCB's: 22 NOAA 13 Pollutant Metals:
-002..*	PC13E_01B		12:30								by 8270C 6020A/7471
-003..*	PC13E_01C		13:00								TPH 8015
-004..*	PC13E_02A		13:30								SVOC 8270C
-005..*	PC13E_02B		14:00								

Relinquished By: CW Pilkering	Date: 12/16/10	Time: 10:27	Received By: [illegible]	Date: 12-16-10	Time: 10:27
Relinquished By:	Date:	Time:	Received at Lab By:	Date:	Time:

Comments: * See Sample receipt record

Sample Delivery Group No:	Page of

COC Doc No: 4250

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ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies, LLC	Contact: Chet Myers	Project Name: NBH South Terminal	Page 1 of 1
Report to: Chet Myers	Address: 184 High Street	Project Number: 6690.009	
Invoice to: Apex Companies, LLC	Address: Suite 502	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: 6690.009 Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions:
-021.*	NBH-PH4SAP-PC13E-02C	12/16/10		JR GD MB	G	250mL 125mL 40mL	P/G	HNO3 H2SO4 HCL	W	N	Metals - 6020A/7471 TPH - 8015 SVOCs - 8270C PCB - 22 NOAA 8270C
-022.*	NBH-PH4SAP-PC13E-03A										
-023.*	NBH-PH4SAP-PC13E-03B										
-024.*	NBH-PH4SAP-PC13E-03C										
-025.*	NBH-PH4SAP-PC13E-04A										
-026.*	NBH-PH4SAP-PC13E-04A-D										
-027.*	NBH-PH4SAP-PC13E-04B										
-028.*	NBH-PH4SAP-PC13E-04C										

Relinquished By: [signature]	Date: 12/17/10	Time: 7:00 AM	Received By: [signature]	Date: 12/17/10	Time: 7:00 AM
Relinquished By:	Date:	Time:	Received at Lab By:	Date:	Time:

Comments: * See sample receipt record

Sample Delivery Group No: Page of

COC Doc No: 4258

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ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: APEX COMPANIES LLC	Contact: CHET MYERS	Project Name: NBH SOUTH TERM	Page 1 of 1
Report to: CHET MYERS	Address: 184 HIGH STREET	Project Number: 6690.009	
Invoice to: APEX COMPANIES LLC	Address: SUITE 502 BOSTON MA	Project Manager: CHET MYERS	
Voice: 617-728-0070	Fax: 617-7280080	email: CMYERS@APEXCOS.COM	P.O. No: 6690 Quote No:

Protocol: RCRA SDWA NPDES USCOE X Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions: METALS - 6020A/7471 TPH - 8015 SVOC - 8270C PCB - NOAA22 8270C
-061	NBH_PH4 SAP_PCBE_02D	12/16/10		MBJR GD	G	2x8oz	G	4°C	S	N	-RUN-
-062	NBH_PH4 SAP_PCBE_02E										HOLD
-063	NBH_PH4_SAP_PCBE_02F										HOLD
-064	NBH_PH4_SAP_PCBE_03D										-RUN-
-065	NBH_PH4_SAP_PCBE_03E										HOLD
-066	NBH_PH4_SAP_PCBE_04D										-RUN-
-067	NBH_PH4_SAP_PCBE_04E										HOLD
-068	NBH_PH4_SAP_PCBE_04F										HOLD
-069	NBH_PH4_SAP_PCBE_04G										HOLD

Relinquished By: [signature]	Date: 12/17/2010	Time: 7:00 AM	Received By: [signature] Date: 12/17/10 Time: 7:00 AM
Relinquished By:	Date:	Time:	Received at Lab By: Date: Time:

Comments:

Sample Delivery Group No: Page of

COC Doc No: 4257

ESI
EnviroSystems, Inc.
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Hampton, N.H. 03843

Voice: 603-926-3345
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ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies LLC	Contact: Chet Myers	Project Name: NBH South Tem	Page 1 of 2
Report to: Chet Myers	Address: 184 High Street	Project Number: 6690.009	
Invoice to: Apex	Address: Suite 502 Boston MA 02110	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: 6690 Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions: Metals - 6020 A / 7471 TPH - 8015 SVOC - 8270C PCB - NOAA 8270C
-070	NBH-PH4SAP-PC13E-01D	12/17		MB JR GD	G	16oz	G	N	S	N	Run
-071	NBH-PH4SAP-PC13E-01E										Hold
-072	NBH-PH4SAP-PC13E-01F										Hold
-073	NBH-PH4SAP-PC13E-01G										Hold
-074	NBH-PH4SAP-PC13-01A										Run
-075	NBH-PH4SAP-PC13-01B										Hold
-076	NBH-PH4SAP-PC13-01C										Hold
-077	NBH-PH4SAP-PC13-03A										Run
-078	NBH-PH4SAP-PC13-03B										Hold
-079	NBH-PH4SAP-PC13-03C										Hold
-080	NBH-PH4SAP-PC13-08A										Run
-081	NBH-PH4SAP-PC13-08B										Hold

Relinquished By:	Date: 12/20/10 Time: 0940	Received By:	Date: 12/20/10 Time: 0940
Relinquished By:	Date: Time:	Received at Lab By:	Date: Time:

Comments:

Sample Delivery Group No: Page of

COC Doc No: 4256

ESI
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Hampton, N.H. 03843

Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies LLC	Contact: Chet Myers	Project Name: NBH South Term	Page 2 of 2
Report to: Chet Myers	Address: 185 High Street	Project Number: 16690.009	
Invoice to: Apex	Address: Suite 502 Boston 02110	Project Manager: Chet Myers	
Voice: 617 728 0070	Fax: 617 728 0080	email: CMyers@apexcos.com	P.O. No: 16690 Quote No:

Protocol: RCRA SDWA NPDES USCOE Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or com-posit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preser-vation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions:
-082	NBH-PHMSAP PCB-14A	12/17/10		MBJR LD	G	16oz	G	N	S	N	Run
-083	NBH-PHMSAP-PCB-14B	1		1	1	1	1	1	1	1	Hold

Relinquished By: [signature] Date: 12/20/10 Time: 940 Received By: [signature] Date: 12/20/10 Time: 0940

Relinquished By: Date: Time: Received at Lab By: Date: Time:

Comments:

Sample Delivery Group No: Page of

COC Doc No: 4255

ESI
EnviroSystems, Inc.
1 Lafayette Road
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Hampton, N.H. 03843

Voice: 603-926-3345
FAX: 603-926-3521

ESI Job No: 20509

CHAIN OF CUSTODY DOCUMENTATION

Client: Apex Companies, LLC	Contact: Chet Myers	Project Name: NBH	Page 1 of 1
Report to: Chet Myers	Address: 184 High Street 502	Project Number: 6609009	
Invoice to: Apex Companies LLC	Address: Boston MA 02110	Project Manager: Chet Myers	
Voice: 617.728.0070	Fax: 617.728.0080	email: CMyers@apexcos.com	P.O. No: 6690 Quote No:

Protocol: RCRA SDWA NPDES (USCOE) Other

Lab Number (assigned by lab)	Your Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Grab or composit (G/C)	Container Size (ml.)	Container Type (P/G/T)	Field Preservation	Matrix S=Solid W=Water	Filter N=Not needed F=Done in field L=Lab to do	Analyses Requested\ Special Instructions: Same as previous —
-084	NBH-PH4SAP PCBE-02A	12/21		JRMB GD	G	1602	G	None	S	N	
-085	NBH-PH4SAP-PC13-02A										
-086	NBH-PH4SAP-PC13-04A										
-087	NBH-PH4SAP-PC13-07A										
-088	NBH-PH4SAP-PC13-23A										
-089	NBH-PH4SAP-PC13-32A										
-090	NBH-PH4SAP-PC13-32B										HOLD
-091	NBH-PH4SAP-PC13-32C										HOLD
-092	NBH-PH4SAP-PC13-33A										

Relinquished By: [signature]	Date: 12/21	Time: 11:20	Received By: [signature]	Date: 12/21/10	Time: 11:20
Relinquished By:	Date:	Time:	Received at Lab By:	Date:	Time:

Comments:

Sample Delivery Group No:	Page of

COC Doc No: 4305