APPENDIX F

Certified Property List

200' Radius Map - Block 282 Lot 1

Township of North Brunswick
710 Hermann Road
North Brunswick, NJ 08902

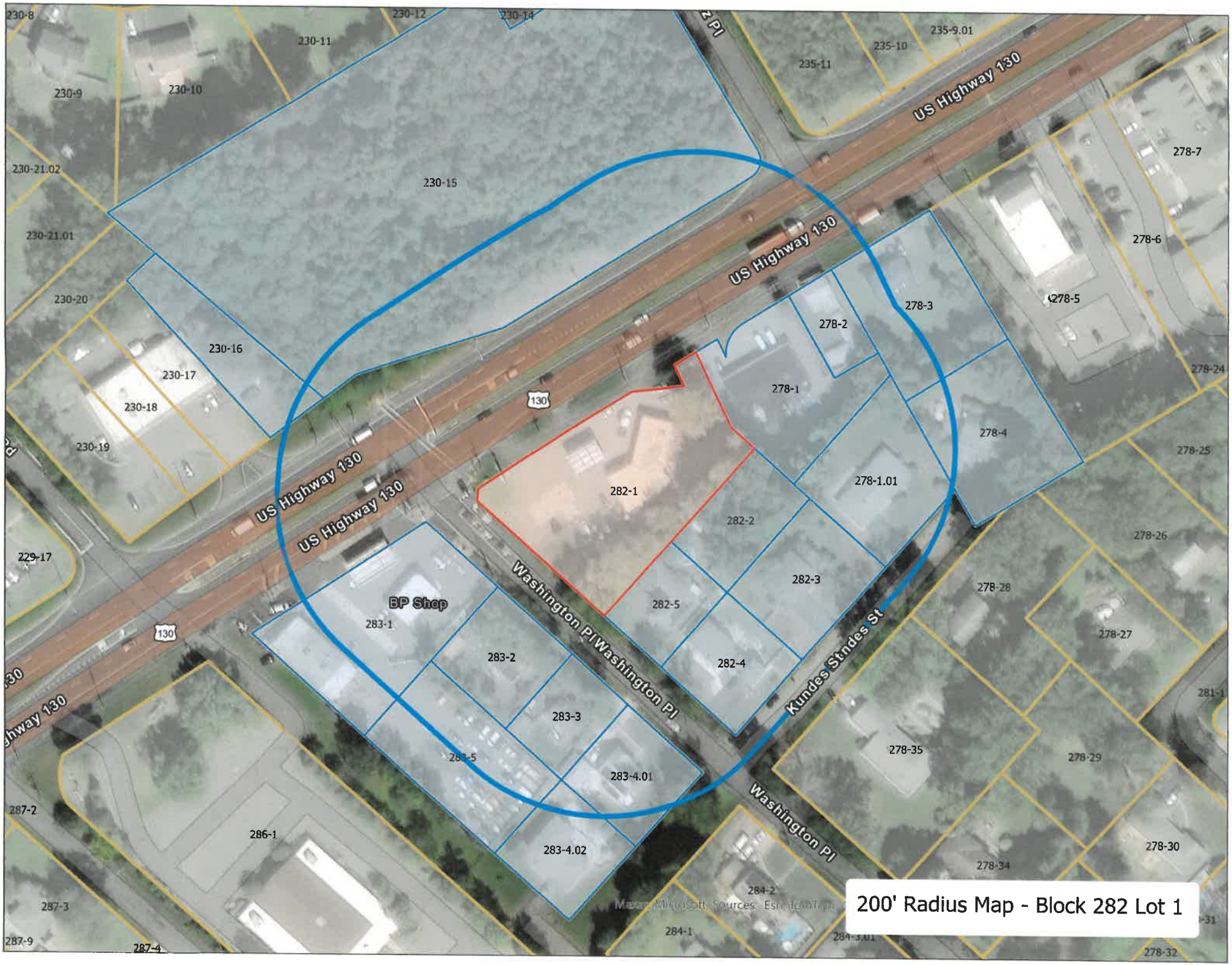
BLOCK	LOT	Property Location	Owner Name	Mailing Address	City, State	Zip
230	15	ROUTE 130	LABARBERA JOANNE	101 CRICKET HILL CIR	PRINCETON NJ	08540
230	16	1709 ROUTE 130	MEKALA PROPERTIES LLC	3 BANKO FARM ROAD	DAYTON NJ	08810
278	1	1674 ROUTE 130	SPSV LLC	1674 RTE 130	NORTH BRUNSWICK NJ	08902
278	1.01	1675 KUNDES STREET	CASON ALVIN & PAULA & CASON TORY	1675 KUNDES STREET	NORTH BRUNSWICK NJ	08902
278	2	1670 ROUTE 130	CHEREATH ROY & AMY	2 JUMPING BROOK	MONROE NJ	08831
278	3	1660 ROUTE 130	KOLLURU NAGESH & GARIMELLA SATYA S	21 SKEBA DRIVE	MONROE NJ	08831
278	4	1665 KUNDES STREET	D' AMATO JOSEPH & KATHLEEN-TRUST	1665 KUNDES STREET	NORTH BRUNSWICK NJ	08902
282	2	WASHINGTON PLACE	CSEPES THOMAS & ANA	359 WASHINGTON PLACE	NORTH BRUNSWICK NJ	08902
282	3	1685 KUNDES STREET	MENDIZABAL MAYNOR	1 DUER LANE	STATEN ISLAND NY	10301
282	4	335 WASHINGTON PLACE	KOSE ERDAL	335 WASHINGTON PLACE	NORTH BRUNSWICK NJ	08902
282	5	359 WASHINGTON PLACE	CSEPES THOMAS & ANA	359 WASHINGTON PLACE	NORTH BRUNSWICK NJ	08902
283	1	1710 ROUTE 130	MEKHAIEL FAMILY LLC	70 LARRY COURT	DAYTON NJ	08810
283	2	368 WASHINGTON PLACE	LUZACK DENISE	368 WASHINGTON PLACE	NORTH BRUNSWICK NJ	08902
283	3	360 WASHINGTON PLACE	ALZATE JORGE & HARUMI ROXANA	360 WASHINGTON PLACE	NORTH BRUNSWICK NJ	08902
283	4.01	356 WASHINGTON PLACE	SARANGLAO LYRA GERMAINE M	356 WASHINGTON PLACE	NORTH BRUNSWICK NJ	08902
283	4.02	333 HARDING AVENUE	PEDDI RAVINDRA & KAVITHA	333 HARDING AVENUE	NORTH BRUNSWICK NJ	08902
283	5	HARDING AVENUE	MEKHAIEL FARMILY LLC	162 FERN ROAD	EAST BRUNSWICK NJ	08816

Sal Profaci

July 2, 2025

Number of Properties: 17

Sal Profaci
Administrative Officer


230-8
230-12
230-14
230-11
230-9
230-10
230-21.02
230-15
230-21.01
230-20
230-16
230-17
230-18
230-19
US Highway 130
130
235-9.01
235-10
235-11
278-7
278-6
278-5
278-3
278-2
278-1
278-4
278-24
278-25
278-26
278-28
278-27
278-35
278-29
278-30
278-34
278-32
282-1
282-2
282-3
282-5
282-4
283-1
283-2
283-3
283-5
283-4.01
283-4.02
BP Shop
Washington Pl
Kundes St
229-17
287-2
286-1
287-3
287-9
287-4
284-2
284-1
281-1
200' Radius Map - Block 282 Lot 1

LABARBERA JOANNE
101 CRICKET HILL CIR
PRINCETON NJ, 08540

MEKALA PROPERTIES LLC
3 BANKO FARM ROAD
DAYTON NJ, 08810

SPSV LLC
1674 RTE 130
NORTH BRUNSWICK NJ, 08902

CASON ALVIN & PAULA & CASON TORY
1675 KUNDES STREET
NORTH BRUNSWICK NJ, 08902

CHEREATH ROY & AMY
2 JUMPING BROOK
MONROE NJ, 08831

KOLLURU NAGESH & GARIMELLA SATYA S
21 SKEBA DRIVE
MONROE NJ, 08831

D' AMATO JOSEPH & KATHLEEN-TRUST
1665 KUNDES STREET
NORTH BRUNSWICK NJ, 08902

CSEPES THOMAS & ANA
359 WASHINGTON PLACE
NORTH BRUNSWICK NJ, 08902

MENDIZABAL MAYNOR
1 DUER LANE
STATEN ISLAND NY, 10301

KOSE ERDAL
335 WASHINGTON PLACE
NORTH BRUNSWICK NJ, 08902

CSEPES THOMAS & ANA
359 WASHINGTON PLACE
NORTH BRUNSWICK NJ, 08902

MEKHAIEL FAMILY LLC
70 LARRY COURT
DAYTON NJ, 08810

LUZACK DENISE
368 WASHINGTON PLACE
NORTH BRUNSWICK NJ, 08902

ALZATE JORGE & HARUMI ROXANA
360 WASHINGTON PLACE
NORTH BRUNSWICK NJ, 08902

SARANGLAO LYRA GERMAINE M
356 WASHINGTON PLACE
NORTH BRUNSWICK NJ, 08902

PEDDI RAVINDRA & KAVITHA
333 HARDING AVENUE
NORTH BRUNSWICK NJ, 08902

MEKHAIEL FARMILY LLC
162 FERN ROAD
EAST BRUNSWICK NJ, 08816

THE FOLLOWING OTHER AGENCIES MUST ALSO BE NOTIFIED :

Middlesex County Planning Board
County Administration Building
5th Floor
75 Bayard Street
New Brunswick, NJ 08901

North Brunswick Township
710 Hermann Road
North Brunswick, NJ 08902
Attn: Township Clerk

Public Service Electric & Gas Co.
Manager – Corporate Properties
80 Park Place, T6B
Newark, NJ 07102

Verizon
N.J Gen. Tax Administration
Broad Street – Room 305
Newark, NJ 07101

Cablevision of Raritan Valley
275 Centennial Avenue
CN 6805
Piscataway, NJ 08855-6805
Attn: Margurite Prenderville

Department of Transportation
State of New Jersey
1035 Parkway
Trenton, NJ 08625

Construction Department Mr. Tim Allen
Texas Eastern Transmission Corp.
501 Coolidge Street
South Plainfield, NJ 07080

Sunoco Pipeline L.P.
Right of Way
Montello Complex
525 Fritztown Road
Sinking Spring, PA 19608

APPENDIX G

7/26/18 On-Site Receptor Evaluation

New Jersey Department of Environmental Protection
Site Remediation Program

RECEPTOR EVALUATION (RE) FORM

Date Stamp
(For Department use only)

SECTION A. SITE

Site Name: 1696 Rt 130, LLC

Program Interest (PI) Number(s): 010180

Case Tracking Number(s) for this submission: 17-09-01-1155-48

This form must be attached to the Cover/Certification Form if not submitted through a Remedial Phase Online Service

Indicate the type of submission:

☒ Initial RE Submission

☐ Updated RE Submission

Indicate the reason for submission of an updated RE form

- ☐ Submission of an Immediate Environmental Concern (IEC) source control report;
- ☐ Submission of a Remedial Investigation Report;
- ☐ Submission of a Remedial Action Report;

Check if included in updated RE

- ☐ The known concentration or extent of contamination in any medium has increased;
- ☐ A new AOC has been identified;
- ☐ A new receptor is identified;
- ☐ A new exposure pathway has been identified.

SECTION B. ON SITE AND SURROUNDING PROPERTY USE

1. Identify any sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site boundary (check all that apply):

	On-site	Off-site
None of the following	☐	☐
Residences or residential property	☐	☒
Public or Private Schools grades K-12	☐	☐
Child care centers	☐	☐
Public parks, playgrounds or other recreation areas	☐	☐
Other sensitive population use(s) Explain _____	☐	☐

If any of the above applies, attach a list of addresses, facility names, type of use, and a map depicting each location relative to the site.

2. Current site uses (check all that apply):

☐ Industrial ☐ Residential ☒ Commercial ☐ Agricultural
☐ School or child care ☐ Government ☐ Park or recreational use
☐ Vacant ☐ Other: _____

3. Planned future site uses and off-site use within 200 ft of site boundary (check all that apply):

☐ Industrial ☐ Residential ☐ Commercial ☐ Agricultural
☐ School or child care ☐ Government ☐ Park or recreational use
☐ Vacant ☐ Other: _____

Provide a map depicting the location of the proposed changes in land use.

SECTION C. DESCRIPTION OF CONTAMINATION

1. Identify if any of the following exist at the site (check all that apply):
   - ☐ Free product [N.J.A.C. 7:26E-1.8] identified is ☐ LNAPL* or ☐ DNAPL**. Date identified: _____
   - ☐ Residual product [N.J.A.C. 7:26E-1.8]
   - ☐ Other high concentration source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos)

     Explain: _____

   * LNAPL – measured thickness of .01 feet or more

   **DNAPL – See US EPA DNAPL Overview

2. Soil Migration Pathway

   Has soil contamination been delineated to the applicable Direct Contact Soil Remediation Standard? ...extent not defined to date for case # 17-09-01-1155-48... ☐ Yes ☒ No

   Are all soils either below the applicable Direct Contact Criteria or under an institutional control (i.e. deed notice)? ...not known if below direct contact at this time... ☐ Yes ☐ No

3. If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section D. Otherwise attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report. See attached summary

SECTION D. GROUND WATER USE

1. Has the requirement for ground water sampling been triggered? ☐ Yes ☐ No ☒ Unknown
   If "No," proceed to Section F. If "Unknown," explain:

   Ground water not sampled as of this time.Extension request to extend SI report due date was submitted to NJDEP.

2. Is Ground water contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]? ☐ Yes ☐ No ☒ Unknown

   Or ☐ Awaiting laboratory data with the expected due date: _____

   If "Yes," provide the date that the laboratory data was available and confirmed contamination above the Ground Water Remediation Standards. Date: _____

   If "Unknown," explain: Not sampled to date. Extension request to extend SI report due date has been submitted

   If "No," or awaiting laboratory data proceed to Section F.

3. Has ground water contamination been delineated to the applicable Remediation Standard? ☐ Yes ☐ No
4. Has a well search been completed? ☒ Yes ☐ No

   Date of most recent or updated well search: 07/17/2018

   Identify if any of the following conditions exist based on the well search [N.J.A.C.7:26E-1.14(a)] (check all that apply):
   - ☐ Potable wells located within 500 feet from the downgradient edge of the currently known extent of contamination.
   - ☐ Potable well located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
   - ☐ Ground water contamination is located within a Tier 1 wellhead protection area (WHPA).

5. Is a completed Well Search Spreadsheet or historical well search table attached and has an electronic copy of the spreadsheet been submitted to srpgis_wrs@dep.state.nj.us. ☒ Yes ☐ No

   If "No," explain: _____

6. Are any private potable or irrigation wells located within ½ mile of the currently known extent of contamination? ☒ Yes ☐ No

   If "Yes," was a door to door survey completed? ☒ Yes ☐ No

   If survey was not completed explain: _____

7. Has sampling been conducted of ☐ potable well(s) and /or ☐ non-potable use well(s)? ☐ Yes ☒ No

   If "No," provide justification then proceed to Section E.

   No potable or irregation wells located within canvas area

8 Has contamination been identified in potable well(s) above Ground Water Remediation Standards that is not suspected to be from the site? (If "Yes," provide justification) ☐ Yes ☐ No

_____

9 Has contamination been identified in potable well(s) that is above the Ground Water Remediation Standards or Federal Drinking Water Standards? ☐ Yes ☐ No

Provide date laboratory data was received: _____

Or ☐ awaiting laboratory data with the expected due date: _____

If "Yes" for potable well contamination **not attributable to background**, follow the IEC Guidance Document at http://www.nj.gov/dep/srp/guidance/index.html#iec for required actions and answer the following:

Has an engineered system response action been completed on all receptors? ☐ Yes ☐ No

Provide a brief narrative description:

Date completed: _____ NJDEP Case Manager: _____

10. Were Non-potable use well(s) sampled and results were above Class II Ground Water Remediation Standards? ☐ Yes ☐ No

Provide date laboratory data was received: _____

Or ☐ awaiting laboratory data with the expected due date: _____

11. Has the ground water use evaluation been completed? ☒ Yes ☐ No

SECTION E. VAPOR INTRUSION (VI)

1. Contaminants present in ground water exceed the Vapor Intrusion Ground Water Screening Levels that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance). ... ☐ Yes ☐ No ☒ Unknown

Or ☐ Awaiting laboratory data and the expected due date: _____

Provide the date that the laboratory data was available and confirmed contamination above the Vapor Intrusion Trigger Levels. Date: _____

2. Other existing conditions that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance)

☐ Wet basement or sump containing free product or ground water containing volatile organics
☐ Methane generating conditions causing oxygen deficient or explosion concern
☐ Other human or safety concern from the VI pathway (i.e. elemental mercury, unsaturated contamination, elevated soil gas or indoor vapor (explain):

If you answered "No," or awaiting laboratory data to Question 1., *and* did not check any boxes in Question 2, proceed to Section F, "Ecological Receptors", otherwise complete the rest of this section.

3. Has ground water contamination been delineated to the applicable Ground Water Vapor Screening Level? ☐ Yes ☐ No

4. Was a site specific screening level, modeling or other alternative approach employed for the VI pathway? ☐ Yes ☐ No

5. Identify and locate on a scaled map any buildings/sensitive populations that exist within the following distances from ground water contamination with concentrations above the Vapor Intrusion Ground Water Screening Levels or specific threats (check all that apply):

☐ 30 feet of petroleum free product or dissolved petroleum hydrocarbon contamination in ground water
☐ 100 feet of any non-petroleum free product or any non-petroleum dissolved volatile organic ground water contamination
☐ No buildings exist within the specified distances

6. The vapor intrusion pathway is a concern at or adjacent to the site (if "No," attach justification) ☐ Yes ☐ No

7. Has soil gas sampling of the building(s) been conducted? ☐ Yes ☐ No ☐ N/A
   If "No," or "N/A," proceed to #12

8. Has indoor air sampling been conducted at the identified building(s)? ☐ Yes ☐ No
   If "No," proceed to #12

9 Has indoor air contamination been identified but not suspected to be from the site?
   (if "Yes," attach justification) ☐ Yes ☐ No

10. Indoor air results were above the NJDEP's Rapid Action Levels. ☐ Yes ☐ No

    Provide the date that the laboratory data was available. Date: _____

    Or ☐ Awaiting laboratory data with the expected due date: _____

    If "Yes" to #10 above, follow the IEC Guidance Document at
    http://www.nj.gov/dep/srp/guidance/index.html#iec **for required actions.**

    The IEC engineering system response for control was implemented for all
    identified structures ☐ Yes ☐ No

    Date: _____ NJDEP Case Manager: _____

11. Indoor air sampling was conducted and results were above the NJDEP's Indoor Air Screening
    Levels but at or below the Rapid Action Levels ☐ Yes ☐ No

    Provide the date that the laboratory data was available. Date: _____

    Or ☐ Awaiting laboratory data with the expected due date: _____

    If "Yes" to #11 above, answer the following:

    Has the Vapor Concern (VC) Response Action Form notifying the NJDEP of the exceedances
    been submitted? ☐ Yes ☐ No

    Date: _____

    Has a plan to mitigate and monitor the exposure been submitted? ☐ Yes ☐ No

    Date: _____

    Has the Mitigation Response Action Report been submitted? ☐ Yes ☐ No

    Date: _____

12. Has the vapor intrusion investigation been completed? ☐ Yes ☐ No
    If "No", is the vapor intrusion investigation stepping out as part of the site
    investigation or remedial investigation. (If "No," attach justification) ☐ Yes ☐ No

SECTION F. ECOLOGICAL RECEPTORS

1. Has an Ecological Evaluation (EE) has been conducted? [N.J.A.C. 7:26E-1.16] ☒ Yes ☐ No
   Date conducted: 09/01/2018

2. Do the results of an EE trigger a remedial investigation of ecological receptors? [N.J.A.C. 7:26E-4.8] ☐ Yes ☒ No

3. Has a remedial investigation of ecological receptors been conducted? ☐ Yes ☐ No
   Date conducted: _____

4. Provide the following information for any surface water body on or within 200 feet of the site:

Surface Water Body Name	Stream Classification	Antidegradation Designation	Trout Production	Trout Maintenance
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐

5. Does the site contain any features regulated by the Land Use Regulation Program (LURP)? (e.g. wetlands, flood hazard area, tidelands, etc.). ☐ Yes ☒ No

   If "Yes," identify the type(s) of features: _____

6. Have any formal LURP jurisdiction letters or approvals been issued for the site? ☐ Yes ☒ No

   If "Yes," what is the LURP Program Interest (PI) number(s) for the site? _____

7. Have any applications for formal LURP jurisdiction letters or approvals been submitted the NJDEP? ☐ Yes ☒ No

   If "Yes," what is the LURP Program Interest (PI) number(s) for the site? _____

8. Is free product or residual product located within 100 feet from an ecological receptor? ☐ Yes ☒ No

9. Does available data indicate an impact on Ecological receptor(s), Surface water, or Sediment? ☐ Yes ☒ No

   If "Yes,"

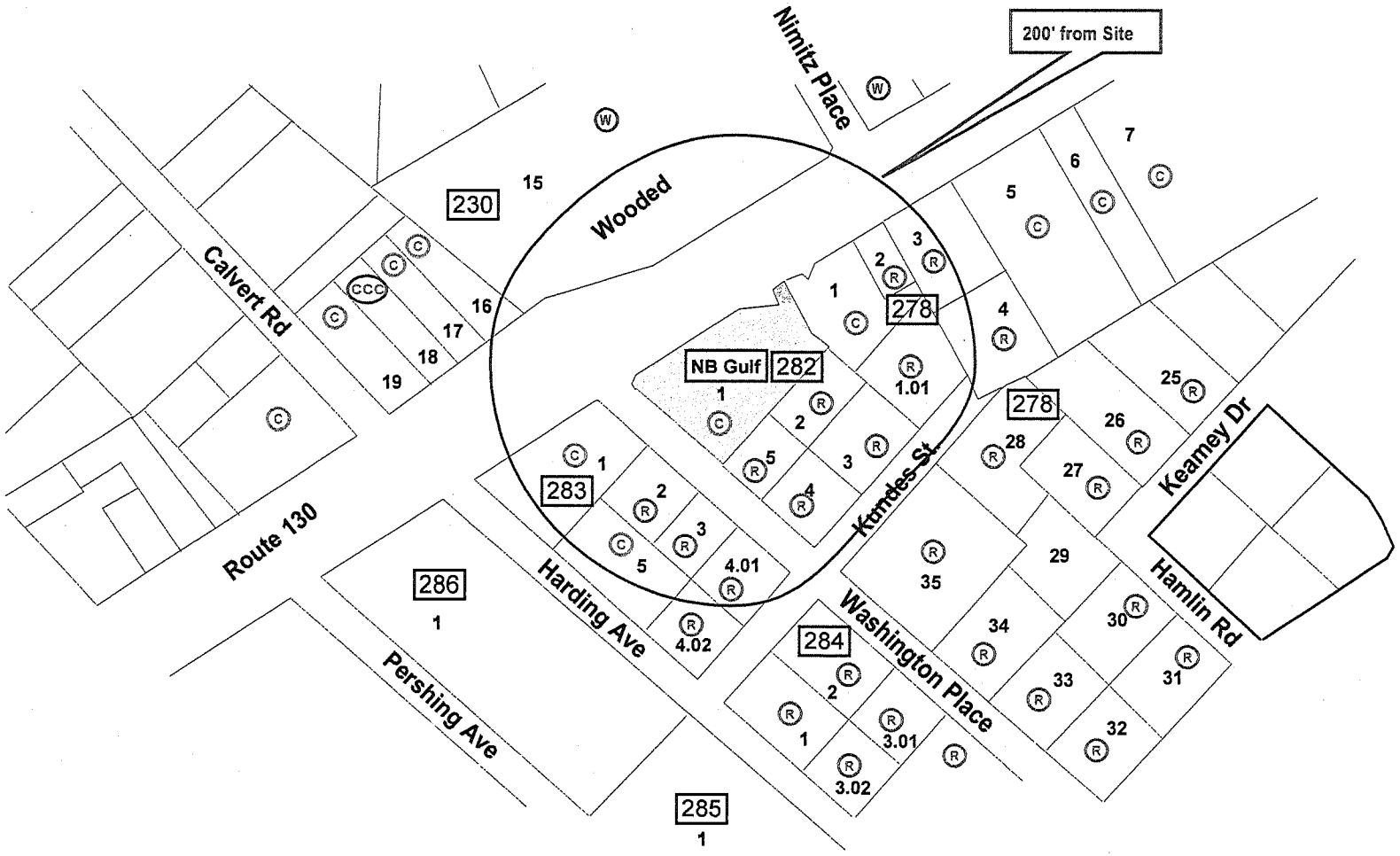
   a) Check all that apply:

      ☐ Ecological receptor(s) ☐ Surface water ☐ Sediment

   b) Submit with this evaluation either a technical document that includes contaminant summary information, or a description of the type of contamination, a schedule, and a description of all actions to be taken to mitigate exposure.

Completed forms should be sent to the municipal clerk, designate health department, and:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420



KEY

- (R) Residential Property
- (C) Commercial Property
- (W) Wooded
- (CCC) Child Care Center
- 4208 Block
- 2 Lot

Source: NJDEP Geo Web

N

0' 242'

APPROXIMATE SCALE IN FEET

ON-SITE ENVIRONMENTAL
119 Shepherds Way • Coatesville, PA 19320
Phone: (610) 384-2719 • Fax (610) 384-2709

Drawing #:
File : taxmap

Date
7/23/18

Figure 1 Property Use Map
North Brunswick Gulf
1696 Georges Road
North Brunswick, NJ

Table 1: Properties within 200 feet of North Brunswick Gulf Station

Block	Lot	Occupant	Property Address	Township	State	Zip Code	Owner Name	Owner Address				Type of Use
230	15	WOODED LOT	RT 130 (WOODED LOT)	NORTHBRUNSWICK	NJ		Labarbera Santo % J Labarbera	101 CRICKET HILL CIRCLE	Princeton	NJ	08540	Vacant
230	16	FRIENDLY RENTAL	1709 RT 130	NORTHBRUNSWICK	NJ	08902	Calvert Associates LLC	PO BOX 1021	MT LAUREL	NJ	08054	Equipment Rental
230	17	FRIENDLY RENTAL	1709 RT 130	NORTHBRUNSWICK	NJ	08902	Calvert Associates LLC	PO BOX 1021	MT LAUREL	NJ	08054	Equipment Rental
278	1.01	AMEDURI CHRISTOPHER J & MICHELE	1675 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Same as Occupant	1675 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Residential
278	1	VALET DRY CLEANERS	1674 RT 130	NORTHBRUNSWICK	NJ	08902	Krauszer Family LLC	18 MULBERRY LANE	EDISON	NJ	08820	Dry Cleaner
278	1	QUIK OUT (CONVIENCE STORE)	1674 RT 130	NORTHBRUNSWICK	NJ	08902	Krauszer Family LLC	18 MULBERRY LANE	EDISON	NJ	08820	Convenience store
278	2	Resident	1670 RT 130	NORTHBRUNSWICK	NJ	08902	Roy & Amy Chereath	2 JUMPING BROOKE	MONROE	NJ	08831	Residential
278	3	Resident	1660 RT 130	NORTHBRUNSWICK	NJ	08902	Koliuru Nagesh K	4 Eddington Lane	Monroe	NJ	08931	Residential
278	4	DAMATO JOSEPH & KATHLEEN	1665 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Same as Occupant	1665 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Residential
278	28	CONLIN MARK J & KATHLEEN M	1680 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Same as Occupant	1680 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Residential
278	35	RAVENS JUAN R & LUCILLE	321 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	321 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Residential
282	1	Precision Auto Service	1696 GEORGES RD RT 130	NORTHBRUNSWICK	NJ	08902	1696 Route 130 LLC	555 Georges Road	Dayton	NJ	08810	Auto repair
	1	Fai Fuel, Inc.: Mobil	1696 GEORGES RD RT 130	NORTHBRUNSWICK	NJ	08902	1696 Route 130 LLC	555 Georges Road	Dayton	NJ	08810	Retail gasoline & diesel fuel sales
282	2	THOMAS & ANA CSEPES	359 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	359 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Residential backyard
282	3	ZHANG RONGHUI	1685 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Same as Occupant	1685 KUNDES STREET	NORTHBRUNSWICK	NJ	08902	Residential
282	4	CASSELLA DAVID	335 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	335 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Residential
282	5	THOMAS & ANA CSEPES	359 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	359 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Residential
283	1	BP SEVICE STATION	1710 Rt 130	NORTHBRUNSWICK	NJ	08902	Pernice Family Partnership LLC	15 Brittany Way	Kendall Park	NJ	08824	Service Station
283	1	Spotless Hand Carwash & Detailing	1710 Rt 130	NORTHBRUNSWICK	NJ	08902	Pernice Family Partnership LLC	15 Brittany Way	Kendall Park	NJ	08824	Cra Wash
283	2	LUZACK DENISE	368 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	368 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Residential
283	3	ALZATE JORGE & HARUMI ROXANA	360 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	360 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Residential
283	4.01	TaiJ George	356 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	356 WASHINGTON PLACE	NORTHBRUNSWICK	NJ	08902	Residential
283	4.02	PEDDI RAVINDRA & KAVITHA	333 HARDING AVENUE	NORTHBRUNSWICK	NJ	08902	Same as Occupant	333 HARDING AVENUE	NORTHBRUNSWICK	NJ	08902	Residential
283	5	STORAGE YARD FOR LOT 1	HARDING AVE (STORAGE YARD)	NORTHBRUNSWICK	NJ		Pernice Family Partnership LLC	15 Brittany Way	Kendall Park	NJ	08824	Storage yard for lot 1

Supplemental Information for Receptor Evaluation: 7/26/18

This incident involves a damaged manway/sump associated with an underground storage tank (UST) that stores unleaded gasoline at the North Brunswick Gulf station located at 1696 Georges Road in North Brunswick, New Jersey. The New Jersey Department of Environmental Protection (NJDEP) case number is 17-09-01-1155-48. The block and the Lot number of the site is block 282 Lot 1.

In mid July 2017, the responsible party (RP) noticed the lid on a manway associated with a 12,000 gallon UST at the site was damaged. It appeared a truck parked on the lid and the weight of the truck damaged the lid. In response the RP/owner (Mr. Walter Lapp) told the lessee of the retail gasoline facility to have C 3 Technologies, LLC order a new lid and replace it. After approximately three weeks the owner drove by the site and noticed the lid was not replaced therefore he contacted C 3 Technology directly and authorized them to order the lid.

On August 31, 2017, C3 Technology, LLC came to the site and removed the lid. Upon removal they discovered the STP manway was compromised and product was found in the STP manway due to an apparent leak from a flex pipe. In addition, the ICON electric entry boot was found torn and the level of gasoline in the manway was found at the level of the torn boot. The UST was immediately taken out of service and C 3 Technology recovered approximately 40 gallons of gasoline from the manway and proceeded to replace the seal around the electric line, the flex hose, a short pipe in the manway and the manway lid. At that time it was also discovered that the Veetor Root alarm was going off since August 9, 2017 but was ignored by the facility operator. After the line in the manway was tested by C 3 Technology the UST was put back in operation on September 1, 2017.

On September 1, 2017, an LSRP meet Mr. Lapp at the station and inspected the manway and two monitoring wells near the tank associated with the damaged manway **(Figure 3: RW1 and MW 3)**. Those monitoring wells were installed in 2002/2003 in response to another incident that occurred at the site on August 30, 2001 (Case # 01-08-30-1546-07). RW 1 is located in the back fill (pea gravel) that surrounds the UST and MW 3 is located on the down gradient end of the UST. No product was detected in the monitoring wells.

Since the gasoline in the manway (before the repairs) was reportedly up to the level of the compromised seal that was around the electric line it was assumed that gasoline may have escaped the manway via the damaged seal. Therefore, Mr. Lapp and the LSRP called the NJDEP Hotline and Case # 17-09-01-1155-48 was assigned to the suspect release/incident.

To determine if the release was substantial and greater than the amount of gasoline that was recovered from the sump the owner requested inventory records from the operator. According to the owner the records were difficult to evaluate and inconclusive. Therefore, to evaluate if gasoline escaped through the seal on October 3, 2017, C 3 Technology cut a small hole in the manway to allow for the collection of a sample of the material just below the former damaged seal. After the hole was complete the LSRP used a calibrated photo-ionization detector (PID) to monitor the material surrounding the manway. The PID reading was only 54 ppmv. A sample of the material (pea gravel) was then collected for laboratory

analysis of volatile organic compounds (VOCs). The sample was collected at a depth of 47-inches below surface grade. After the sample was collected the hole was sealed by C 3 Technology. Since the sample was pea gravel and not soil it was not collected per VOC analysis specifications. However, the analysis did indicate that compounds related to gasoline were detected in the sample and therefore it was concluded a release to the environment did occur. However, no compound was above the soil standards. The compounds detected in the sample are listed below along with the standards for soil.

Compound	**Residential Direct Contact Standard (mg/kg)**	**Default Soil to Groundwater Standard (mg/kg)**	**Pea Gravel Concentration (mg/kg)**
Acetone	70,000	19	1,190
Benzene	2	0.005	0.00024 J
2-Butanone	3,100	0.9	0.153
Naphthalene	6	25	0.0105
Styrene	90	3	0.0616
TBA	1,400	0.3	0.0187 J
Toluene	6,300	7	0.00071 J
Xylenes	12,000	19	0.00058 J
TICs	-	-	0.1451 J
Alkanes	-	-	0

J: Estimated value

Future plans are to collect ground water samples from RW 1 and MW 3 and compare the results to samples collected before the manway incident occurred to provide a line of evidence regarding the suspect release. The last samples collected from those wells were secured in December 2016. Also the manway will be replaced to comply with the new UST regulations that will be effective in October 2018. During that replacement the concrete around the manway will have to be removed and the LSRP will have an opportunity to inspect, monitor and resample the material around the manway. Based on those findings the LSRP will likely make a determination if the release from the manway impacted the subsurface with concentrations above the standards. The future plans discussed above have been delayed due to the owner's health. During 2017 the owner was diagnosed with cancer and had undergone treatment, which delayed these activities. An extension request to the regulatory timeframe to submit the Site Investigation (SI) report has been submitted to the NJDEP. The proposed extended timeframe is 9/1/19.

There is an old incident at his site (case # 01-08-30-1546-07) that also involves a release of gasoline from a damaged UST that was in the same location as the damaged manway. That incident occurred on August 30, 2001. Interim remedial measures have been conducted 2001/2002 in response to the older incident including the excavation of approximately 1,050 tons of impacted soil, recovery of approximately 38,330 gallons of ground water and 500 gallons of free product from the excavation and closure of all the UST. Subsequently during May and June 2003 new USTs were installed at the site in

the same location. One of the UST installed in 2003 had it associated manway damaged on August 31, 2017, which is the incident this receptor evaluation was prepared in response to.

A significant amount of soil and ground water samples have been collected at the site relative to the old incident, which included the analysis of over 100 soil samples and the installation and sampling of 16 ground water monitoring wells. Receptor evaluations and well searches have been conducted in the past due to the old incident. The last well search relative to the old incident was conducted during July 2017 using the NJDEP data minor web site and requesting a 1-mile radial diversion search from the NJDEP Bureau of Water Allocation for large water withdrawal points. The NJDEP Geo Web site was also reviewed to located community and non-community well head protection areas. That well search did identify potable and irrigation wells within ½ mile from the site. No large withdrawal wells were reported within 1-mile of the site. Although it is not known if the requirement for ground water sampling has been triggered for the new incident the well search was updated on July 17, 2018 (to be conservative) using the NJDEP data minor web site to search for all potential potable and irrigation wells within a 1-mile radius of the site. The NJDEP Geo web site was also reviewed to search for community and non-community well head protection areas. Since the well searches conducted did find potable and irrigation wells within ½ mile from the site a door to door survey was initially conducted in 2010 and was updated on April 17, 2018 by sending letters to property owners and tenants who were not available during the 2010 door to door survey. The door to door survey did not identify any potentially potable wells within 500 feet of the site. Furthermore, the Geo Web search indicated the site is not in a sole source aquifer area and that there are no community or non-community well head protection areas within 1-mile of the site. A well search spreadsheet is attached for the survey conducted on July 17, 2018 and an electronic copy has been submitted to srpgis_wrs@dep.state.nj.us. A map showing well identified in the July 17, 2018 well search is attached.

There is soil at the site that is impacted above the residential direct contact and default soil to ground water standards but those impacts are related to older releases. It is not known at this time if the new incident contributed to the soil impacts. In addition, vapor intrusion investigations have been conducted at the site that where triggered by the old incident. At this time it is not known if the new incident triggered additional VI investigations. The last VI sampling, which involved indoor and ambient air samples at a nearby resident, was conducted on March 6, 2018, which was approximately 6 months before the new incident occurred. No compound was detected above the indoor air screening levels for VI in the samples. Based on the fact that the soil surrounding the UST is a clay with very low permeability and the distance to the nearest structure, which is approximately 120 feet in a side gradient direction it is anticipated that no VI investigation should be required relative to the incident that occurred on August 31, 2017. However ground water sampling will be conducted in the future to confirm that assumption.

ECOLOGICAL EVALUATION

1.0 INTRODUCTION

On September 1, 2017, On-Site Environmental, Inc. (On-Site) conducted a site inspection as part of an ecological evaluation to evaluate if any sensitive receptor was at risk of being impacted by a suspect release of gasoline from the damaged manway on a 12,000 gallon underground storage tank (UST) that stored unleaded gasoline. The findings of that evaluation indicated there were no risk to receptors and no further ecological evaluation were required.

2.0 INCIDENT

The incident that the ecological evaluation described here-in is related to involve a release of gasoline from a flex pipe in a damaged manway on a 12,000 gallon UST that occurred on August 30, 2017 **(Figure 3)**. It is not an ecological evaluation related to other incidents at the site.

3.0 ECOLOGICAL EVALUATION

As part of the ecological evaluation the site was examined for the co-occurrence of the following:

1) Environmental Sensitive Natural Resources (ESNRs),

2) The presence of Contaminants of Potential Environmental Concern (COPEC), and

3) The presence of a contaminated migration pathway from the incident area to the ENSR, or evidence of contaminated material having been placed directly in the ESNR.

4.0 IDENTIFICATION OF ESNRs

An ecological evaluation was initiated during On-Site's site inspection on 9/1/17. That evaluation indicated that there was not visual evidence of a migration pathway from the area of concern (AOC) to environmentally sensitive natural resources (ESNRs). There is a swale that is located at the south end of the site that discharges to the local storm drain system that ultimately discharges to Farrington Lake located approximately 1,400 feet to the south, but the swale does not receive runoff from the area where the damaged manway was located. The area of concern associated with the release from the damaged manway and flex pipe was located in an area that was surfaced with concrete and the gasoline that accumulated in the manway/sump reportedly did not overflow the top of the sump but did escape the manway through a compromised seal on an electric line. The compromised seal was located at a depth of approximately 45 inches below surface grade. The site inspection and subsequent review of the NJDEP Geo Web site and NJDEP Landscape 3.3 Viewer did not identify any ESNR on or adjacent to the site or within 200 feet of the property. The NJDEP Geo Web and Landscape Viewer site revealed:

- The closest surface water body is Farrington Lake located approximately 1,400 feet to the south of the site with a NJDEP conservation ranking of 4. A conservation rank of 4 is assigned to areas with one or more documented occurrences of at least one State endangered species **(Figure 4)**.

- The closest stream (Lawrence Brook Tributary) is located approximately 1,058 feet to the southwest.
- The closest wetland is located approximately 260 feet to the northwest and has a conservation ranking of 1 **(Figure 4)**. A conservation ranking of 1 is the lowest rank, containing habitat areas that meet habitat-specific suitability requirements, such as minimum area criteria for endangered, threatened and priority wildlife species, but that do not intersect with any documented occurrences of such species.
- There is a wooded forest located approximately 123 feet to the north of the site across Route 130, which is a heavy traffic road and borders the north property boundary of the site **(Figure 4)**.

The NJDEP Natural Heritage Program (NHP) was also contacted to identify any rare plant species or wildlife on the site and within ¼-mile of the site. The NHP response is attached, which identified the Bald Eagle (Rank 4) and the Great Blue Heron (Rank 2) within ¼-mile of the site. No rare plant species or ecological communities were identified on the site or within ¼-mile of the site.

The NJDEP conservation ranking system assigns various wildlife habitats in a five tier system. Rank 5 is the highest, containing one or more documented occurrences of at least one wildlife species listed as endangered or threatened on the Federal list of endangered and threatened species and Rank 1 is the lowest, containing habitat areas that meet habitat-specific suitability requirements, such as minimum area criteria for endangered, threatened and priority wildlife species, but that do not intersect with any documented occurrences of such species. A conservation rank of 2 is assigned to areas containing one or more documented occurrences of at least one non-listed State priority wildlife species. A conservation rank of 3 is assigned to areas with one or more documented occurrences of at least one State threatened wildlife species. A conservation rank of 4 is assigned to areas with one or more documented occurrences of at least one State endangered species. The ranking number associated with the ESNRs within ¼-mile of the site is shown on **Figure 4**.

Based on the information above, there are no ESNRs on the site or adjacent to the site. As mentioned above the nearest ESNR (a deciduous wooded wetland with a conservation rank of 1) is located approximately 260 feet to the northwest of the site.

5.0 CONTAMINANTS OF POTENTIAL ECOLOGICAL CONCERN (COPEC)

5.1 COPEC in Soil

If contaminated soils are located at a site, the level of contamination must be compared to the NJDEP Ecological Screening Criteria (ESC) to determine the effects of the contamination on the surrounding environment. The Ecological Soil Screening Levels (Eco-SSL) are concentrations of contaminants that are protective of ecological receptors that may come in contact with the contamination. The only samples collected to date was a sample of the pea gravel adjacent to the compromised seal around an electric line in the damaged manway. The sample was analyzed for volatile organic compounds and was collected a depth of 47-inches below grade, which was a few inches below the release depth. Since the

sample was pea gravel and not soil it was not collected per VOC analysis specifications. However, the analysis did indicate that compounds related to gasoline were detected in the sample. However, no compound was above the ecological soil screening levels. The compounds detected in the sample are listed below long with the ecological screening levels for soil.

Compound	Ecological Screening Level - Soil (mg/kg)	Pea Gravel (mg/kg)
Acetone	NA	1,190
Benzene	0.255 [8]	0.00024 J
2-Butanone	NA	0.153
Naphthalene	0.0994 [8]	0.0105
Styrene	4.69	0.0616
TBA	20 [9]	0.0187 J
Toluene	200 [9]	0.00071 J
Xylenes	10	0.00058 J
TICs	-	0.1451 J
Alkanes	-	0

8: USEPA Region 5, RCRA Ecological Screening Levels (ESCs) represent a protective benchmark (e.g., water quality criteria, sediment quality guidelines/criteria, and chronic no adverse effect levels) for 223 contaminants and are not intended to serve as cleanup levels, but are intended to function as screening levels, http://www.epa.gov/regrcra/ca/ESL.pdf.

9:Wildlife Preliminary Remediation Goal based on plant study.

The analytical results were not compared to the Eco-SL for surface water or sediment because no sediment or surface water was detected at the site or in the near vicinity of the site as mentioned above. No contaminants were detected in the pea gravel soil above the NJDEP Eco -SSL.

5.2 COPEC in Groundwater

If contaminated ground water could potentially migrate to surface water the level of contamination in ground water must be compared to the NJDEP Ecological Screening Criteria (ESC) for surface water. The Ecological Screening Levels (ESL) are concentrations of contaminants that are protective of ecological receptors that may come in contact with the contamination.

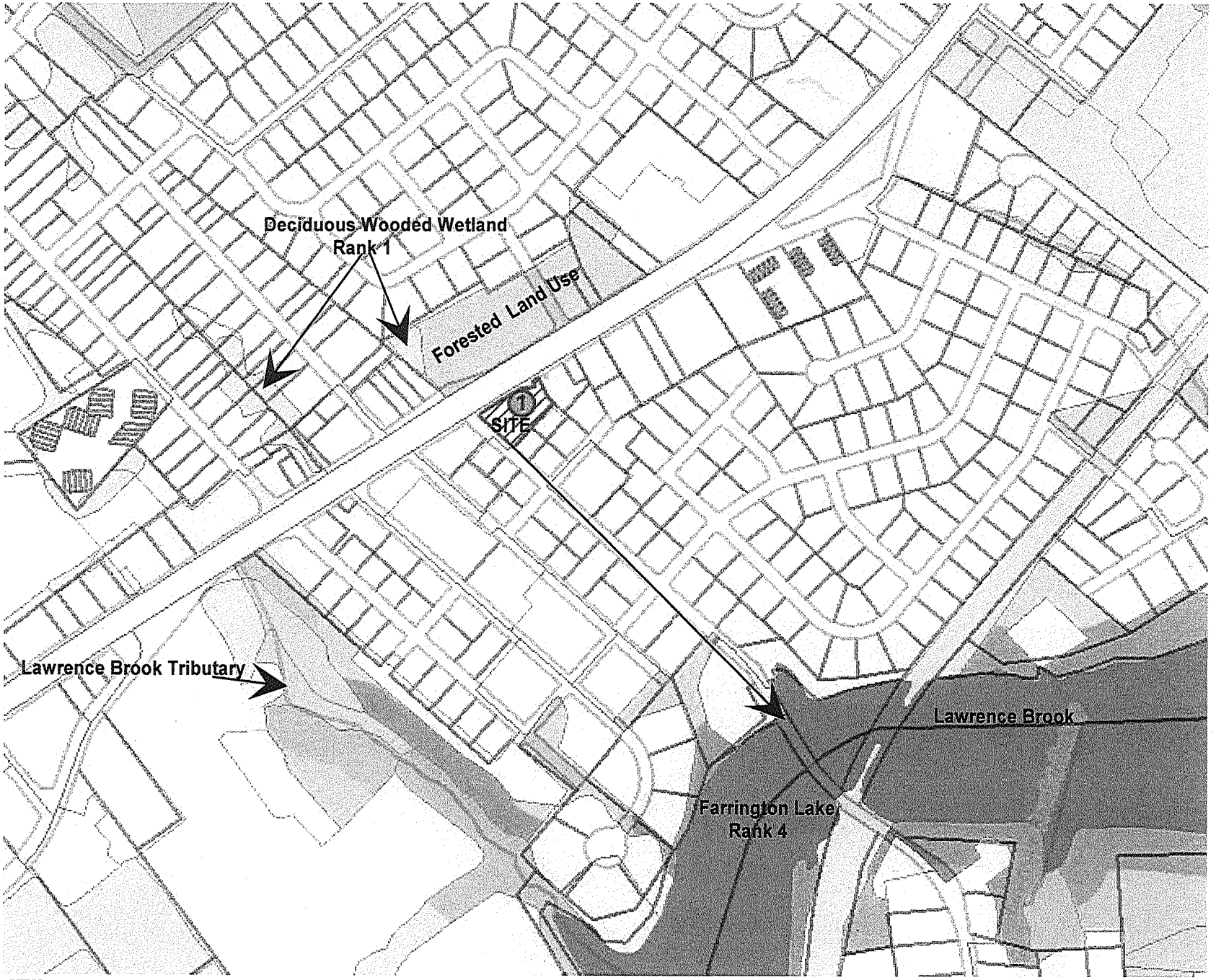
No ground water samples have been collected at the site since the incident occurred for comparison to the ecological surface water quality standards. However, based on professional judgment soil leechate to ground water and subsequent transport to an ESNR via ground water transport is not a concern due to the low hydraulic conductivity of the water bearing zone (7.7×10^{-3} ft/day) determined from onsite slug test and the distance to the nearest surface water (approximately 1,400 ft). In summary, it is not expected that contaminant transport by ground water flow will have any impact to surface waters or streams in the area.

6.0 Migration Pathway

There is no migration pathway form the AOC to the local ecology or ENSR. The AOC is located in an area covered by concrete and asphalt and the release was at a depth of approximately 45-inches below grade. Furthermore, since there is no ENSR on or adjacent to the site and the potential impacts are greater than 2 feet below grade and the soil has a very low permeability there is not a direct or indirect pathway to an ENSR at the North Brunswick Gulf station that is related to the incident that occurred on August 31, 2017.

7.0 RESULTS

Based on the findings above, it is concluded that no additional ecological investigation is warranted for the incident since there are no ESNR on or directly adjacent to the site and ground water transport to an ESNR is unlikely due to the low permeability of the local aquifer and the distance to the nearest surface water.



KEY

Urban Area

Water Body

0' 500'

APPROXIMATE SCALE IN FEET

N

ON-SITE ENVIRONMENTAL

119 Shepherds Way • Coatesville, PA 19320

Phone: (610) 384-2719 • Fax (610) 384-2709

Drawing #:

File : wetland

Date

7/25/18

Figure 4 Environmentally Sensitive Resource in Area

North Brunswick Gulf

1696 Georges Road

North Brunswick, NJ

ECOLOGICAL EVALUATION REPORT

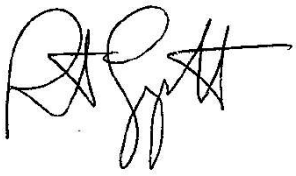
NORTH BRUNSWICK GULF SERVICE STATION
1696 Georges Road
North Brunswick, Middlesex County, New Jersey 08902
NJDEP Program Interest Number: 010180
TRC Project No. 325435

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April 2019

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APPENDICES

Appendix A Site Survey prepared by James M. Stewart, PLS, dated October 26, 2018
Appendix B Ecological Evaluation Site Inspection Photo Log
Appendix C Groundwater Contamination Iso-Concentration and Flow Contour Maps prepared by On-Site Environmental, Inc.

ATTACHMENTS

Attachment 1 Environmentally Sensitive Areas in Vicinity of the Site
Attachment 2 NJDEP Office of Natural Lands Management - Natural Heritage Program Database Request Letter

1.0 INTRODUCTION

On behalf of On-Site Environmental, Inc. (OSEI), TRC Environmental Corporation (TRC) has prepared this Ecological Evaluation (EE) as an appendix to the *Remedial Investigation Report* (RIR) to detail environmental investigation activities conducted to evaluate site conditions at the North Brunswick Gulf Service Station (the Site) located in North Brunswick, New Jersey. The Site is undergoing remedial investigation due to historic contamination associated with operation of the retail automobile service station, i.e., historic discharges associated with the Underground Storage Tank (UST) systems and other service station operations. The EE included a review of existing information and a Site inspection to identify potential Environmentally Sensitive Natural Resources (ESNRs) in the vicinity of the Site, Site-related Contaminants of Potential Ecological Concern (COPECs), and potential pathways for COPECs to migrate to the ESNRs.

The EE activities were performed in accordance with the New Jersey Department of Environmental Protection's (NJDEP) *Technical Requirements for Site Remediation* (TRSR), N.J.A.C. 7:26E, and the NJDEP's *Ecological Evaluation Technical Guidance* (EETG).

1.1 Scope and Objective

As required by the TRSR and the EETG, the scope of the EE for the Site is to identify the presence and co-occurrence of the following:

(1) ESNRs on, adjacent to, or potentially impacted by the Site;

(2) The presence of Contaminants of Potential Ecological Concern (COPEC) at the Site or area of concern (AOC) and in the ESNRs, and;

(3) The presence of a contaminant migration pathway (historic or current) from the site to the ESNR or evidence of contaminated material having been placed directly into an ESNR.

The primary objective of an EE is to evaluate existing information and analytical data to determine if no further ecological evaluation is warranted or if an Ecological Risk Assessment (ERA) is required.

2.0 SITE PHYSICAL SETTING AND HISTORY

Site information for the EE was obtained from the document titled *Preliminary Assessment Report – North Brunswick Gulf, 1696 Georges Road Rt. 130* (PAR) prepared in August 2016 and supplied to TRC by OSEI, and from other sources identified in this report.

2.1 Environmental Setting and Boundary Features

The Site is located at 1696 State Highway 130, Block 282, Lot 1 in the Township of North Brunswick, Middlesex County, New Jersey (Figure 1). It occupies 0.63-acres along the northbound side of New Jersey State Highway Route 130 (aka Georges Road). A service garage and office are located in the on-Site building, with other features including retail fuel dispensers under a canopy, underground storage tanks containing gasoline and diesel fuels, and vehicle parking areas. Most of the Site is covered by concrete or asphalt pavement, however the area south of the service building is unpaved bare ground adjacent to a partially-vegetated drainage ditch. The area surrounding the Site is occupied primarily by residential and commercial land uses. The Site is bounded to the north by Route 130 and vacant woodland, to the south by residential lots, to the east by a dry cleaning establishment and a convenience store, and to the west by Washington Place, a BP Service Station, and residential lots. The Site is located within the northern portion of New Jersey's Piedmont Physiographic Province, which typically consists of unconsolidated Cretaceous marine sediments (sand, gravel, silt, etc.) deposited above the consolidated sedimentary rock of the Passaic Formation (shale, siltstone, sandstone). The Site ranges in elevation from approximately 109 feet above mean sea level (amsl) in the northeast, to approximately 103 feet amsl in the southeast. The northern and western portion of the Site drains by overland flow to Washington Place, while the south-southwestern portion drains to an on-site ditch located along the southern property boundary. Ultimately, all runoff drains to the municipal storm sewers along Washington Place which flow south toward Farrington Lake (Figure 1). The Site is largely asphalt-paved with the exception of some gravel and grassed areas to the rear of the station building. A survey of the Site prepared by James Steward, a New Jersey Professional Licensed Surveyor (Dennis Sklar, Inc.) is included as Appendix A; site photographs are included as Appendix B.

2.2 Site-specific Geology and Hydrogeology

Unconsolidated materials underlie the Site, including fill material, and underlying native soils consisting of sand, silt, clay, and gravel associated with the Pennsauken formation. As reported by OSEI, the fill consists of miscellaneous soil and rock used to raise the grade of the Site, particularly to the rear (south) of the service building above the drainage ditch. The groundwater at the Site in the uppermost, unconfined water-bearing unit is found from 2 to 8 feet below grade

in the western portion of the Site, and from 4.5 to 8 feet in the northeastern portion depending upon the season. Overall groundwater flow is to the south. Information on deeper hydrogeologic strata at the Site is not known, but information from the NJDEP's GeoWEB database indicates that the Site is located above the Potomac-Raritan-Magothy formation.

2.3 Site History

The Site has been operated as a retail gasoline and service station for over 50 years and has been the subject of multiple site and remedial investigations and remediation related to the UST systems (historic and current) and other Areas of Concern (AOCs) under the NJDEP's Site Remediation Program (SRP). The Site has been under investigation since August 30, 2001 after a drill rig damaged one of the four 6,000-gallon, gasoline USTs then in place; the four USTs were removed from May-June 2003, and replaced with new USTs in the same location. Including the existing UST systems currently on-Site, thirteen (13) AOCs have been identified at the Site, including:

- Historic and current UST systems (AOCs 1, 2, and 4; [gasoline, diesel, heating oil USTs]; former pump island);
- High levels of lead and other contaminants behind the station building (AOC 3);
- Heating and waste oil above ground storage tanks (ASTs [AOCs 5 and 6]);
- Storm drains (AOC 7);
- Drainage swale (AOC 8);
- Former Floor Drains (AOC 9);
- Former Hydraulic Lifts (AOC 10);
- Former Septic System (AOC 11);
- Former Parts Cleaning Basin (AOC 12); and,
- Groundwater (AOC 13).

The Site has the following NJDEP identification numbers: Preferred Identification No. 010180, and Case Nos. 01-08-30-1546-07 and 01-08-30-1549-55. Remediation activities are currently being conducted under the supervision of a NJDEP Licensed Site Remediation Professional (LSRP), Mr. Frank Jasiulewicz, PG, of OSEI. Current tenant operations include retail gasoline and diesel sales and automobile servicing. Details regarding specific activities conducted as part of the investigation of the Site are detailed in the PAR.

The focus of the EE is on the unpaved, undeveloped portion of the site in and adjacent to AOCs 3, 6, and 8; the drainage swale is actually a ditch installed to collect stormwater runoff from the back side of the onsite building. According to the LSRP, with the exception of AOCs 4, 9, and 12, remediation is planned for each of the above-listed AOCs. Other than AOCs 3, 6, 8, and 13 (Groundwater), the remaining AOCs are not further discussed in this report.

3.0 TECHNICAL OVERVIEW

3.1 Soil, Groundwater, Sediment, and Surface Water Data and Data Quality

3.1.1 Data Quality

Existing data include soil, groundwater, and surface water samples described in the previous reports that were prepared for the Site and submitted to the NJDEP by OSEI for review. Since these data were previously submitted to the NJDEP as Electronic Data Deliverables (EDDs) by OSEI, the data are considered acceptable without further data quality review. Analytical data from all sampling events were analyzed by New Jersey-certified laboratories, including SGS North America, Inc. (formerly Accutest Laboratories, NJ Lab Cert. #12129), Eurofins Lancaster Labs (NJ Lab Cert. #PA011), and TestAmerica of King of Prussia, Pennsylvania (NJ Lab Cert. #PA004).

3.2 Ecological Evaluation Objectives

The overall objective of the EE is to evaluate COPECs in soil, groundwater, and surface water, and to provide the data necessary for the development of remedial action alternatives and/or an ERA, as appropriate.

The NJDEP's regulations and guidance require investigation of soil, sediment, and surface water, and EE as part of the site remediation process, when warranted. These requirements are applicable to the Site due to the presence of contaminated soil, and the presence of potential current or historic migration pathways for COPECs to reach ESNRs (e.g., groundwater, direct discharges, surface runoff, etc.). Statistical summaries were completed for soil, groundwater, sediment, and surface water data, based on comparison to the applicable ESCs where appropriate and as further described in Section 4.

The NJDEP's Site Remediation Program (SRP) regulations and guidance require investigation of soil, sediment, and surface water, and ecological evaluation as part of the site remediation process, when warranted. These requirements are applicable at the Site due to the presence of contaminated soil/fill, and potential discharges of storm water and ground water from the Site to surface waters downstream of the Site, i.e., Farrington Lake. In addition to published NJDEP criteria and standards, the data for all media were compared to background concentrations for metals established in the literature, Statistical data summaries were completed for each medium.

Remediation standards and criteria that apply for ecological evaluation of on-site soils data include:

- Soil Screening Levels (Upper and Lower Ecological Soil Screening Levels [USSL, LSSL]) (NJDEP-SRP Webpage; 2009); the USSL is the highest ESC. Similarly, the LSSL represents the lowest ESC.).
- Surface water quality SWQS and surrogate ESCs for Freshwater Aquatic Life Protection (acute and chronic) and Freshwater Aquatic Life Protection (SWQS; NJAC7:9B; NJDEP-SRP Webpage; 2009).

The SWQS are adopted remediation standards in the NJDEP regulations (NJAC7:26D) that include numeric standards for both protection of human health and aquatic life (i.e., ecological receptors). The ESC are numeric guidance values that may be adopted as remediation standards and/or used to identify contaminants in soil, sediment, surface water and adjacent ground water that require further evaluation.

4.0 ECOLOGICAL EVALUATION

The EE was performed to evaluate 1) the environmentally sensitive natural resources (ESNRs) on and adjacent to the North Brunswick Gulf Service Station facility, 2) site-related chemical constituents detected in soil, groundwater, sediment, and surface water that exceed the applicable ESC (i.e., COPECs); and 3) migration pathways (current and former) connecting COPECs to the ESNRs. The EE was completed to address COPECs in accordance with the TRSR and the NJDEP EETG.

The EE included a Site inspection conducted on February 13, 2019 and a review of available topographic maps, wetlands maps, and NJDEP Geographical Information System (GIS) maps, a NJDEP Natural Heritage Program database report, and review of analytical data from previous investigations.

4.1 Environmentally Sensitive Natural Resources

ESNRs include groundwater and environmentally sensitive areas (ESAs) as defined in NJAC 7:1E-1.8, such as wetlands, surface water bodies, and other areas (Attachment 1). The ESNRs meeting the definition of ESAs evaluated during the EE include Farrington Lake and the adjacent riparian area of Farrington Lake where stormwater outfalls are present at the end of Washington Place (Figure 1). For this EE, groundwater was evaluated as a potential migration pathway only. Attachment 1 is a list of ESAs reviewed for the EE.

In addition to a Site inspection, the following sources of information were used to evaluate the potential presence of ESAs on or immediately adjacent to the Site:

- USGS 1995 7.5-Minute Topographic Quadrangle Map, New Brunswick, NJ (**Figure 1**);
- NRCS Web Soil Survey Map (**Figure 2**);
- NJDEP, 2012 GIS Database Land Use/Land Cover Map (**Figure 3**);
- U.S. Fish & Wildlife/NJDEP, National Wetlands Inventory/Wetlands Map (**Figure 4**)
- NJDEP, GIS Database Landscape Project Map (**Figure 5**); and,
- NJDEP, Natural Heritage Program Database response – NJDEP Office of Natural Lands Management (**Attachment 2**).

The identification of ESAs based on a review of the above-referenced sources is discussed below.

4.1.1 USGS Map

According to the 1995 USGS New Brunswick, New Jersey Topographic Quadrangle (Figure 1), the topographic elevation at the Site is generally flat. The topography between the southeastern boundary of the Site and Farrington Lake begins to slope downward towards the southeast until it reaches Farrington Lake, approximately 1,500 feet downgradient of the Site. The UGSS Map does not depict any distinct Site features and no ESNRs are visible on the Site. Farrington Lake is the only ESNR visible in the vicinity of the Site, although it is relatively remote. Farrington Lake is an impoundment of Lawrence Brook, which is classified by the NDJEP as Freshwater Non-Trout (FW2-NT).

4.1.2 NRCS Web Soil Survey Maps

The Natural Resources Conservation Service (NRCS) Web Soil Survey (Figure 2**)** was accessed on January 24, 2019 and depicts the various soil types and their locations on and in proximity of the Site. The dominant (100% site coverage) soil type on the property is classified as Nixon moderately well drained variant-Urban land complex (NktB) and is present throughout the entire property and extensively throughout the local area. All soils around the Site and between the Site and Farrington Lake are of the Nixon soil type.

4.1.3 Wetlands Maps

Figure 4 depicts wetland and surface water features, land use, and wetlands proximal to the Site. The NJDEP Freshwater Wetlands Map included on Figure 4 lists multiple wetland cover type codes proximal to the Site, however no wetlands are mapped on the Site. Proximal to the Site (approximately 1,000 ft. radius), Deciduous Wooded Wetlands, Deciduous Scrub/Shrub Wetlands, and Agricultural Wetlands (Modified) are mapped. The NJDEP Freshwater Wetlands Map does not identify any vegetation in the riparian area associated with Farrington Lake as wetlands. The National Wetland Inventory (NWI) map on this figure similarly identifies wetlands only offsite and to the west of the Site which are categorized as Freshwater Forested/Shrub Wetland (PFO4D and PFO1D) types. Farrington Lake is mapped as a permanently-flooded diked/impounded Lacustrine Limnetic Lake system with an unconsolidated bottom (L1UBHh).

4.1.4 NJDEP GIS Land Use/Land Cover Map

The NJDEP GIS database (2002; updated 2012) was reviewed to identify ESNRs on and immediately adjacent to the Site. The GIS database includes geo-coded files that represent types of land use and land cover for the entire state. The available GIS Land Use/Land Cover areas and types reviewed for this EE are included on Figure 3. As shown on this figure, the GIS database does not identify any wetland or open water cover types on the Site. Land Use at the Site is

depicted as being mapped entirely as Commercial/Services. Land Use at nearby properties are also categorized as Commercial/Services, as well as Residential and Major Roadway, in addition to the Deciduous Wooded Wetland and Deciduous Brush/Shrubland land cover types described previously on the NJDEP Wetland Map shown on Figure 4.

4.1.5 Threatened and Endangered Species Review

The NJDEP Landscape Project includes geo-coded files that represent ranked habitats for state and/or federally threatened and endangered (T&E) species for the entire state. According to the NJDEP's Landscape Project:

> **Rank 1** is assigned to patches that meet habitat-specific suitability requirements such as minimum size criteria for endangered, threatened or priority wildlife species, but that do not intersect with any confirmed occurrences of such species.
>
> **Rank 2** is assigned to patches containing one or more occurrences of species considered to be species of special concern.
>
> **Rank 3** is assigned to patches containing one or more occurrences of at least one State threatened species.
>
> **Rank 4** is assigned to patches with one or more occurrences of at least one State endangered species.
>
> **Rank 5** is assigned to patches containing one or more occurrences of at least one wildlife species listed as endangered or threatened on the Federal list of endangered and threatened species.

Based on the above rank definitions and the NJDEP's definition of ESAs listed in NJAC 7:1E-1.8, habitat areas given a ranking of 3, 4, or 5 are considered T&E species ESAs for the purpose of the EE.

The available Landscape Project areas and types reviewed for this EE are included on Figure 5. The Landscape Project data indicate that no ranked habitats are located on the Site. Located approximately 1000 ft. southeast of the Site are areas that are mapped as Rank 1 and 4, indicating that there are areas remote from the Site where there are habitats with specific suitability requirements as well as areas that may include possible State endangered species habitats. Note that Farrington Lake is listed as a Rank 4 habitat.

TRC submitted a request to the Office of Natural Lands Management (ONLM) on January 25, 2019, for a Natural Heritage Program database review of threatened or endangered plant and animal species known to exist on-site or in the surrounding area. Based on the ONLM February

22, 2019 response letter (Attachment 2), Threatened or Endangered Species and suitable habitat for these species were not identified on the Site, however there are potential suitable habitats for Threatened and Endangered species within the vicinity of the Site (Farrington Lake). The species identified in the ONLM letter were the Bald Eagle (*Haliaeetus leucocephalus*) and the Great Blue Heron (*Ardea herodias*), both associated with aquatic habitat.

4.1.6 Ecological Evaluation Site Inspection

TRC conducted an EE inspection of the Site on February 13, 2019. The inspection was conducted by William Cordasco of TRC, Senior Scientist, accompanied by Frank Jasiulewicz of OSEI (LSRP). The owner of the Site, Mr. Walter Lapp, was also briefly present at the conclusion of the inspection. The weather at the time of the inspection was clear and breezy, with a temperature range of 35-40 degrees Fahrenheit. The ground was partially obscured by a thin layer of sleet and snow that had fallen the previous day. The inspection focused on the southern portion of the Site where areas of exposed soil/fill and the on-Site drainage ditch are located. The drainage ditch is connected to the municipal stormwater collection system, which appears to discharge to Farrington Lake. The drainage ditch and the municipal stormwater collection system are potential migration pathways to Farrington Lake.

Evidence of discharges were not observed during the visual inspection of the Site. However, as discussed with OSEI and based on a review of the PAR, the areas between the service station building up to and, including the drainage ditch (AOC 8) contain fill material that has been investigated and shown to contain several COPECs, including VOCs, PAHs and lead above the ESC. There were no visible areas of staining on the snow/ice or in areas of exposed soil at the time of inspection. Since the ditch appears to be a potential migration pathway for Site-related contaminants and was historically sampled for analysis of Site-related chemical constituents, it was inspected and photographed during the EE and prior site visits by OSEI (Appendix B). The ditch is lined with rip-rap stone which is overlain by a layer of leaves, twigs, plastic bottles, and other trash. Limited standing water from recent rain and snow melt was observed in the ditch, but did not exhibit sheen or other visible evidence of contamination, and no odors were present. Vegetation in the area adjacent to the ditch had been previously removed by the Owner according to OSEI as part of general maintenance, as evidenced by several tree stumps that appeared to be recently cut. Herbaceous cover (weeds, grass) was either in winter dormancy or covered by ice, so an assessment of its condition could not be completed. The area above the ditch is frequently trafficked by maintenance personnel and is mowed, which may affect the condition of the herbaceous cover.

TRC and OSEI inspected the portion of Farrington Lake nearest the Site and containing the local stormwater outfalls, which is located approximately 1,500 feet south of the Site east of the

intersection where Washington Place meets the Hardenburg Road bridge (Figure 1). Single-family residential properties are located between the Site and Farrington Lake. Two pipe outfalls were observed along Farrington Lake that were actively discharging stormwater at the time of the inspection. The outfalls included a 48-inch diameter concrete pipe discharging to a small embayment of the lake, and an 18-inch diameter concrete pipe discharging to the same area from below Washington Place. The discharging stormwater appeared clear and free of sheen or odor. The lakefront in the area of the outfalls consists of a narrow band of deciduous woodland with numerous saplings in the understory, all in winter dormancy. There was no visible evidence of contamination observed on the ground surface, or on the lake bottom visible from shore. Evidence of wildlife including mammals or birds, was not noted during the inspection, though what appeared to be the tracks of a Raccoon were visible in the snow in the wooded area.

4.2 Contaminants of Potential Ecological Concern

The COPECs were identified by evaluating existing analytical results from the previous environmental investigations conducted over the course of nearly two decades of environmental investigation at the Site, which included sampling of soil and groundwater, and limited surface water in the on-Site ditch. Depending upon the associated chemicals used/stored in specific AOCs, environmental media were sampled and analyzed at laboratories certified by the NJDEP for volatile organic compounds (VOC), semi- volatile organic compounds (SVOC), pesticides, polychlorinated biphenyls (PCBs), metals, and other physico-chemical parameters. Data for on-site soil, groundwater, and surface water samples with constituents detected above the ESCs (*e.g.*, COPECs) is presented on Tables 1, 2, and3. A site-wide soil and groundwater sample location map identifying all soil samples and monitoring wells sampled for use in COPEC evaluation is provided as Figure 6. A survey of the Site prepared by Dennis Sklar, Inc. dated October 26, 2018 is included as Appendix A and identifies all soil, groundwater, and surface water sample locations on the Site and adjacent properties.

The existing analytical results for soil, surface water samples previously collected during the investigatory and monitoring activities completed by OSEI were compared to the NJDEP's ESCs to identify COPECs, as further discussed below. Groundwater data obtained from monitoring wells were compared to the surface water ESCs for the most recent sampling events (October and November 2018; January 2019 [downgradient well MW-20, only]). COPECs identified for the EE include those chemical constituents detected in more than 10% of any environmental media samples (*i.e.*, for soil or surface water: the percent frequency or [total number of detections/total number of samples analyzed]*100). Constituents that are not identified as hazardous substances per NJAC 7:1E, such as the major elements (e.g., Al, Ca, Fe, K, Mg, Mn, Na), were not considered COPECs.

According to the TRSR and NJDEP's EETG, COPECs include substances that exhibit the ability to biomagnify or bioaccumulate, or that are present at concentrations that exceed NJDEP's ESC or aquatic life protection-based Surface Water Quality Standards (SWQS). The soil and sediment ESCs are benchmark guidance values for ecological evaluation that were derived from numerous scientific studies and, with the exception of some ESCs that are based on the NJDEP SWQS, are not remediation standards. ESCs are generally applied to samples obtained from within ESNR areas, but may also be used to screen data from non-ESNR locations. The SWQS are Remedial Standards that are applicable to the surface water portions of ESNRs.

The COPECs identified for the Site are listed below based on the screening process (*i.e.*, > 10% detection frequency):

Contaminants of Potential Ecological Concern			
Metals	Arsenic	Barium	Cadmium
	Chromium	Cobalt	Copper
	Lead	Mercury	Nickel
	Vanadium	Zinc	
Volatile Organic Compounds	Benzene	Ethylbenzene	Xylenes (total)
	Toluene		
Semi-Volatile Organic Compounds	Acenapthene	Anthracene	Benzo(a)pyrene
	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(ghi)perylene
	Bis(2-Ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene
	Fluoranthene	HMW PAHs	Indeno(1,2,3-cd)pyrene
	LMW PAHs	Napthalene	Phenanthrene
	Pyrene		

As noted in Section 3, the applicable ESCs for COPECs identified within the areas of the Site in undeveloped vegetated areas are listed below:

- Soil Screening Levels (Upper and Lower Ecological Soil Screening Levels [USSL, LSSL]) (NJDEP-SRP Webpage; 2009); the USSL is the highest ESC. Similarly, the LSSL represents the lowest ESC.).
- Surface water quality SWQS and surrogate ESCs for Freshwater Aquatic Life Protection (acute and chronic) and Freshwater Aquatic Life Protection (SWQS; NJAC7:9B; NJDEP-SRP Webpage; 2009).

The surface water SWQS and ESCs were used for comparison to groundwater analytical results and to the limited analytical results for incidental water samples in the drainage ditch.

Summary statistics tables provided in the following sections were prepared for all constituents detected above the ESCs regardless of their detection frequencies. Tables 1-3 summarize all data for the areas of the Site that are undeveloped compared to the soil, groundwater, or surface water ESCs. Figure 6 includes a map of all soil (upper 1 foot), surface water, and groundwater analytical sampling locations used in the COPEC evaluation.

4.2.1 Soil

Soil data was evaluated across the entire Site with respect to ESC comparison (Table 1). However, while many soil samples were collected in both developed (paved or built over) and undeveloped areas, only samples located in undeveloped areas and in the active biological interval (0-1 foot below ground surface) were considered in developing the list of COPECs as they represent potential ecological exposures. Soil samples for the Site were compared to the ESCs, and as shown below, were separated into two data sets, one of the majority of the Site, the other for the on-site drainage ditch.

Summary statistics for soil COPECs are provided below for all soil samples excluding those collected in the on-site drainage ditch:

Parameter (mg/kg)	Standards/Criteria		Site Data Summary					Frequency			
	LSSL	USSL	n (site)	Min. Conc.	Max. Conc.	Mean Conc.	SD	# Detected	% Detected	# > LSSL	# > USSL
Acenaphthene	20	--	17	0	27.9	2.021	6.735	10	59%	1	NA
Barium	283	2000	17	0	401	68.906	87.84	16	94%	1	0
Benzo(a)pyrene	1.52	--	17	0	236	19.347	57.79	16	94%	8	NA
Benzo(a)anthracene	5.21	--	17	0.023	233	18.305	56.65	17	100%	4	NA
Benzo(b)fluoranthene	59.8	--	17	0.035	281	23.27	68.86	17	100%	2	NA
Benzo(ghi)perylene	119	--	17	0	167	14.42	41.26	16	94%	1	NA
bis(2-Ethylhexyl)phthalate	0.925	--	3	0	1.1	0.473	0.566	2	67%	1	NA
Cadmium	0.36	140	18	0	1.3	0.312	0.432	7	39%	7	0
Chromium	0.4	1	17	12.7	68.5	35.2	18.03	17	100%	17	17
Chrysene	4.73	--	17	0.024	249	19.456	60.5	17	100%	4	NA
Cobalt	0.14	230	17	0	18.3	8.082	7.471	10	59%	10	0
Copper	5.4	100	17	11.9	273	67.941	66.91	17	100%	17	4
Dibenz(a,h)anthracene	18.4	--	17	0	48.1	3.852	11.72	13	76%	1	NA
EPH, TOTAL NON-FRACTIONATED (C09-C40)	1700	4000	22	65.8	6790	1095.818	1937	22	100%	2	1
Fluoranthene	122	--	17	0.033	643	48.399	156.2	17	100%	2	NA
High Molecular Weight PAHs	1.1	18	17	0.206	1990.4	160.155	485.3	17	100%	14	6
Indeno(1,2,3-cd)pyrene	109	--	17	0	136	11.994	33.52	16	94%	1	NA
Lead	0.0537	1700	31	6.2	343	62.981	71.99	31	100%	31	0
Low Molecular Weight PAHs	29	100	19	0	1204.3	78.859	276.2	17	89%	3	2

Parameter (mg/kg)	Standards/Criteria		Site Data Summary					Frequency			
	LSSL	USSL	n (site)	Min. Conc.	Max. Conc.	Mean Conc.	SD	# Detected	% Detected	# > LSSL	# > USSL
Mercury	0.00051	0.3	22	0	0.093	0.025	0.036	8	36%	8	0
Naphthalene	0.0994	--	19	0	14.8	0.847	3.382	9	47%	5	NA
Nickel	13.6	280	17	7.2	38.3	22.612	11.86	17	100%	11	0
Phenanthrene	45.7	--	17	0	423	29.732	102.1	16	94%	2	NA
Pyrene	78.5	--	17	0.045	575	43.256	139.2	17	100%	2	NA
Vanadium	2	280	17	19.4	80	47.329	20.57	17	100%	17	0
Zinc	6.62	160	18	30.7	572	137.844	132.8	18	100%	18	3

Summary statistics for soil COPECs are provided below for soil samples collected in the on-site drainage ditch:

Parameter (mg/kg)	Standards/Criteria		Site Data Summary					Frequency			
	LSSL	USSL	n (site)	Min. Conc.	Max. Conc.	Mean Conc.	SD	# Detected	% Detected	# > LSSL	# > USSL
Benzene	0.255	--	5	0	6.2	1.24	2.773	1	20%	1	NA
Benzo(a)pyrene	1.52	--	3	0.44	1.7	1.02	0.636	3	100%	1	NA
Cadmium	0.36	140	5	0.79	1.8	1.172	0.404	5	100%	5	0
Chromium	0.4	1	5	16	34.8	24.82	7.326	5	100%	5	5
Cobalt	0.14	230	5	0	10	5.94	3.666	4	80%	4	0
Copper	5.4	100	5	44.4	458	177.54	174.9	5	100%	5	2
EPH, TOTAL NON-FRACTIONATED (C09-C40)	1700	4000	8	374	2730	1090	1019	8	100%	1	0
Ethylbenzene	5.16	--	5	0	285	57	127.5	2	40%	1	NA
High Molecular Weight PAHs	1.1	18	3	3.353	12.2	7.821	4.424	3	100%	3	0
Lead	0.0537	1700	6	37.7	68.6	54.467	11.47	6	100%	6	0
Low Molecular Weight PAHs	29	100	5	0	152	31.444	67.4	4	80%	1	1
Mercury	0.00051	0.3	5	0.091	0.67	0.2262	0.249	5	100%	5	1
Naphthalene	0.0994	--	5	0	152	30.417	67.97	4	80%	1	NA
Nickel	13.6	280	5	15.6	27.9	19.94	5.631	5	100%	5	0
Vanadium	2	280	5	20.8	39.2	28.04	7.088	5	100%	5	0
Zinc	6.62	160	5	184	348	245.8	66.73	5	100%	5	5
Xylenes (total)	10	--	5	0	2786	557.201	1246	2	40%	1	NA

In general, several metals and PAHs were detected above the LSSLs. Of the COPECs detected in individual soil samples above the LSSLs, chromium, copper, total non-fractionated extractable petroleum hydrocarbons (EPH), high molecular weight PAHs (HMW PAHs), low molecular weight PAHs (LMW PAHs), mercury, and zinc, were also detected at concentrations above the USSL. However, the mean concentrations of copper, LMW PAHs, mercury, and zinc were below

their respective USSL. While EPH was detected above the USSL in one sample in the non-ditch samples, its mean concentration (1,095 mg/kg) is below both the USSL and LSSL.

The concentration range for metals in general is similar to, or below, the published concentration ranges in New Jersey's Piedmont Region soils, with the exception of chromium, copper, and zinc where concentrations at the site exceed both the mean and maximum published concentrations.

A summary of mean and maximum literature values for metals in New Jersey Piedmont Region soils is provided below.[1] [2]

Metal	Mean Concentration	Maximum Concentration
Barium	109	618
Cadmium	0.33	2.3
Chromium	20.3	54.4
Cobalt	7.4	26.6
Copper	38.7	139
Lead	138.9	464
Mercury	0.33	3
Nickel	15.5	57.5
Vanadium	32.3	81.1
Zinc	93	354

Source: *Characterization of Ambient Levels of Selected Metals and Other Analytes in New Jersey Soils: Year 1, Urban Piedmont Region* (May 1997)

The differences between the COPECs detected in the drainage ditch and those detected in the upper one foot of soils elsewhere on the Site that suggest they represent anomalies when compared to their presence or absence in non-ditch soils. For example, benzene, ethylbenzene, and xylenes were detected above the ESC in the ditch samples, but were not detected above the ESC in non-ditch samples. Soils within the ditch contain only two of the 11 HMW PAHs detected above the ESC in the non-ditch soil samples, and at lower concentrations (benzo(a)pyrene and naphthalene). Of the metals, only copper was detected above the regional background concentrations, and it was detected at concentrations above those in the non-ditch soil samples. EPH was detected above the LSSL in only 1 of 5 soil samples, and its mean concentration (1,090 mg/kg) is below the LSSL. Overall, there are fewer COPECs detected in the ditch soils compared to number of COPECs detected in non-ditch soils.

[1] BEMS Systems, Inc. *Characterization of Ambient Levels of Selected Metals and Other Analytes in New Jersey Soils: Year 1, Urban Piedmont Region* (May 1997)

[2] NJDEP Research Project Summary *Ambient Levels of Metals in New Jersey Soils* (May 2003) by Paul F. Sanders).

4.2.1.1 Conclusions

The concentrations of several heavy metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) in the undeveloped area soils on the site (both ditch and non-ditch soils) are present above the USSL and/or the LSSL. It is likely that the presence of some of these contaminants are in part related to the historic use of fill at the Site in addition to historic site operations.

While EPH is identified as a COPEC and is present at the Site above the LSSL and the USSL in the upper 1-foot of soil, only 9% of the samples detected (2 total) were above the LSSL and less than 5% were detected (1 total) above the USSL. The two samples detected above the LSSL for EPH were at the P9 and P10 locations located near the above-ground storage tank behind the service station building. EPH was also detected at the P10 location above the USSL, at a concentration of 6,790 mg/kg. Soil samples were collected and analyzed for EPH at the P11, P60, and P100 locations, which are hydrologically downgradient from the P9 and P10 locations, and EPH concentrations were detected below the LSSL and USSL (Figure 6). Since there are sample locations with concentrations below the soil ESCs for EPH located between the P9 and P10 locations and the onsite drainage ditch, a migratory pathway for EPH to reach an ESNR via runoff or soil erosion does not appear to be complete, therefore EPH is not considered to be a concern at the Site.

The notable differences between the type, frequency, and concentration of COPECs detected in the ditch versus the non-ditch samples suggest that migration of Site-related COPECs from surface soils (0-1 feet) to the ditch is minimal.

4.2.2 Groundwater Migration Pathways

As noted in the groundwater monitoring data submitted to the NJDEP, groundwater monitoring well installations began at the Site in the early 2000s. As noted in Section 1, EDDs for all groundwater data have been previously provided to the NJDEP by OSEI. Groundwater was evaluated for the EE as a migration pathway only, as it is a potential means for COPECs to reach ESNRs, i.e., Farrington Lake.

4.2.2.1 Groundwater Quality Data

Groundwater quality data evaluated as part of the EE was obtained from the most recent site-wide groundwater monitoring events (2018 and 2019), from the following monitoring wells:

Date of Sampling	Monitoring Well
10/3/2018	MW17
10/3/2018	MW18
10/4/2018	MW19
11/15/2018	MW18
1/18/2019	MW20

The groundwater analytical results data was compared to the freshwater ESC and related SWQS (Table 2). Groundwater samples analyzed for metals were not filtered. Thus, groundwater data represent total recoverable analyte concentrations.

Summary statistics for COPECs detected in groundwater above the freshwater ESCs are provided below:

COPEC (ug/l)	Standards/Criteria		Site Data Summary				Frequency			
	ESC Acute	ESC Chronic	n (site)	Min. Conc.	Max. Conc.	Mean Conc.	# Detected	% Detected	# > ESC Acute	# > ESC Chronic
Anthracene	--	0.04	9	0	1.7	0.49	3	33%	NA	3
Barium	--	220	7	0	223	61.9	2	29%	NA	1
Benzene	--	114	6	0	868	145	1	17%	NA	1
Benzo(a)anthracene	--	0.03	9	0	0.21	0.05	3	33%	NA	3
Chromium	--	42	7	0	171	24.4	1	14%	NA	1
Cobalt	--	24	7	0	83.3	33.7	3	43%	NA	3
Copper	3.44	2.6	7	0	245	65.1	6	86%	6	6
Ethylbenzene	--	14	6	0	1790	298	1	17%	NA	1
Lead	38	5.4	7	0	67	12.6	4	57%	1	3
Naphthalene	--	13	9	0	448	63.1	6	67%	NA	5
Nickel	122	13.7	7	0	132	59.2	6	86%	2	5
Phenanthrene	--	3.6	9	0	8.9	2.68	5	56%	NA	3
Pyrene	--	0.3	9	0	1.2	0.32	3	33%	NA	3
Toluene	--	253	6	0	1960	327	1	17%	NA	1
Vanadium	--	12	7	0	589	84.1	1	14%	NA	1
Zinc	35	35.2	7	0	701	208	6	86%	6	6
Xylenes (total)	--	27	6	0	8790	1465	1	17%	NA	1

The organic constituents including several of the PAHs (LMW and HMW) and metals were detected with mean concentrations exceeding the chronic surface water ESCs. Note that only certain of the metals have an Acute Chronic Life ESC. PAHs, benzene, ethylbenzene, toluene,

xylenes (BTEX), and lead are among the COPECs detected in groundwater above the surface water ESCs that would be expected to be related to the Site operations.

4.2.2.2 Conclusions

Groundwater flow that could potentially serve as a migration pathway for COPECs detected in soils at the Site has been evaluated for nearly two decades. Groundwater flow at the Site is toward the south and Farrington Lake, and groundwater COPECs (VOCs [BTEX], SVOCs [PAHs], and metals) have been delineated as shown on the contaminant iso-concentration maps included in Appendix C. Appendix C also includes a groundwater flow contour map. Note that only metals and less mobile organic constituents were detected in off-Site groundwater. The less mobile organics (i.e., PAHs) were not detected above the ESC in the most downgradient off-site well (MW-20) in the most recent samples. Metals are higher in MW-20 than in the well upgradient of MW-20 (MW-18) where they are largely absent, which suggests that these constituents are not Site-related. The maps indicate that Site-related groundwater contamination does not extend more than approximately 50 feet from the Site (Appendix C; Figure 6), and groundwater is not a pathway for COPEC migration to surface water. Therefore, based on the limited extent of the COPECs detected in groundwater, the previously completed remediation efforts (UST removals), and the remote location of Farrington Lake (1,500 feet to the south), the nearest ESNR, further ecological investigation involving groundwater is not warranted.

4.2.3 Surface Water

Two surface water samples were collected when water was present in the onsite drainage ditch (AOC 8). These samples were analyzed for VOCs, SVOCs, and lead (Table 3). Surface water from the drainage ditch is only present during periods of significant precipitation and the ditch is generally dry throughout the year.

Analytical Results

Summary statistics for COPECs detected in surface water above the SWQS are provided below:

COPEC (ug/l)	Standards/Criteria		Site Data Summary				Frequency			
	ESC Acute	ESC Chronic	n (site)	Min. Conc.	Max. Conc.	Mean Conc.	# Detected	% Detected	# > ESC Acute	# > ESC Chronic
Benzo(a)anthracene	--	0.025	2	0	0.19	0.09	1	50%	NA	1
bis(2-Ethylhexyl)phthalate	--	0.3	2	0	1.1	0.55	1	50%	NA	1

The only COPECs detected in episodically present surface water were benzo(a)anthracene and bis(2-ethylhexyl)phthalate; both compounds were detected above the surface water ESC for chronic aquatic life exposure. Note that of the two surface water samples collected and analyzed for SVOCs, only one sample resulted in a detection above the chronic aquatic life ESCs at 0.19 µg/L, while benzo(a)anthracene was not detected in the other sample above the MDL. It should be noted that these surface water samples were collected during periods of stormwater flow to this otherwise dry ditch.

4.2.3.1 Conclusions

The COPECs detected in the surface (storm) water samples are likely associated with urban runoff, and are present at relatively low concentrations. When present, the stormwater in the ditch that flows off-Site is minimal with respect to what is collected by the municipal storm sewers serving the surrounding region that discharge to Farrington Lake, and the ditch is lined with rip rap. The analytical results show that the only COPECs detected in surface waters above ESCs for chronic exposure are benzo(a)anthracene and bis(2-ethylhexyl)phthalate, which readily bind to organic matter, and are at concentrations that would not pose an issue to the remote surface water ESNR (Farrington Lake). Therefore, the potential for migration of soils from the ditch is considered to be minimal.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are made based upon the EE conducted for the Site:

- There are no ESNRs on, adjacent to, or in the immediate vicinity of the Site. The nearest ESNR is Farrington Lake, located approximately 1,500 feet down-gradient. Indicators of discharges to the ESNR such as seeps, discolored sediment, sheen, stained or stressed lakefront vegetation, or wildlife were not observed during the EE site inspection.
- Soil and ground water analytical data from samples obtained on and near the Site contain COPECs including VOCs, SVOCs, and metals at concentrations above their respective ESCs, and may be associated with the Site operations and/or historic fill.
- Potential COPEC migration pathways include groundwater flow and the municipal storm sewers. However, COPECs in groundwater extend only a short distance (approx. 50 feet) off-Site. Also, there is no evidence of erosion of Site soils from the on-Site drainage ditch, which is typically dry and lined with rip-rap. Therefore, there is no complete migration pathway from the Site to the nearest ESNR (i.e., Farrington Lake, 1,500-feet to the south of the Site).

Based on the results of the EE, further ecological evaluation is not warranted.

The condition of the drainage ditch should be maintained (e.g., adding/replacing rip-rap as needed, etc. to limit potential for erosion).

It is our understanding that the LSRP for the Site may propose remediation of soils in AOCs 3, 6, and 8 to address other provisions of the Site Remediation Program not related to ecological concerns, which would be expected to mitigate potential COPEC migration to the ditch.

6.0 REFERENCES

NJDEP 1997 *Characterization of Ambient Levels of Selected Metals and Other Analytes in New Jersey Soils: Year 1, Urban Piedmont Region* October 1998

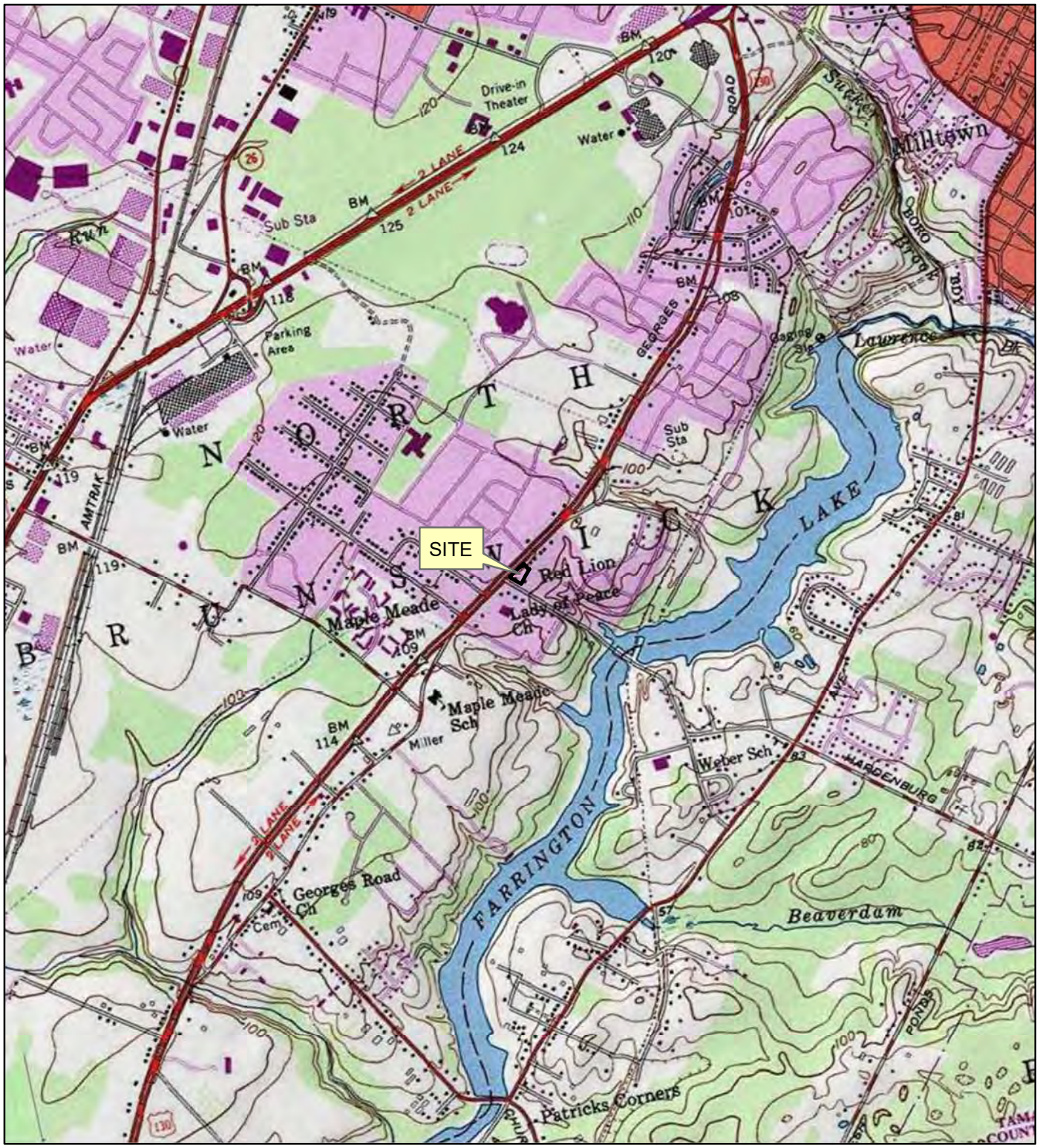
NJDEP 2003 *Research Project Summary - Ambient Levels of Metals in New Jersey Soils* (May 2003) by Paul F. Sanders (Sanders 2003).

NJDEP 2012 N.J.A.C. 7:26E *Technical Requirements for Site Remediation*, date last amended May 7, 2012.

NJDEP 2018 NJDEP's *Ecological Evaluation Technical Guidance Ver. 1.4 January 2018*

On-Site Environmental, Inc. *Preliminary Assessment Report, North Brunswick Gulf 1696 Georges Road, North Brunswick, New Jersey* August 2016

FIGURES



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

2,000 1,000 0 2,000 Feet

TRC

41 Spring Street
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Phone: 908.988.1700

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PROJECT:

NORTH BRUNSWICK GULF STATION
1696 GEORGES ROAD
NORTH BRUNSWICK, MIDDLESEX COUNTY, NEW JERSEY

TITLE:

SITE LOCATION MAP

DRAWN BY:	M. GIAMBATTISTA
CHECKED BY:	E. O'CONNOR
APPROVED BY:	B. CORDASCO
DATE:	FEBRUARY 2019
PROJ. NO.:	325435
FILE:	SLM

FIGURE 1

M:\ArcGIS Files\325435\SLM.mxd -- Saved By: MGIAMBATTISTA on 2/1/2019, 14:01:23 PM



Legend

- SITE BOUNDARY
- EkaAr - Elkton loam
- FavAr - Fallsington bedrock substratum variant loam
- FodB - Fort Mott loamy sand
- NktB - Nixon moderately well drained variant - Urban land complex
- NkrA - Nixon moderately well drained variant loam
- NkrB - Nixon moderately well drained variant loam
- NknA - Nixon loam
- NknB - Nixon loam
- SacC - Sassafras sandy loam
- SadD - Sassafras gravelly sandy loam
- WATER

0 500 1,000 Feet

PROJECT:
NORTH BRUNSWICK GULF STATION
1696 GEORGES ROAD
NORTH BRUNSWICK, MIDDLESEX COUNTY, NJ

TITLE:
USDA NRCS WEB SOIL SURVEY MAP

DRAWN BY:	M. GIAMBATTISTA	PROJ. NO.:	325435
CHECKED BY:	E. O'CONNOR		
APPROVED BY:	W. CORDASCO		**FIGURE 2**
DATE:	MARCH 2019		

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FILE NO.: Soils.mxd

Plot Date: 3/20/2019, 11:51:04 AM by ODELEON – LAYOUT: ANSI B (11"x17")
Path: M:\ArcGIS Files\325435\Soils.mxd
Coordinate System: NAD 1983 StatePlane New Jersey FIPS 2900 Feet (Foot US)
Map Rotation: 0

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Coordinate System: NAD 1983 StatePlane New Jersey FIPS 2900 Feet (Foot US)
Map Rotation: 0

Plot Date: 3/20/2019 - 11:57:15 AM by ODELEON – LAYOUT: ANSI B (11"x17")
Path: M:\ArcGIS Files\325435\LandUse.mxd

PROJECT:
NORTH BRUNSWICK GULF STATION
1696 GEORGES ROAD
NORTH BRUNSWICK, MIDDLESEX COUNTY, NJ

TITLE:
GIS DATABASE LAND USE/LAND COVER MAP

DRAWN BY:	M. GIAMBATTISTA	PROJ. NO.:	325435
CHECKED BY:	E.O'CONNOR		
APPROVED BY:	W. CORDASCO		**FIGURE 3**
DATE:	MARCH 2019		

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

FILE NO.: LandUse.mxd



NJDEP FRESH WATER WETLANDS MAP

Legend

- SITE BOUNDARY
- 2140 - AGRICULTURAL WETLANDS (MODIFIED)
- 6231 - DECIDUOUS SCRUB/SHRUB WETLANDS
- 6210 - DECIDUOUS WOODED WETLANDS
- 1461 - WETLAND RIGHTS-OF-WAY



NATIONAL WETLANDS MAP

Legend

- SITE BOUNDARY
- L1UBHh - Lake
- PEM1C - Freshwater Emergent Wetland
- PEM1E - Freshwater Emergent Wetland
- PFO1C - Freshwater Forested/Shrub Wetland
- PFO1Ch - Freshwater Forested/Shrub Wetland
- PFO1D - Freshwater Forested/Shrub Wetland
- PFO1E - Freshwater Forested/Shrub Wetland
- PFO4D - Freshwater Forested/Shrub Wetland
- PSS1D - Freshwater Forested/Shrub Wetland
- R2UBH - Riverine
- R2UBHx -Riverine
- R4SBC - Riverine
- R5UBH - Riverine

0 800 1,600 Feet

PROJECT:
NORTH BRUNSWICK GULF STATION
1696 GEORGES ROAD
NORTH BRUNSWICK, MIDDLESEX COUNTY, NJ

TITLE:
NJDEP & NATIONAL WETLANDS INVENTORY MAP

DRAWN BY:	M. GIAMBATTISTA	PROJ. NO.:	325435
CHECKED BY:	E. O'CONNOR		
APPROVED BY:	W. CORDASCO		**FIGURE 4**
DATE:	MARCH 2019		

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FILE NO.: Wetlands.mxd

Plot Date: 3/20/2019, 11:59:47 AM by ODELEON – LAYOUT: ANSI B (11"x17")
Path: M:\ArcGIS Files\325435\WetlandsLmxd
Coordinate System: NAD 1983 StatePlane New Jersey FIPS 2900 Feet (Foot US)
Map Rotation: 0
TRC - GIS



Legend

- SITE BOUNDARY
- Rank 1 - Habitat Specific Requirements
- Rank 2 - Special Concern
- Rank 3 - State Threatened
- Rank 4 - State Endangered

0 500 1,000 Feet

PROJECT:	NORTH BRUNSWICK GULF STATION 1696 GEORGES ROAD NORTH BRUNSWICK, MIDDLESEX COUNTY, NJ
TITLE:	NJDEP GIS LANDSCAPE PROJECT MAP
DRAWN BY: M. GIAMBATTISTA	PROJ. NO.: 325435
CHECKED BY: E. O'CONNOR	FIGURE 5
APPROVED BY: W. CORDASCO	
DATE: MARCH 2019	

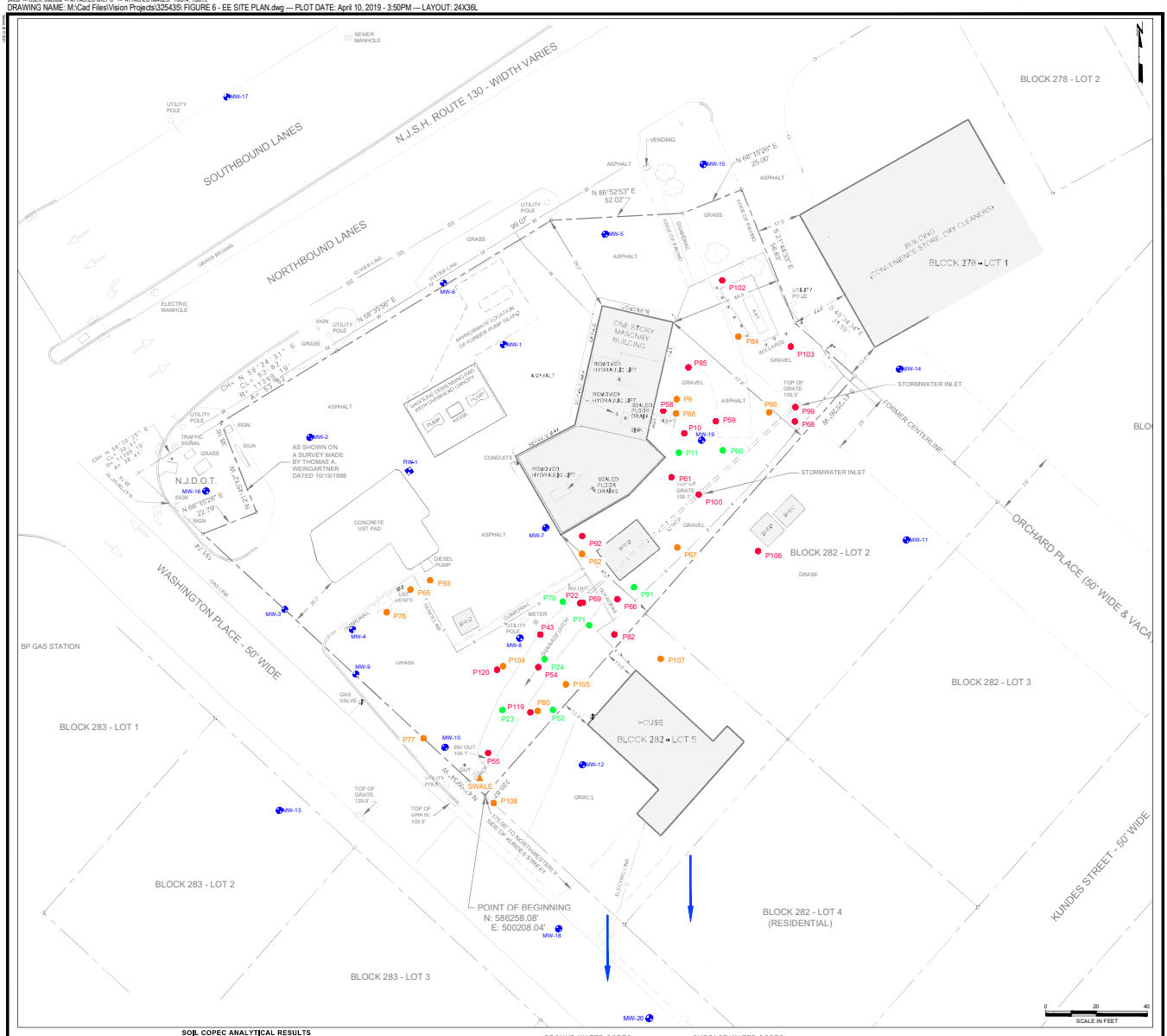
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FILE NO.: Landscape.mxd

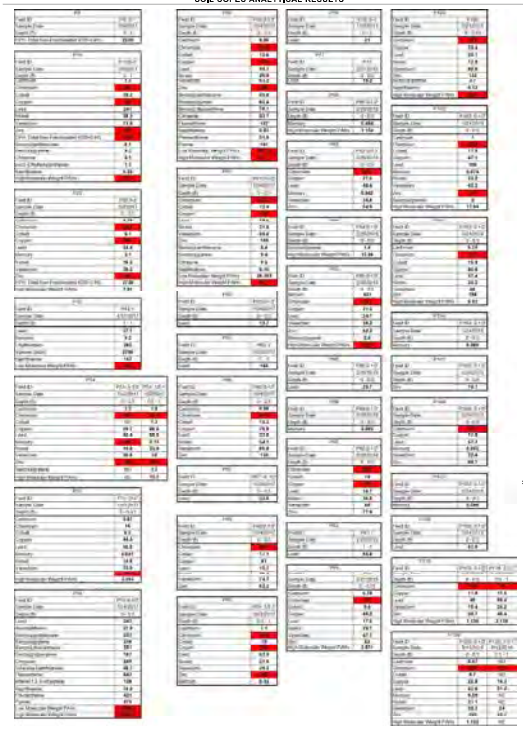
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Coordinate System: NAD 1983 StatePlane New Jersey FIPS 2900 Feet (Foot US)
Map Rotation: 0

TRC - GIS

24x36 -- USER: JNichols -- ATTACHED XREF'S: -- ATTACHED IMAGES: H6814; H6815;
DRAWING NAME: M:\Cad Files\Vision Projects\325435\ FIGURE 6 - EE SITE PLAN.dwg --- PLOT DATE: April 10, 2019 - 3:50PM --- LAYOUT: 24X36L



SOIL COPEC ANALYTICAL RESULTS



GROUND WATER COPEC ANALYTICAL RESULTS



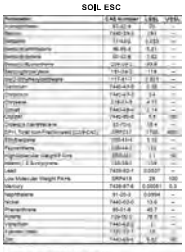
SURFACE WATER COPEC ANALYTICAL RESULTS



LEGEND

- MONITORING WELL LOCATION
- SOIL SAMPLE: < LSSL AND <USSL (ESC)
- SOIL SAMPLE: > LSSL AND WHERE APPROPRIATE <USSL (ESC)
- SOIL SAMPLE: > LSSL AND >USSL (ESC)
- SURFACE WATER SAMPLE: > CHRONIC AND WHERE APPROPRIATE < ACUTE (ESC)
- GROUND WATER FLOW DIRECTION

SOIL ESC



SURFACE WATER ESC



NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NJDEP) ECO CRITERIA/STANDARD NOTES:

1. ESC = NJDEP'S ECOLOGICAL SCREENING CRITERIA (ESC TABLE - MARCH 2009)
2. LSSL = LOWER SOIL SCREENING LEVEL, OBTAINED FROM ESC TABLE
3. USSL = UPPER SOIL SCREENING LEVEL, OBTAINED FROM ESC TABLE
4. SWQS = SURFACE WATER QUALITY STANDARDS, OBTAINED FROM ESC TABLE (SWQS ARE ACTUAL STANDARDS)
5. ACUTE AND CHRONIC ESC - FRESH SURFACE WATER AQUATIC LIFE CRITERIA; OBTAINED FROM ESC TABLE
6. COPEC = CONTAMINANTS OF POTENTIAL ECOLOGICAL CONCERN

SOIL AND GROUNDWATER SAMPLE DATA

1. SOIL SAMPLE LOCATIONS AND ANALYTICAL RESULTS SHOWN HEREON ARE ONLY FOR UNPAVED/UNBUILT AREAS UP TO 1-FOOT BELOW GROUND SURFACE.
2. GROUNDWATER ANALYTICAL RESULTS ARE INCLUDED ON MAPPING PROVIDED BY ON-SITE, INC. (APPENDIX A OF ECOLOGICAL EVALUATION REPORT).
3. GROUND WATER ANALYTICAL RESULTS WERE COMPARED TO SWQS.
4. ANALYTICAL RESULTS ARE ONLY SHOWN FOR CONCENTRATIONS ABOVE THE ESC.
5. WITH THE EXCEPTION OF CHROMIUM, COPPER, AND ZINC, METALS CONCENTRATIONS ARE WITHIN PUBLISHED CONCENTRATION RANGES OF METALS IN NEW JERSEY PIEDMONT SOILS.

SURVEY SOURCE:

1. SITE SURVEY OBTAINED FROM "BOUNDARY SURVEY - 0.736373 ACRES, 1696 ROUTE 130, LLC, DEED BOOK 09864 - PAGE 0782, TAX BLOCK 282 - LOT 1, NORTH BRUNSWICK TOWNSHIP - MIDDLESEX COUNTY - NEW JERSEY", PREPARED BY JAMES M. STEWART, PLS (NJ PROFESSIONAL LICENSED SURVEYOR NO. 24GS03870900) OF ONSITE SOLAR, INC., DATED OCTOBER 24, 2018.
2. SITE SURVEY WAS PROVIDED TO TRC BY FRANK JASULEWICZ, PG, LSRP OF ON-SITE ENVIRONMENTAL, INC.



PROJECT: NORTH BRUNSWICK GULF STATION
1696 GEORGES ROAD
NORTH BRUNSWICK, MIDDLESEX COUNTY, NJ

TITLE: ECOLOGICAL EVALUATION
SITE PLAN SHOWING SAMPLE LOCATIONS
AND ANALYTICAL RESULTS

DRAWN BY:	M. GIAMBATTISTA	PROJ. NO.:	325435
CHECKED BY:	W. CORDASCO		
APPROVED BY:	W. CORDASCO		FIGURE 6
DATE:	FEBRUARY 2019		

TRC
41 Spring Street
Suite 102
New Providence, NJ 07974
Phone: 908.988.1700

FILE NO: FIGURE 6 - EE SITE PLAN.dwg

TABLES

TABLE 1

Summary of Soil Analytical Results

TABLE 1-1

Summary of Volatile Organic Compounds (VOCs) in Soil

Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P8:6'		P8:12'		P10:0-1'		P10:3'		P17:4'		P17:9'	
				Date Sampled:	5/8/2017		5/8/2017		5/9/2017		5/9/2017		4/28/2017		4/28/2017	
				Depth (ft):	6-6		12-12		0-1		3-3		4-4		9-9	
				LAB Sample ID:	JC42929-24		JC42929-25		JC42929-30R		JC42929-31R		JC42231-19		JC42231-20	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***													
Acetone	*67-64-1*	--	--		0.045		0.51	U	0.066		0.0047	U	0.53	U	0.55	U
Benzene	*71-43-2*	*0.255*	--		0.00045		0.25		0.00023	J	0.043		**2.7**		**1.8**	
Bromochloromethane	*74-97-5*	--	--		0.00029	U	0.032	U	0.00036	U	0.0003	U	0.034	U	0.035	U
Bromodichloromethane	*75-27-4*	*0.54*	--		0.00014	U	0.015	U	0.00017	U	0.00014	U	0.016	U	0.017	U
Bromoform	*75-25-2*	*15.9*	--		0.00024	U	0.027	U	0.0003	U	0.00025	U	0.028	U	0.029	U
Bromomethane	*74-83-9*	*0.235*	--		0.00044	U	0.049	U	0.00054	U	0.00046	U	0.051	U	0.053	U
2-Butanone (MEK)	*78-93-3*	--	--		0.0039	J	0.18	U	0.0075	J	0.03		0.19	U	0.19	U
Carbon Disulfide	*75-15-0*	--	--		0.00021	J	0.017	U	0.00019	U	0.00029	J	0.018	U	0.019	U
Carbon tetrachloride	*56-23-5*	*2.98*	--		0.00015	U	0.017	U	0.00019	U	0.00016	U	0.018	U	0.018	U
Chlorobenzene	*108-90-7*	*13.1*	*40*		0.00015	U	0.016	U	0.00018	U	0.00015	U	0.017	U	0.018	U
Chloroethane	*75-00-3*	--	--		0.00039	U	0.044	U	0.00048	U	0.0004	U	0.045	U	0.047	U
Chloroform	*67-66-3*	*1.19*	--		0.00021	U	0.024	U	0.00027	U	0.00022	U	0.025	U	0.026	U
Chloromethane	*74-87-3*	--	--		0.00019	U	0.021	U	0.00024	U	0.0002	U	0.022	U	0.023	U
cis-1,2-Dichloroethene	*156-59-2*	--	--		0.00039	U	0.045	U	0.00049	U	0.039		0.046	U	0.048	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--		0.00018	U	0.020	U	0.00022	U	0.00018	U	0.021	U	0.021	U
Cyclohexane	*110-82-7*	--	--		0.003		0.056	U	0.00061	U	0.018		2.8		0.97	
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--		0.00044	U	0.049	U	0.00054	U	0.00045	U	0.051	U	0.053	U
Dibromochloromethane	*124-48-1*	*2.05*	--		0.00014	U	0.015	U	0.00017	U	0.00014	U	0.016	U	0.016	U
1,2-Dibromoethane	*106-93-4*	--	--		0.00022	U	0.025	U	0.00027	U	0.00023	U	0.026	U	0.026	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--		0.00015	U	0.017	U	0.00019	U	0.0014		0.018	U	0.019	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--		0.00012	U	0.014	U	0.00015	U	0.00022	J	0.014	U	0.015	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*		0.00014	U	0.016	U	0.00017	U	0.00079	J	0.016	U	0.017	U
Dichlorodifluoromethane	*75-71-8*	--	--		0.00049	U	0.055	U	0.00061	U	0.00051	U	0.058	U	0.060	U
1,1-Dichloroethane	*75-34-3*	--	--		0.00017	U	0.019	U	0.00021	U	0.0014		0.020	U	0.020	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--		0.00015	U	0.017	U	0.00019	U	0.00016	U	0.018	U	0.019	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--		0.00014	U	0.016	U	0.00017	U	0.00014	U	0.016	U	0.017	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--		0.00028	U	0.031	U	0.00035	U	0.00029	U	0.033	U	0.034	U
1,3-Dichloropropene (total)	*542-75-6*	--	--		ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--		0.00013	U	2.4		0.00017	U	0.11		**55.3**		**10.8**	
2-Hexanone	*591-78-6*	--	--		0.003	J	0.14	U	0.0016	U	0.0013	U	0.15	U	0.15	U
Isopropylbenzene	*98-82-8*	--	--		0.00024	J	1.9		0.00017	U	0.016		9.1		1.7	
Methyl Acetate	*79-20-9*	--	--		0.0018	U	0.21	U	0.0023	U	0.0019	U	0.21	U	0.22	U

ESC = NJDEP Ecological Screening Criteria, March 2009
LSSL = Lowest Soil Sceening Level (per NJDEP ESC)
USSL = Upper Soil Sceening Level (per NJDEP ESC)
Bold indicates concentrations above the LSSL
Bold and underline indicates concentrations above the USSL
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P8:6'		P8:12'		P10:0-1'		P10:3'		P17:4'		P17:9'	
			Date Sampled:	5/8/2017		5/8/2017		5/9/2017		5/9/2017		4/28/2017		4/28/2017	
			Depth (ft):	6-6		12-12		0-1		3-3		4-4		9-9	
			LAB Sample ID:	JC42929-24		JC42929-25		JC42929-30R		JC42929-31R		JC42231-19		JC42231-20	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.00024	U	0.027	U	0.0003	U	0.0025		0.028	U	0.029	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.00077	U	0.086	U	0.0017	J	0.0008	U	0.090	U	0.093	U
Methylcyclohexane	*108-87-2*	--	--	0.0096		6.1		0.00057	U	0.06		14.4		3.5	
Methylene chloride	*75-09-2*	*4.05*	--	0.0012	J	0.10	U	0.0011	U	0.00094	U	0.11	U	0.11	U
Styrene	*100-42-5*	*4.69*	*300*	0.00013	U	0.015	U	0.00016	U	0.00014	U	0.015	U	0.016	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.00022	U	0.024	U	0.00027	U	0.00022	U	0.025	U	0.026	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.00025	U	0.029	U	0.00045	J	0.00029	J	0.030	U	0.031	U
Toluene	*108-88-3*	*200*	--	0.00021	J	0.39		0.00023	J	0.025		1.4		9.1	
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.00014	U	0.016	U	0.00018	U	0.00044	J	0.017	U	0.017	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.00020	U	0.022	U	0.00025	U	0.00021	U	0.023	U	0.024	U
Freon 113	*76-13-1*	--	--	0.00044	U	0.049	U	0.00054	U	0.00045	U	0.051	U	0.053	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.00045	U	0.051	U	0.00056	U	0.00047	U	0.053	U	0.055	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.00015	U	0.017	U	0.00019	U	0.00016	U	0.018	U	0.018	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.00029	U	0.033	U	0.00036	U	0.0003	U	0.034	U	0.035	U
Trichloroethene	*79-01-6*	*12.4*	--	0.00017	U	0.019	U	0.00021	U	0.00018	U	0.020	U	0.021	U
Trichlorofluoromethane	*75-69-4*	--	--	0.00057	U	0.064	U	0.00071	U	0.00059	U	0.066	U	0.069	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.00045	U	0.051	U	0.00056	U	0.00047	U	0.053	U	0.055	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.00018	U	0.021	U	0.00023	U	0.00019	U	0.021	U	0.022	U
m,p-Xylene	*179601-23-1*	--	--	0.0029		4.9		0.00065	J	0.37		310		48.1	
o-Xylene	*95-47-6*	--	--	0.00032	J	1.2		0.00084	J	0.043		6.4		20.2	
Xylenes (total)	*1330-20-7*	*10*	--	0.00322		6.1		0.00149		0.413		**316.4**		**68.3**	
Total VOC TIC	*SRP170*	--	--	0.062	J	68.6	J	0.037	J	0.37	J	40.1	J	33.9	J

ESC = NJDEP Ecological Screening Criteria, March 2009
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Values in italics indicate MDL above applicable criterion.

Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P18:4-4 1/2'		P19:5'		P20:5'		P22:0-6		P28:3 1/2'		P30:6 1/2-7'	
			Date Sampled:	5/9/2017		5/8/2017		5/8/2017		5/8/2017		5/9/2017		5/9/2017	
			Depth (ft):	4-4.5		5-5		5-5		0-0.5		3.5-3.5		6.5-7	
			LAB Sample ID:	JC42929-34R		JC42929-13R		JC42929-22R		JC42929-49R		JC42929-47		JC42929-36	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.52	U	0.034		0.007	J	0.054		0.045		0.031	
Benzene	*71-43-2*	*0.255*	--	0.013	U	0.00012	U	0.00012	U	0.00047	U	0.00012	U	0.01	
Bromochloromethane	*74-97-5*	--	--	0.033	U	0.00032	U	0.00032	U	0.0013	U	0.00031	U	0.00029	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.016	U	0.00015	U	0.00015	U	0.0006	U	0.00015	U	0.00014	U
Bromoform	*75-25-2*	*15.9*	--	0.028	U	0.00026	U	0.00027	U	0.001	U	0.00026	U	0.00024	U
Bromomethane	*74-83-9*	*0.235*	--	0.051	U	0.00048	U	0.00049	U	0.0019	U	0.00047	U	0.00044	U
2-Butanone (MEK)	*78-93-3*	--	--	0.18	U	0.0049	J	0.0018	U	0.0069	U	0.0017	U	0.0016	U
Carbon Disulfide	*75-15-0*	--	--	0.018	U	0.00017	U	0.00017	U	0.00067	U	0.00072	J	0.00015	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.017	U	0.00016	U	0.00017	U	0.00065	U	0.00016	U	0.00015	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.017	U	0.00016	U	0.00016	U	0.00064	U	0.00016	U	0.00015	U
Chloroethane	*75-00-3*	--	--	0.045	U	0.00042	U	0.00043	U	0.0017	U	0.00042	U	0.00039	U
Chloroform	*67-66-3*	*1.19*	--	0.025	U	0.00024	U	0.00024	U	0.0055	J	0.00023	U	0.00022	U
Chloromethane	*74-87-3*	--	--	0.022	U	0.00021	U	0.00021	U	0.00083	U	0.00021	U	0.00019	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.046	U	0.00043	U	0.00044	U	0.0017	U	0.00043	U	0.00040	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.021	U	0.00019	U	0.0002	U	0.00077	U	0.00019	U	0.00018	U
Cyclohexane	*110-82-7*	--	--	0.057	U	0.00054	U	0.00055	U	0.0022	U	0.00053	U	0.00049	U
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.051	U	0.00048	U	0.00049	U	0.0019	U	0.00047	U	0.00044	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.016	U	0.00015	U	0.00015	U	0.00059	U	0.00015	U	0.00014	U
1,2-Dibromoethane	*106-93-4*	--	--	0.025	U	0.00024	U	0.00024	U	0.00095	U	0.00024	U	0.00022	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.018	U	0.00017	U	0.00017	U	0.00067	U	0.00017	U	0.00015	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.014	U	0.00014	U	0.00014	U	0.00054	U	0.00013	U	0.00012	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.016	U	0.00015	U	0.00015	U	0.0006	U	0.00015	U	0.00014	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.057	U	0.00054	U	0.00055	U	0.0022	U	0.00053	U	0.00049	U
1,1-Dichloroethane	*75-34-3*	--	--	0.02	U	0.00019	U	0.00019	U	0.00074	U	0.00018	U	0.00017	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.018	U	0.00017	U	0.00017	U	0.00067	U	0.00017	U	0.00015	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.016	U	0.00015	U	0.00015	U	0.0006	U	0.00015	U	0.00014	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.032	U	0.00031	U	0.00031	U	0.0012	U	0.00030	U	0.00028	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	1.1		0.00015	U	0.00015	U	0.00099	J	0.00015	U	0.026	
2-Hexanone	*591-78-6*	--	--	0.15	U	0.0014	U	0.0014	U	0.0055	U	0.0014	U	0.0013	U
Isopropylbenzene	*98-82-8*	--	--	0.38		0.00021	J	0.00025	J	0.00061	U	0.00015	U	0.0038	
Methyl Acetate	*79-20-9*	--	--	0.34	J	0.002	U	0.002	U	0.008	U	0.0020	U	0.0018	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.028	U	0.00026	U	0.00027	U	0.001	U	0.00026	U	0.00087	J

ESC = NJDEP Ecological Screening Criteria, March 2009
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USSL = Upper Soil Sceening Level (per NJDEP ESC)
Bold indicates concentrations above the LSSL
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ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P18:4-4 1/2'		P19:5'		P20:5'		P22:0-6		P28:3 1/2'		P30:6 1/2-7'	
			Date Sampled:	5/9/2017		5/8/2017		5/8/2017		5/8/2017		5/9/2017		5/9/2017	
			Depth (ft):	4-4.5		5-5		5-5		0-0.5		3.5-3.5		6.5-7	
			LAB Sample ID:	JC42929-34R		JC42929-13R		JC42929-22R		JC42929-49R		JC42929-47		JC42929-36	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.089	U	0.00084	U	0.00086	U	0.0033	U	0.00083	U	0.00077	U
Methylcyclohexane	*108-87-2*	--	--	0.053	U	0.0005	U	0.00051	U	0.002	U	0.00049	U	0.0012	J
Methylene chloride	*75-09-2*	*4.05*	--	0.1	U	0.00099	U	0.001	U	0.0039	U	0.00098	U	0.00091	U
Styrene	*100-42-5*	*4.69*	*300*	0.015	U	0.00014	U	0.00015	U	0.00057	U	0.00014	U	0.00013	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.025	U	0.00024	U	0.00024	U	0.00094	U	0.00023	U	0.00022	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.029	U	0.00028	U	0.00028	U	0.0011	U	0.00027	U	0.00025	U
Toluene	*108-88-3*	*200*	--	0.036	J	0.00022	J	0.00013	U	0.00049	U	0.00019	J	0.00019	J
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.017	U	0.00016	U	0.00016	U	0.00062	U	0.00015	U	0.00014	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.023	U	0.00022	U	0.00022	U	0.00087	U	0.00022	U	0.00020	U
Freon 113	*76-13-1*	--	--	0.051	U	0.00048	U	0.00049	U	0.0019	U	0.00047	U	0.00044	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.052	U	0.00049	U	0.0005	U	0.002	U	0.00049	U	0.00045	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.017	U	0.00017	U	0.00017	U	0.00066	U	0.00016	U	0.00015	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.034	U	0.00032	U	0.00033	U	0.0013	U	0.00032	U	0.00029	U
Trichloroethene	*79-01-6*	*12.4*	--	0.02	U	0.00019	U	0.00019	U	0.00075	U	0.00019	U	0.00017	U
Trichlorofluoromethane	*75-69-4*	--	--	0.066	U	0.00062	U	0.00063	U	0.0025	U	0.00061	U	0.00057	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.052	U	0.00049	U	0.0005	U	0.002	U	0.00049	U	0.00045	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.021	U	0.0002	U	0.0002	U	0.0008	U	0.00020	U	0.00018	U
m,p-Xylene	*179601-23-1*	--	--	2.3		0.00049	J	0.00022	U	0.0033	J	0.00021	U	0.0023	
o-Xylene	*95-47-6*	--	--	0.9		0.0002	U	0.0002	U	0.0008	U	0.00020	U	0.00018	U
Xylenes (total)	*1330-20-7*	*10*	--	3.2		0.00049	J	0.0002	U	0.0033	J	0.00020	U	0.0023	
Total VOC TIC	*SRP170*	--	--	52.8	J	ND		ND		ND		ND		0.24	J

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Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P30:8'		P30:17-18'		P30:21'		P31:6 1/2'		P31:9'		P32:4 1/2'	
			Date Sampled:	5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017		4/28/2017	
			Depth (ft):	8-8		17-18		21-21		6.5-6.5		9-9		4.5-4.5	
			LAB Sample ID:	JC42929-37		JC42929-38		JC42929-39		JC42929-41		JC42929-42		JC42231-7	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.56	U	0.061		0.093		0.019		0.71	U	0.0098	
Benzene	*71-43-2*	*0.255*	--	**2.3**		0.16		0.033		0.00011	U	0.017	U	0.000095	U
Bromochloromethane	*74-97-5*	--	--	0.035	U	0.00038	U	0.00036	U	0.00028	U	0.045	U	0.00025	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.017	U	0.00018	U	0.00017	U	0.00013	U	0.022	U	0.00012	U
Bromoform	*75-25-2*	*15.9*	--	0.030	U	0.00032	U	0.00030	U	0.00023	U	0.038	U	0.00021	U
Bromomethane	*74-83-9*	*0.235*	--	0.054	U	0.00058	U	0.00055	U	0.00043	U	0.069	U	0.00038	U
2-Butanone (MEK)	*78-93-3*	--	--	0.20	U	0.026		0.044		0.0015	U	0.25	U	0.0014	U
Carbon Disulfide	*75-15-0*	--	--	0.019	U	0.00020	U	0.00019	U	0.00015	U	0.024	U	0.00013	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.018	U	0.00020	U	0.00019	U	0.00015	U	0.024	U	0.00013	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.018	U	0.00019	U	0.00018	U	0.00014	U	0.023	U	0.00013	U
Chloroethane	*75-00-3*	--	--	0.048	U	0.00051	U	0.00049	U	0.00038	U	0.061	U	0.00034	U
Chloroform	*67-66-3*	*1.19*	--	0.026	U	0.00028	U	0.00027	U	0.00021	U	0.034	U	0.00019	U
Chloromethane	*74-87-3*	--	--	0.023	U	0.00025	U	0.00024	U	0.00019	U	0.030	U	0.00017	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.049	U	0.00052	U	0.00050	U	0.00039	U	0.062	U	0.00035	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.022	U	0.00023	U	0.00022	U	0.00017	U	0.028	U	0.00016	U
Cyclohexane	*110-82-7*	--	--	2.5		0.003		0.0043		0.00048	U	0.078	U	0.00043	U
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.054	U	0.00058	U	0.00055	U	0.00043	U	0.069	U	0.00038	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.017	U	0.00018	U	0.00017	U	0.00013	U	0.021	U	0.00012	U
1,2-Dibromoethane	*106-93-4*	--	--	0.027	U	0.00029	U	0.00027	U	0.00021	U	0.034	U	0.00019	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.019	U	0.00020	U	0.00019	U	0.00015	U	0.024	U	0.00014	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.015	U	0.00016	U	0.00016	U	0.00012	U	0.019	U	0.00011	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.017	U	0.00018	U	0.00017	U	0.00013	U	0.022	U	0.00012	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.061	U	0.00065	U	0.00062	U	0.00048	U	0.078	U	0.00043	U
1,1-Dichloroethane	*75-34-3*	--	--	0.021	U	0.00022	U	0.00021	U	0.00016	U	0.027	U	0.00015	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.019	U	0.00020	U	0.00019	U	0.00015	U	0.024	U	0.00014	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.017	U	0.00018	U	0.00017	U	0.00013	U	0.022	U	0.00012	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.034	U	0.00037	U	0.00035	U	0.00027	U	0.044	U	0.00024	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	**24.1**		0.00029	J	0.00017	U	0.0011		0.21		0.00012	U
2-Hexanone	*591-78-6*	--	--	0.15	U	0.0017	U	0.0016	U	0.0012	U	0.20	U	0.0011	U
Isopropylbenzene	*98-82-8*	--	--	5.7		0.00038	J	0.00017	U	0.0031		0.052	J	0.00012	U
Methyl Acetate	*79-20-9*	--	--	0.23	U	0.0024	U	0.0023	U	0.0018	U	0.29	U	0.0016	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.029	U	0.0068		0.0011		0.00023	U	0.038	U	0.00021	U

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North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P30:8'		P30:17-18'		P30:21'		P31:6 1/2'		P31:9'		P32:4 1/2'	
				Date Sampled:		5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017		4/28/2017	
				Depth (ft):		8-8		17-18		21-21		6.5-6.5		9-9		4.5-4.5	
				LAB Sample ID:		JC42929-37		JC42929-38		JC42929-39		JC42929-41		JC42929-42		JC42231-7	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.094	U	0.0010	U	0.00096	U	0.00075	U	0.12	U	0.00067	U		
Methylcyclohexane	*108-87-2*	--	--	12		0.00089	J	0.00057	U	0.0068		0.092	J	0.00040	U		
Methylene chloride	*75-09-2*	*4.05*	--	0.11	U	0.0012	U	0.0011	U	0.00088	U	0.14	U	0.00079	U		
Styrene	*100-42-5*	*4.69*	*300*	0.016	U	0.00017	U	0.00016	U	0.00013	U	0.021	U	0.00011	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.027	U	0.00029	U	0.00027	U	0.00021	U	0.034	U	0.00019	U		
Tetrachloroethene	*127-18-4*	*9.92*	--	0.031	U	0.00034	U	0.00032	U	0.00025	U	0.040	U	0.00022	U		
Toluene	*108-88-3*	*200*	--	9.2		0.00015	U	0.00014	U	0.00039	J	0.23		0.000099	U		
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.018	U	0.00019	U	0.00018	U	0.00014	U	0.022	U	0.00013	U		
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.025	U	0.00026	U	0.00025	U	0.00019	U	0.031	U	0.00018	U		
Freon 113	*76-13-1*	--	--	0.054	U	0.00058	U	0.00055	U	0.00043	U	0.069	U	0.00038	U		
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.056	U	0.00060	U	0.00057	U	0.00044	U	0.071	U	0.00040	U		
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.019	U	0.00020	U	0.00019	U	0.00015	U	0.024	U	0.00013	U		
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.036	U	0.00039	U	0.00037	U	0.00028	U	0.046	U	0.00026	U		
Trichloroethene	*79-01-6*	*12.4*	--	0.021	U	0.00023	U	0.00022	U	0.00017	U	0.027	U	0.00015	U		
Trichlorofluoromethane	*75-69-4*	--	--	0.070	U	0.00075	U	0.00071	U	0.00055	U	0.090	U	0.00050	U		
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.056	U	0.00060	U	0.00057	U	0.00044	U	0.071	U	0.00040	U		
Vinyl Chloride	*75-01-4*	*0.646*	--	0.022	U	0.00024	U	0.00023	U	0.00018	U	0.029	U	0.00016	U		
m,p-Xylene	*179601-23-1*	--	--	108		0.0009	J	0.00049	J	0.014		2.3		0.00017	U		
o-Xylene	*95-47-6*	--	--	29		0.00031	J	0.00023	U	0.031		1.1		0.00016	U		
Xylenes (total)	*1330-20-7*	*10*	--	**137**		0.00121		0.00049	J	0.045		3.4		0.00016	U		
Total VOC TIC	*SRP170*	--	--	70.4	J	0.26	J	0.12	J	0.39	J	13.1	J	ND			

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ND = Not Detected
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Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P32:15'		P33:4 1/2'		P33:15'		P34:16'		P35:5 1/2-6'		P35:7-7 1/2'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	15-15		4.5-4.5		16-16		16-16		5.5-6		7-7.5	
			LAB Sample ID:	JC42231-8		JC42231-14		JC42231-15		JC42231-13		JC42231-11		JC42231-12	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.012		0.011	J	0.08		0.073		0.0045	U	0.047	
Benzene	*71-43-2*	*0.255*	--	0.00010	U	0.00014	U	0.0012		0.0022		0.1		0.05	
Bromochloromethane	*74-97-5*	--	--	0.00027	U	0.00037	U	0.00033	U	0.00027	U	0.00029	U	0.00028	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.00013	U	0.00018	U	0.00016	U	0.00013	U	0.00014	U	0.00013	U
Bromoform	*75-25-2*	*15.9*	--	0.00023	U	0.00031	U	0.00027	U	0.00023	U	0.00024	U	0.00023	U
Bromomethane	*74-83-9*	*0.235*	--	0.00041	U	0.00056	U	0.00050	U	0.00041	U	0.00044	U	0.00042	U
2-Butanone (MEK)	*78-93-3*	--	--	0.0015	U	0.0020	U	0.01		0.0095		0.0016	U	0.015	
Carbon Disulfide	*75-15-0*	--	--	0.00014	U	0.00020	U	0.0062		0.0043		0.00033	J	0.00022	J
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.00014	U	0.00019	U	0.00017	U	0.00014	U	0.00015	U	0.00014	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.00014	U	0.00019	U	0.00017	U	0.00014	U	0.00015	U	0.00014	U
Chloroethane	*75-00-3*	--	--	0.00036	U	0.00049	U	0.00044	U	0.00036	U	0.00039	U	0.00037	U
Chloroform	*67-66-3*	*1.19*	--	0.00020	U	0.00027	U	0.00024	U	0.00020	U	0.00022	U	0.00021	U
Chloromethane	*74-87-3*	--	--	0.00018	U	0.00024	U	0.00022	U	0.00018	U	0.00019	U	0.00018	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.00037	U	0.00050	U	0.00045	U	0.00037	U	0.00040	U	0.00038	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.00017	U	0.00023	U	0.00020	U	0.00017	U	0.00018	U	0.00017	U
Cyclohexane	*110-82-7*	--	--	0.00046	U	0.00063	U	0.00056	U	0.00051	J	0.014		0.012	
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.00041	U	0.00056	U	0.00050	U	0.00041	U	0.00044	U	0.00042	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.00013	U	0.00017	U	0.00015	U	0.00013	U	0.00014	U	0.00013	U
1,2-Dibromoethane	*106-93-4*	--	--	0.00021	U	0.00028	U	0.00025	U	0.00021	U	0.00022	U	0.00021	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.00015	U	0.00020	U	0.00018	U	0.00015	U	0.00016	U	0.00015	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.00012	U	0.00016	U	0.00014	U	0.00012	U	0.00012	U	0.00012	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.00013	U	0.00018	U	0.00016	U	0.00013	U	0.00014	U	0.00013	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.00046	U	0.00063	U	0.00056	U	0.00046	U	0.00050	U	0.00048	U
1,1-Dichloroethane	*75-34-3*	--	--	0.00016	U	0.00022	U	0.00019	U	0.00016	U	0.00017	U	0.00016	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.00015	U	0.00020	U	0.00018	U	0.00015	U	0.00016	U	0.00015	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.00013	U	0.00018	U	0.00016	U	0.00013	U	0.00014	U	0.00013	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.00026	U	0.00036	U	0.00032	U	0.00026	U	0.00028	U	0.00027	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	0.00013	U	0.00017	U	0.00015	U	0.0012		0.18		0.12	
2-Hexanone	*591-78-6*	--	--	0.0012	U	0.0016	U	0.0014	U	0.0012	U	0.0013	U	0.0012	U
Isopropylbenzene	*98-82-8*	--	--	0.00052	J	0.00018	U	0.0022		0.0015	J	0.021		0.021	
Methyl Acetate	*79-20-9*	--	--	0.0017	U	0.0023	U	0.0021	U	0.0017	U	0.0018	U	0.0018	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.005		0.0008	J	0.55		0.46		0.04		0.046	

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P32:15'		P33:4 1/2'		P33:15'		P34:16'		P35:5 1/2-6'		P35:7-7 1/2'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	15-15		4.5-4.5		16-16		16-16		5.5-6		7-7.5	
			LAB Sample ID:	JC42231-8		JC42231-14		JC42231-15		JC42231-13		JC42231-11		JC42231-12	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.00072	U	0.00098	U	0.00087	U	0.00072	U	0.00077	U	0.00074	U
Methylcyclohexane	*108-87-2*	--	--	0.00043	U	0.00058	U	0.00052	U	0.00071	J	0.032		0.039	
Methylene chloride	*75-09-2*	*4.05*	--	0.00085	U	0.0012	U	0.0010	U	0.00085	U	0.00091	U	0.00087	U
Styrene	*100-42-5*	*4.69*	*300*	0.00012	U	0.00017	U	0.00015	U	0.00012	U	0.00013	U	0.00013	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.00020	U	0.00028	U	0.00025	U	0.00020	U	0.00022	U	0.00021	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.00024	U	0.00032	U	0.00029	U	0.00024	U	0.00026	U	0.00025	U
Toluene	*108-88-3*	*200*	--	0.00011	U	0.00014	U	0.00013	U	0.00011	U	0.077		0.024	
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.00013	U	0.00018	U	0.00016	U	0.00013	U	0.00014	U	0.00014	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.00019	U	0.00025	U	0.00023	U	0.00019	U	0.00020	U	0.00019	U
Freon 113	*76-13-1*	--	--	0.00041	U	0.00056	U	0.00050	U	0.00041	U	0.00044	U	0.00042	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.00042	U	0.00058	U	0.00051	U	0.00042	U	0.00045	U	0.00044	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.00014	U	0.00019	U	0.00017	U	0.00014	U	0.00015	U	0.00015	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.00027	U	0.00037	U	0.00033	U	0.00027	U	0.00029	U	0.00028	U
Trichloroethene	*79-01-6*	*12.4*	--	0.00016	U	0.00022	U	0.00020	U	0.00016	U	0.00017	U	0.00017	U
Trichlorofluoromethane	*75-69-4*	--	--	0.00053	U	0.00072	U	0.00065	U	0.00053	U	0.00057	U	0.00055	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.00042	U	0.00058	U	0.00051	U	0.00042	U	0.00045	U	0.00044	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.00017	U	0.00023	U	0.00021	U	0.00017	U	0.00018	U	0.00018	U
m,p-Xylene	*179601-23-1*	--	--	0.00019	U	0.00033	J	0.00022	U	0.00019	U	0.9		0.24	
o-Xylene	*95-47-6*	--	--	0.00017	U	0.00023	U	0.00021	U	0.00049	J	0.36		0.1	
Xylenes (total)	*1330-20-7*	*10*	--	0.00017	J	0.00033	J	0.00021	U	0.00049	J	1.26		0.34	
Total VOC TIC	*SRP170*	--	--	ND		ND		0.033	J	0.04	J	0.36	J	0.48	J

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P36:6'		P36:12'		P37:3'		P37:7'		P38:3'		P38:8'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	6-6		12-12		3-3		7-7		3-3		8-8	
			LAB Sample ID:	JC42231-9		JC42231-10		JC42231-1		JC42231-2		JC42231-3		JC42231-4	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.0046	U	0.0055	U	0.086		0.013		0.51	U	0.54	U
Benzene	*71-43-2*	*0.255*	--	0.0018		0.00013	U	0.016		0.00077		0.12		**0.58**	
Bromochloromethane	*74-97-5*	--	--	0.00029	U	0.00035	U	0.00032	U	0.00027	U	0.032	U	0.035	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.00014	U	0.00017	U	0.00015	U	0.00013	U	0.015	U	0.016	U
Bromoform	*75-25-2*	*15.9*	--	0.00024	U	0.00029	U	0.00026	U	0.00023	U	0.027	U	0.029	U
Bromomethane	*74-83-9*	*0.235*	--	0.00044	U	0.00054	U	0.00048	U	0.00041	U	0.049	U	0.053	U
2-Butanone (MEK)	*78-93-3*	--	--	0.0016	U	0.0020	U	0.0093	J	0.0015	U	0.18	U	0.19	U
Carbon Disulfide	*75-15-0*	--	--	0.00051	J	0.00019	U	0.00024	J	0.00014	U	0.017	U	0.018	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.00015	U	0.00018	U	0.00016	U	0.00014	U	0.017	U	0.018	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.00015	U	0.00018	U	0.00016	U	0.00014	U	0.016	U	0.018	U
Chloroethane	*75-00-3*	--	--	0.00039	U	0.00048	U	0.00043	U	0.00037	U	0.044	U	0.046	U
Chloroform	*67-66-3*	*1.19*	--	0.00022	U	0.00026	U	0.00024	U	0.00020	U	0.024	U	0.026	U
Chloromethane	*74-87-3*	--	--	0.00019	U	0.00023	U	0.00021	U	0.00018	U	0.021	U	0.023	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.00040	U	0.00049	U	0.00043	U	0.00037	U	0.044	U	0.047	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.00018	U	0.00022	U	0.00019	U	0.00017	U	0.020	U	0.021	U
Cyclohexane	*110-82-7*	--	--	0.0098		0.00061	U	0.016		0.00046	U	0.082	J	0.62	
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.00044	U	0.00054	U	0.00048	U	0.00041	U	0.049	U	0.052	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.00014	U	0.00017	U	0.00015	U	0.00013	U	0.015	U	0.016	U
1,2-Dibromoethane	*106-93-4*	--	--	0.00022	U	0.00027	U	0.00024	U	0.00021	U	0.025	U	0.026	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.00016	U	0.00019	U	0.00017	U	0.00015	U	0.017	U	0.019	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.00013	U	0.00015	U	0.00014	U	0.00012	U	0.014	U	0.015	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.00014	U	0.00017	U	0.00015	U	0.00013	U	0.016	U	0.017	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.00050	U	0.00060	U	0.00054	U	0.00046	U	0.055	U	0.059	U
1,1-Dichloroethane	*75-34-3*	--	--	0.00017	U	0.00021	U	0.00019	U	0.00016	U	0.019	U	0.020	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.00016	U	0.00032	J	0.00017	U	0.00015	U	0.017	U	0.019	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.00014	U	0.00017	U	0.00015	U	0.00013	U	0.016	U	0.017	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.00028	U	0.00034	U	0.00031	U	0.00026	U	0.031	U	0.033	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	0.00041	J	0.00017	U	0.031		0.00027	J	0.5		3.6	
2-Hexanone	*591-78-6*	--	--	0.0013	U	0.0015	U	0.0014	U	0.0012	U	0.14	U	0.15	U
Isopropylbenzene	*98-82-8*	--	--	0.0045		0.00017	U	0.042		0.00064	J	0.28		2.2	
Methyl Acetate	*79-20-9*	--	--	0.0019	U	0.0023	U	0.0020	U	0.0017	U	0.21	U	0.22	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.002		0.051		0.0026		0.00046	J	0.027	U	0.029	U

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North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P36:6'		P36:12'		P37:3'		P37:7'		P38:3'		P38:8'	
				Date Sampled:		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
				Depth (ft):		6-6		12-12		3-3		7-7		3-3		8-8	
				LAB Sample ID:		JC42231-9		JC42231-10		JC42231-1		JC42231-2		JC42231-3		JC42231-4	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.00078	U	0.00094	U	0.00084	U	0.00072	U	0.086	U	0.092	U
Methylcyclohexane	*108-87-2*	--	--	0.047		0.00056	U	0.099		0.00065	J	0.43		3.1	
Methylene chloride	*75-09-2*	*4.05*	--	0.00091	U	0.0011	U	0.00099	U	0.00085	U	0.10	U	0.11	U
Styrene	*100-42-5*	*4.69*	*300*	0.00013	U	0.00016	U	0.00014	U	0.00012	U	0.015	U	0.016	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.00022	U	0.00026	U	0.00024	U	0.00020	U	0.024	U	0.026	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.00026	U	0.00031	U	0.00028	U	0.00024	U	0.029	U	0.030	U
Toluene	*108-88-3*	*200*	--	0.00011	U	0.00014	U	0.0015		0.00011	U	0.028	J	0.068	J
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.00014	U	0.00018	U	0.00016	U	0.00013	U	0.016	U	0.017	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.00020	U	0.00025	U	0.00022	U	0.00019	U	0.022	U	0.024	U
Freon 113	*76-13-1*	--	--	0.00044	U	0.00054	U	0.00048	U	0.00041	U	0.049	U	0.052	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.00046	U	0.00055	U	0.00050	U	0.00043	U	0.051	U	0.054	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.00015	U	0.00019	U	0.00017	U	0.00014	U	0.017	U	0.018	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.00030	U	0.00036	U	0.00032	U	0.00027	U	0.033	U	0.035	U
Trichloroethene	*79-01-6*	*12.4*	--	0.00017	U	0.00021	U	0.00019	U	0.00016	U	0.019	U	0.021	U
Trichlorofluoromethane	*75-69-4*	--	--	0.00057	U	0.00070	U	0.00062	U	0.00054	U	0.064	U	0.068	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.00046	U	0.00055	U	0.00050	U	0.00043	U	0.051	U	0.054	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.00018	U	0.00022	U	0.00020	U	0.00017	U	0.021	U	0.022	U
m,p-Xylene	*179601-23-1*	--	--	0.00052	J	0.00024	U	0.012		0.00028	J	0.21		2.1	
o-Xylene	*95-47-6*	--	--	0.00019	J	0.00022	U	0.0031		0.00017	U	0.021	U	0.056	J
Xylenes (total)	*1330-20-7*	*10*	--	0.00071	J	0.00022	U	0.0151		0.00028	J	0.21		2.156	
Total VOC TIC	*SRP170*	--	--	0.59	J	0.01	J	1.2	J	0.0063	J	11	J	36.8	J

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Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P38:13'		P38:18'		P39:15'		P40:6'		P40:15'		P41:5'	
			Date Sampled:	4/28/2017		4/28/2017		4/27/2017		5/8/2017		5/8/2017		5/8/2017	
			Depth (ft):	13-13		18-18		15-15		6-6		15-15		5-5	
			LAB Sample ID:	JC42231-5		JC42231-6		JC42109-10		JC42929-15		JC42929-16		JC42929-17	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.52	U	0.067		0.011		0.0048	U	0.045		0.051	
Benzene	*71-43-2*	*0.255*	--	**1.9**		**1.1**		0.009		0.0011		**0.94**		0.016	
Bromochloromethane	*74-97-5*	--	--	0.033	U	0.00028	U	0.00027	U	0.00030	U	0.00031	U	0.00027	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.016	U	0.00013	U	0.00013	U	0.00014	U	0.00015	U	0.00013	U
Bromoform	*75-25-2*	*15.9*	--	0.028	U	0.00024	U	0.00022	U	0.00025	U	0.00026	U	0.00023	U
Bromomethane	*74-83-9*	*0.235*	--	0.051	U	0.00043	U	0.00041	U	0.00046	U	0.00047	U	0.00041	U
2-Butanone (MEK)	*78-93-3*	--	--	0.18	U	0.021		0.0015	U	0.0017	U	0.022		0.006	J
Carbon Disulfide	*75-15-0*	--	--	0.018	U	0.0049		0.00021	J	0.00016	U	0.00017	U	0.00015	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.017	U	0.00015	U	0.00014	U	0.00016	U	0.00016	U	0.00014	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.017	U	0.00014	U	0.00014	U	0.00015	U	0.00016	U	0.00014	U
Chloroethane	*75-00-3*	--	--	0.045	U	0.00038	U	0.00036	U	0.00041	U	0.00042	U	0.00037	U
Chloroform	*67-66-3*	*1.19*	--	0.025	U	0.00021	U	0.00020	U	0.00023	U	0.00023	U	0.00020	U
Chloromethane	*74-87-3*	--	--	0.022	U	0.00019	U	0.00018	U	0.00020	U	0.00021	U	0.00018	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.046	U	0.00039	U	0.00037	U	0.00042	U	0.00043	U	0.00037	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.021	U	0.00017	U	0.00016	U	0.00019	U	0.00019	U	0.00017	U
Cyclohexane	*110-82-7*	--	--	3.9		0.0048		0.00046	U	0.00052	U	0.0042		0.004	
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.051	U	0.00043	U	0.00040	U	0.00046	U	0.00047	U	0.00041	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.016	U	0.00013	U	0.00013	U	0.00014	U	0.00015	U	0.00013	U
1,2-Dibromoethane	*106-93-4*	--	--	0.025	U	0.00021	U	0.00020	U	0.00023	U	0.00024	U	0.00021	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.018	U	0.00015	U	0.00014	U	0.00016	U	0.00017	U	0.00015	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.014	U	0.00012	U	0.00011	U	0.00013	U	0.00013	U	0.00012	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.016	U	0.00014	U	0.00013	U	0.00015	U	0.00015	U	0.00013	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.057	U	0.00048	U	0.00046	U	0.00052	U	0.00053	U	0.00047	U
1,1-Dichloroethane	*75-34-3*	--	--	0.020	U	0.00017	U	0.00016	U	0.00018	U	0.00018	U	0.00016	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.018	U	0.00015	U	0.00014	U	0.00016	U	0.02		0.00015	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.016	U	0.00014	U	0.00013	U	0.00015	U	0.00015	U	0.00013	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.032	U	0.00027	U	0.00026	U	0.00029	U	0.00030	U	0.00026	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	**31**		0.079		0.00017	J	0.00014	U	0.1		0.039	
2-Hexanone	*591-78-6*	--	--	0.15	U	0.0012	U	0.0012	U	0.0013	U	0.0014	U	0.0012	U
Isopropylbenzene	*98-82-8*	--	--	12.4		0.011		0.0006	J	0.00015	U	0.0098		0.0064	
Methyl Acetate	*79-20-9*	--	--	0.21	U	0.0018	U	0.0017	U	0.0019	U	0.0020	U	0.0017	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.04	J	0.097		0.00022	U	0.00025	U	0.00026	U	0.00023	U

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P38:13'		P38:18'		P39:15'		P40:6'		P40:15'		P41:5'	
			Date Sampled:	4/28/2017		4/28/2017		4/27/2017		5/8/2017		5/8/2017		5/8/2017	
			Depth (ft):	13-13		18-18		15-15		6-6		15-15		5-5	
			LAB Sample ID:	JC42231-5		JC42231-6		JC42109-10		JC42929-15		JC42929-16		JC42929-17	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.089	U	0.00075	U	0.00071	U	0.00081	U	0.0019	J	0.00072	U
Methylcyclohexane	*108-87-2*	--	--	19.5		0.0074		0.00042	U	0.001	J	0.0045		0.0091	
Methylene chloride	*75-09-2*	*4.05*	--	0.10	U	0.00089	U	0.00084	U	0.00095	U	0.002	J	0.00085	U
Styrene	*100-42-5*	*4.69*	*300*	0.015	U	0.00013	U	0.00012	U	0.00014	U	0.00014	U	0.00012	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.025	U	0.00021	U	0.00020	U	0.00023	U	0.00023	U	0.00020	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.029	U	0.00025	U	0.00023	U	0.00027	U	0.00027	U	0.00024	U
Toluene	*108-88-3*	*200*	--	8.9		0.01		0.00018	J	0.00012	U	1.9		0.00081	J
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.017	U	0.00014	U	0.00013	U	0.00015	U	0.00015	U	0.00013	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.023	U	0.00020	U	0.00018	U	0.00021	U	0.00022	U	0.00019	U
Freon 113	*76-13-1*	--	--	0.051	U	0.00043	U	0.00040	U	0.00046	U	0.00047	U	0.00041	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.052	U	0.00044	U	0.00042	U	0.00048	U	0.00049	U	0.00043	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.017	U	0.00015	U	0.00014	U	0.00016	U	0.00016	U	0.00014	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.034	U	0.00029	U	0.00027	U	0.00031	U	0.00032	U	0.00028	U
Trichloroethene	*79-01-6*	*12.4*	--	0.020	U	0.00017	U	0.00016	U	0.00018	U	0.00019	U	0.00016	U
Trichlorofluoromethane	*75-69-4*	--	--	0.066	U	0.00056	U	0.00053	U	0.00060	U	0.00061	U	0.00054	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.052	U	0.00044	U	0.00042	U	0.00048	U	0.00049	U	0.00043	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.021	U	0.00018	U	0.00017	U	0.00019	U	0.00020	U	0.00017	U
m,p-Xylene	*179601-23-1*	--	--	90.6		0.041		0.00056	J	0.00021	U	2		0.022	
o-Xylene	*95-47-6*	--	--	28.2		0.0071		0.00089		0.0005	J	0.82		0.00072	J
Xylenes (total)	*1330-20-7*	*10*	--	**118.8**		0.0481		0.00145		0.0005	J	2.82		0.02272	
Total VOC TIC	*SRP170*	--	--	68	J	0.21	J	ND		0.0066	J	0.35	J	0.29	J

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P41:10'		P42:6'		P42:8'		P43:1'		P43:2'		P43:6'	
			Date Sampled:	5/8/2017		5/8/2017		5/8/2017		4/27/2017		4/27/2017		4/27/2017	
			Depth (ft):	10-10		6-6		8-8		1-1		2-2		6-6	
			LAB Sample ID:	JC42929-18		JC42929-19		JC42929-20		JC42109-14		JC42109-15		JC42109-16	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.49	U	0.0050	U	0.0047	U	0.60	U	0.36	U	0.25	U
Benzene	*71-43-2*	*0.255*	--	**1.6**		0.00012	U	0.0022		**6.2**		**1.2**		**0.89**	
Bromochloromethane	*74-97-5*	--	--	0.032	U	0.00032	U	0.00030	U	0.038	U	0.023	U	0.016	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.015	U	0.00015	U	0.00014	U	0.018	U	0.011	U	0.0075	U
Bromoform	*75-25-2*	*15.9*	--	0.026	U	0.00027	U	0.00025	U	0.032	U	0.019	U	0.013	U
Bromomethane	*74-83-9*	*0.235*	--	0.048	U	0.00049	U	0.00046	U	0.058	U	0.035	U	0.024	U
2-Butanone (MEK)	*78-93-3*	--	--	0.17	U	0.0018	U	0.0017	U	0.21	U	0.13	U	0.087	U
Carbon Disulfide	*75-15-0*	--	--	0.017	U	0.00017	U	0.00016	U	0.020	U	0.012	U	0.0084	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.016	U	0.00017	U	0.00016	U	0.020	U	0.012	U	0.0082	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.016	U	0.00016	U	0.00015	U	0.019	U	0.012	U	0.0080	U
Chloroethane	*75-00-3*	--	--	0.042	U	0.00043	U	0.00041	U	0.051	U	0.031	U	0.021	U
Chloroform	*67-66-3*	*1.19*	--	0.024	U	0.00024	U	0.00023	U	0.029	U	0.017	U	0.012	U
Chloromethane	*74-87-3*	--	--	0.021	U	0.00021	U	0.00020	U	0.025	U	0.015	U	0.010	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.043	U	0.00044	U	0.00042	U	0.052	U	0.032	U	0.022	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.019	U	0.00020	U	0.00019	U	0.023	U	0.014	U	0.0097	U
Cyclohexane	*110-82-7*	--	--	2.9		0.00055	U	0.00052	U	11.1		0.46		1.6	
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.048	U	0.00049	U	0.00046	U	0.058	U	0.035	U	0.024	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.015	U	0.00015	U	0.00014	U	0.018	U	0.011	U	0.0074	U
1,2-Dibromoethane	*106-93-4*	--	--	0.024	U	0.00024	U	0.00023	U	0.029	U	0.018	U	0.012	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.017	U	0.00017	U	0.00016	U	0.020	U	0.012	U	0.0084	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.014	U	0.00014	U	0.00013	U	0.016	U	0.010	U	0.0068	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.015	U	0.00015	U	0.00015	U	0.018	U	0.011	U	0.0075	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.054	U	0.00055	U	0.00052	U	0.065	U	0.040	U	0.027	U
1,1-Dichloroethane	*75-34-3*	--	--	0.018	U	0.00019	U	0.00018	U	0.022	U	0.014	U	0.0092	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.017	U	0.00017	U	0.00016	U	0.020	U	0.012	U	0.0084	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.015	U	0.00015	U	0.00015	U	0.018	U	0.011	U	0.0075	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.031	U	0.00031	U	0.00029	U	0.037	U	0.022	U	0.015	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	**27.2**		0.0013		0.00073	J	**285**		**8**		3.2	
2-Hexanone	*591-78-6*	--	--	0.14	U	0.0014	U	0.0013	U	0.17	U	0.10	U	0.068	U
Isopropylbenzene	*98-82-8*	--	--	4.7		0.00023	J	0.00019	J	56.1		1.1		2.2	
Methyl Acetate	*79-20-9*	--	--	0.20	U	0.0020	U	0.0019	U	0.24	U	0.15	U	0.10	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.026	U	0.00027	U	0.0015		0.032	U	0.019	U	0.013	U

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North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P41:10'		P42:6'		P42:8'		P43:1'		P43:2'		P43:6'	
				Date Sampled:		5/8/2017		5/8/2017		5/8/2017		4/27/2017		4/27/2017		4/27/2017	
				Depth (ft):		10-10		6-6		8-8		1-1		2-2		6-6	
				LAB Sample ID:		JC42929-18		JC42929-19		JC42929-20		JC42109-14		JC42109-15		JC42109-16	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.084	U	0.00086	U	0.00081	U	0.10	U	0.062	U	0.042	U		
Methylcyclohexane	*108-87-2*	--	--	10.5		0.00051	U	0.00048	U	80.9		1.9		7.4			
Methylene chloride	*75-09-2*	*4.05*	--	0.099	U	0.0010	U	0.00095	U	0.12	U	0.073	U	0.049	U		
Styrene	*100-42-5*	*4.69*	*300*	0.014	U	0.00015	U	0.00014	U	0.017	U	0.011	U	0.0071	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.024	U	0.00024	U	0.00023	U	0.029	U	0.017	U	0.012	U		
Tetrachloroethene	*127-18-4*	*9.92*	--	0.028	U	0.00028	U	0.00027	U	0.034	U	0.020	U	0.014	U		
Toluene	*108-88-3*	*200*	--	23.3		0.0012		0.00064	J	102		0.36		0.03	J		
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.016	U	0.00016	U	0.00015	U	0.019	U	0.011	U	0.0078	U		
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.022	U	0.00022	U	0.00021	U	0.026	U	0.016	U	0.011	U		
Freon 113	*76-13-1*	--	--	0.048	U	0.00049	U	0.00046	U	0.058	U	0.035	U	0.024	U		
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.049	U	0.00050	U	0.00047	U	0.060	U	0.036	U	0.025	U		
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.016	U	0.00017	U	0.00016	U	0.020	U	0.012	U	0.0082	U		
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.032	U	0.00033	U	0.00031	U	0.039	U	0.023	U	0.016	U		
Trichloroethene	*79-01-6*	*12.4*	--	0.019	U	0.00019	U	0.00018	U	0.023	U	0.014	U	0.0094	U		
Trichlorofluoromethane	*75-69-4*	--	--	0.062	U	0.00063	U	0.00060	U	0.075	U	0.046	U	0.031	U		
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.049	U	0.00050	U	0.00047	U	0.060	U	0.036	U	0.025	U		
Vinyl Chloride	*75-01-4*	*0.646*	--	0.020	U	0.00020	U	0.00019	U	0.024	U	0.015	U	0.010	U		
m,p-Xylene	*179601-23-1*	--	--	101		0.0053		0.003		2020		37.8		2.4			
o-Xylene	*95-47-6*	--	--	33.2		0.0019		0.0012		766		5		0.33			
Xylenes (total)	*1330-20-7*	*10*	--	**134.2**		0.0072		0.0042		**2786**		**42.8**		2.73			
Total VOC TIC	*SRP170*	--	--	61.7	J	ND		ND		177	J	26.9	J	85.9	J		

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P44:3'		P44:7-7 1/2'		P45:5 1/2-6'		P45:12-12 1/2'		P46:6-6 1/2'		P47:6-6 1/2'	
			Date Sampled:	4/28/2017		4/28/2017		4/27/2017		4/27/2017		5/9/2017		10/4/2017	
			Depth (ft):	3-3		7-7.5		5.5-6		12-12.5		6-6.5		6-6.5	
			LAB Sample ID:	JC42231-16		JC42231-17		JC42109-11		JC42109-12		JC42929-40		JC52433-8	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.62	U	0.017		0.021		0.0092	J	0.0064	J	0.0066	U
Benzene	*71-43-2*	*0.255*	--	**6.3**		0.0033		0.00011	U	0.0021		0.0016		0.00011	U
Bromochloromethane	*74-97-5*	--	--	0.040	U	0.00036	U	0.00028	U	0.00031	U	0.00032	U	0.00045	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.019	U	0.00017	U	0.00013	U	0.00015	U	0.00015	U	0.00025	U
Bromoform	*75-25-2*	*15.9*	--	0.033	U	0.00030	U	0.00024	U	0.00026	U	0.00026	U	0.00032	U
Bromomethane	*74-83-9*	*0.235*	--	0.060	U	0.00055	U	0.00043	U	0.00047	U	0.00048	U	0.00073	U
2-Butanone (MEK)	*78-93-3*	--	--	0.22	U	0.0020	U	0.0016	U	0.0017	U	0.0018	U	0.0054	U
Carbon Disulfide	*75-15-0*	--	--	0.021	U	0.00045	J	0.00015	U	0.00017	U	0.00017	U	0.00063	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.021	U	0.00019	U	0.00015	U	0.00016	U	0.00017	U	0.00067	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.020	U	0.00018	U	0.00014	U	0.00016	U	0.00016	U	0.00030	U
Chloroethane	*75-00-3*	--	--	0.053	U	0.00049	U	0.00038	U	0.00042	U	0.00043	U	0.00093	U
Chloroform	*67-66-3*	*1.19*	--	0.030	U	0.00027	U	0.00021	U	0.00025	J	0.00024	U	0.00033	U
Chloromethane	*74-87-3*	--	--	0.026	U	0.00024	U	0.00019	U	0.00021	U	0.00021	U	0.0010	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.054	U	0.00050	U	0.00039	U	0.00043	U	0.00044	U	0.00042	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.024	U	0.00022	U	0.00017	U	0.00019	U	0.00020	U	0.00040	U
Cyclohexane	*110-82-7*	--	--	9.3		0.00062	U	0.00048	U	0.00053	U	0.00054	U	0.00036	U
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.060	U	0.00055	U	0.00043	U	0.00047	U	0.00048	U	0.00070	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.019	U	0.00017	U	0.00013	U	0.00015	U	0.00015	U	0.00039	U
1,2-Dibromoethane	*106-93-4*	--	--	0.030	U	0.00027	U	0.00021	U	0.00024	U	0.00024	U	0.00025	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.021	U	0.00019	U	0.00015	U	0.00017	U	0.00017	U	0.00053	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.017	U	0.00016	U	0.00012	U	0.00013	U	0.00014	U	0.00030	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.019	U	0.00017	U	0.00014	U	0.00015	U	0.00015	U	0.00050	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.068	U	0.00062	U	0.00048	U	0.00053	U	0.00054	U	0.00063	U
1,1-Dichloroethane	*75-34-3*	--	--	0.023	U	0.00021	U	0.00017	U	0.00018	U	0.00019	U	0.00027	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.021	U	0.00019	U	0.00015	U	0.00017	U	0.00017	U	0.00019	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.019	U	0.00017	U	0.00014	U	0.00015	U	0.00015	U	0.00073	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.038	U	0.00035	U	0.00027	U	0.00030	U	0.00031	U	0.00041	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	**165**		0.052		0.00013	U	0.00015	U	0.0017		0.00030	U
2-Hexanone	*591-78-6*	--	--	0.17	U	0.0016	U	0.0012	U	0.0014	U	0.0014	U	0.0029	U
Isopropylbenzene	*98-82-8*	--	--	42.4		0.027		0.00014	U	0.00051	J	0.00052	J	0.00026	U
Methyl Acetate	*79-20-9*	--	--	0.25	U	0.0023	U	0.0018	U	0.0020	U	0.0020	U	0.0026	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.033	U	0.0048		0.00023	U	0.014		0.0009	J	0.00044	U

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P44:3'		P44:7-7 1/2'		P45:5 1/2-6'		P45:12-12 1/2'		P46:6-6 1/2'		P47:6-6 1/2'	
			Date Sampled:	4/28/2017		4/28/2017		4/27/2017		4/27/2017		5/9/2017		10/4/2017	
			Depth (ft):	3-3		7-7.5		5.5-6		12-12.5		6-6.5		6-6.5	
			LAB Sample ID:	JC42231-16		JC42231-17		JC42109-11		JC42109-12		JC42929-40		JC52433-8	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.11	U	0.00096	U	0.00075	U	0.00083	U	0.00085	U	0.0019	U
Methylcyclohexane	*108-87-2*	--	--	58.1		0.0028		0.00045	U	0.00049	U	0.00050	U	0.00057	U
Methylene chloride	*75-09-2*	*4.05*	--	0.12	U	0.0011	U	0.00089	U	0.00098	U	0.0010	U	0.0026	U
Styrene	*100-42-5*	*4.69*	*300*	0.018	U	0.00016	U	0.00013	U	0.00014	U	0.00014	U	0.00051	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.030	U	0.00027	U	0.00021	U	0.00023	U	0.00024	U	0.00026	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.035	U	0.00032	U	0.00025	U	0.00028	U	0.00028	U	0.00066	U
Toluene	*108-88-3*	*200*	--	2.7		0.00044	J	0.00011	U	0.00012	U	0.0014		0.00057	U
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.020	U	0.00018	U	0.00014	U	0.00015	U	0.00016	U	0.00060	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.027	U	0.00025	U	0.00020	U	0.00022	U	0.00022	U	0.00025	U
Freon 113	*76-13-1*	--	--	0.060	U	0.00055	U	0.00043	U	0.00047	U	0.00048	U	0.00070	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.062	U	0.00057	U	0.00044	U	0.00049	U	0.00050	U	0.0010	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.021	U	0.00019	U	0.00015	U	0.00016	U	0.00017	U	0.00060	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.040	U	0.00037	U	0.00029	U	0.00032	U	0.00032	U	0.00043	U
Trichloroethene	*79-01-6*	*12.4*	--	0.024	U	0.00022	U	0.00017	U	0.00019	U	0.00019	U	0.00057	U
Trichlorofluoromethane	*75-69-4*	--	--	0.078	U	0.00071	U	0.00056	U	0.00062	U	0.00063	U	0.00050	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.062	U	0.00057	U	0.00044	U	0.00049	U	0.00050	U	0.0010	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.025	U	0.00023	U	0.00018	U	0.00020	U	0.00020	U	0.00079	U
m,p-Xylene	*179601-23-1*	--	--	765		0.29		0.00021	J	0.00021	U	0.011		0.00057	U
o-Xylene	*95-47-6*	--	--	183		0.071		0.00018	U	0.00020	U	0.012		0.00026	U
Xylenes (total)	*1330-20-7*	*10*	--	**948**		0.361		0.00021	J	0.00020	U	0.023		0.00026	U
Total VOC TIC	*SRP170*	--	--	80	J	0.6	J	ND		ND		0.06	J	ND	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P48:1-1 1/2'		P48:7 1/2-8'		P48:20'		P49: 4 1/2-5'		P50: 4-4 1/2'		P51:2 1/2-3'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/4/2017	
			Depth (ft):	1-1.5		7.5-8		20-20		4.5-5		4-4.5		2.5-3	
			LAB Sample ID:	JC52433-5		JC52433-6		JC52433-7		JC52345-1		JC52345-2		JC52433-1	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.0062	U	0.0070	U	0.016		0.0051	U	0.019		14	U
Benzene	*71-43-2*	*0.255*	--	0.0027		0.00012	U	0.035		0.000085	U	0.000092	U	0.24	U
Bromochloromethane	*74-97-5*	--	--	0.00042	U	0.00047	U	0.00045	U	0.00035	U	0.00037	U	0.98	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.00023	U	0.00026	U	0.00025	U	0.00019	U	0.00021	U	0.55	U
Bromoform	*75-25-2*	*15.9*	--	0.00030	U	0.00034	U	0.00033	U	0.00025	U	0.00027	U	0.70	U
Bromomethane	*74-83-9*	*0.235*	--	0.0011	J	0.00076	U	0.00073	U	0.00056	U	0.0006	U	1.6	U
2-Butanone (MEK)	*78-93-3*	--	--	0.0050	U	0.0057	U	0.0055	U	0.0042	U	0.0045	U	12	U
Carbon Disulfide	*75-15-0*	--	--	0.00059	U	0.00066	U	0.0021		0.00049	U	0.00053	U	1.4	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.00062	U	0.00070	U	0.00068	U	0.00052	U	0.00056	U	1.5	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.00028	U	0.00031	U	0.00030	U	0.00023	U	0.00025	U	0.65	U
Chloroethane	*75-00-3*	--	--	0.00087	U	0.00098	U	0.00094	U	0.00072	U	0.00078	U	2.0	U
Chloroform	*67-66-3*	*1.19*	--	0.00031	U	0.00035	U	0.00034	U	0.00026	U	0.00028	U	0.73	U
Chloromethane	*74-87-3*	--	--	0.00095	U	0.0011	U	0.0010	U	0.00079	U	0.00085	U	2.2	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.00039	U	0.00044	U	0.00042	U	0.00032	U	0.00035	U	0.91	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.00037	U	0.00042	U	0.00040	U	0.00031	U	0.00033	U	0.86	U
Cyclohexane	*110-82-7*	--	--	0.00033	U	0.00037	U	0.00075	J	0.00027	U	0.0003	U	0.77	U
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.00065	U	0.00073	U	0.00070	U	0.00054	U	0.00058	U	1.5	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.00037	U	0.00041	U	0.00040	U	0.0003	U	0.00033	U	0.86	U
1,2-Dibromoethane	*106-93-4*	--	--	0.00024	U	0.00027	U	0.00026	U	0.0002	U	0.00021	U	0.55	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.00050	U	0.00056	U	0.00054	U	0.00041	U	0.00044	U	1.2	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.00028	U	0.00031	U	0.00030	U	0.00023	U	0.00025	U	0.65	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.00046	U	0.00052	U	0.00050	U	0.00038	U	0.00041	U	*1.1*	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.00058	U	0.00066	U	0.00063	U	0.00048	U	0.00052	U	1.4	U
1,1-Dichloroethane	*75-34-3*	--	--	0.00025	U	0.00028	U	0.00027	U	0.00021	U	0.00022	U	0.58	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.00017	U	0.00020	U	0.00019	U	0.00014	U	0.00016	U	0.41	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.00068	U	0.00077	U	0.00074	U	0.00056	U	0.00061	U	1.6	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.00038	U	0.00043	U	0.00041	U	0.00032	U	0.00034	U	0.89	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	0.0033		0.00031	U	0.00030	U	0.00023	U	0.00025	U	**32.6**	
2-Hexanone	*591-78-6*	--	--	0.0027	U	0.0030	U	0.0029	U	0.0022	U	0.0024	U	6.3	U
Isopropylbenzene	*98-82-8*	--	--	0.00024	U	0.00027	U	0.0012	J	0.0002	U	0.00021	U	15.3	
Methyl Acetate	*79-20-9*	--	--	0.0051		0.0027	U	0.0026	U	0.002	U	0.0022	U	5.7	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.00041	U	0.00046	U	0.096		0.00066	J	0.00037	U	0.96	U

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P48:1-1 1/2'		P48:7 1/2-8'		P48:20'		P49: 4 1/2-5'		P50: 4-4 1/2'		P51:2 1/2-3'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/4/2017	
			Depth (ft):	1-1.5		7.5-8		20-20		4.5-5		4-4.5		2.5-3	
			LAB Sample ID:	JC52433-5		JC52433-6		JC52433-7		JC52345-1		JC52345-2		JC52433-1	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.0017	U	0.0020	U	0.0019	U	0.0014	U	0.0016	U	4.1	U
Methylcyclohexane	*108-87-2*	--	--	0.00081	J	0.00059	U	0.00062	J	0.00044	U	0.00047	U	11.4	
Methylene chloride	*75-09-2*	*4.05*	--	0.0024	U	0.0027	U	0.0026	U	0.002	U	0.0022	U	5.6	U
Styrene	*100-42-5*	*4.69*	*300*	0.00048	U	0.00054	U	0.00052	U	0.0004	U	0.00043	U	1.1	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.00024	U	0.00028	U	0.00027	U	0.0002	U	0.00022	U	0.57	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.00061	U	0.00069	U	0.00067	U	0.00051	U	0.00055	U	5.9	
Toluene	*108-88-3*	*200*	--	0.0046		0.00059	U	0.00071	J	0.00044	U	0.00047	U	1.2	U
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.00056	U	0.00063	U	0.00061	U	0.00047	U	0.0005	U	1.3	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.00023	U	0.00026	U	0.00025	U	0.00019	U	0.0002	U	0.53	U
Freon 113	*76-13-1*	--	--	0.00065	U	0.00073	U	0.00070	U	0.00054	U	0.00058	U	1.5	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.00096	U	0.0011	U	0.0010	U	0.0008	U	0.00086	U	2.3	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.00056	U	0.00063	U	0.00061	U	0.00046	U	0.0005	U	1.3	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.00040	U	0.00046	U	0.00044	U	0.00033	U	0.00036	U	0.95	U
Trichloroethene	*79-01-6*	*12.4*	--	0.00052	U	0.00059	U	0.00057	U	0.00044	U	0.00047	U	1.2	U
Trichlorofluoromethane	*75-69-4*	--	--	0.00046	U	0.00052	U	0.00050	U	0.00038	U	0.00041	U	1.1	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.00096	U	0.0011	U	0.0010	U	0.0008	U	0.00086	U	2.3	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.00073	U	0.00083	U	0.00080	U	0.00061	U	0.00066	U	1.7	U
m,p-Xylene	*179601-23-1*	--	--	0.012		0.00059	U	0.0011		0.00044	U	0.00047	U	418	
o-Xylene	*95-47-6*	--	--	0.0023		0.00027	U	0.0047		0.0002	U	0.00022	U	199	
Xylenes (total)	*1330-20-7*	*10*	--	0.0143		0.00027	U	0.0058		0.0002	U	0.00022	U	**617**	
Total VOC TIC	*SRP170*	--	--	0.01	J	ND		0.0056	J	ND		ND		3920	J

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P51:3 1/2-4'		P52: 0-1/2'		P52: 7-8'		P53: 4-4 1/2'		P54: 0-1/2'		P54: 1/2-1'	
			Date Sampled:	10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	3.5-4		0-0.5		7-8		4-4.5		0-0.5		0.5-1	
			LAB Sample ID:	JC52433-2		JC52345-17		JC52345-18		JC52345-10		JC52345-34		JC52345-35	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	4.6	U	0.96	U	0.0062	U	0.0085		0.027		0.015	U
Benzene	*71-43-2*	*0.255*	--	0.077	U	0.016	U	0.0001	U	0.000069	U	0.00024	U	0.00024	U
Bromochloromethane	*74-97-5*	--	--	0.31	U	0.065	U	0.00042	U	0.00028	U	0.00099	U	0.00099	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.18	U	0.036	U	0.00023	U	0.00016	U	0.00055	U	0.00055	U
Bromoform	*75-25-2*	*15.9*	--	0.23	U	0.047	U	0.0003	U	0.0002	U	0.00071	U	0.00071	U
Bromomethane	*74-83-9*	*0.235*	--	0.51	U	0.11	U	0.00068	U	0.00045	U	0.0016	U	0.0016	U
2-Butanone (MEK)	*78-93-3*	--	--	3.8	U	0.78	U	0.005	U	0.0034	U	0.012	U	0.012	U
Carbon Disulfide	*75-15-0*	--	--	0.44	U	0.092	U	0.00059	U	0.00039	U	0.0014	U	0.0014	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.47	U	0.097	U	0.00063	U	0.00042	U	0.0015	U	0.0015	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.21	U	0.043	U	0.00028	U	0.00019	U	0.00066	U	0.00066	U
Chloroethane	*75-00-3*	--	--	0.65	U	0.14	U	0.00087	U	0.00058	U	0.0021	U	0.0021	U
Chloroform	*67-66-3*	*1.19*	--	0.23	U	0.048	U	0.00031	U	0.00021	U	0.00074	U	0.00074	U
Chloromethane	*74-87-3*	--	--	0.71	U	0.15	U	0.00095	U	0.00064	U	0.0022	U	0.0022	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.29	U	0.06	U	0.00039	U	0.00026	U	0.00092	U	0.00092	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.28	U	0.058	U	0.00037	U	0.00025	U	0.00087	U	0.00087	U
Cyclohexane	*110-82-7*	--	--	0.25	U	0.051	U	0.00033	U	0.00022	U	0.00078	U	0.00078	U
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.49	U	0.1	U	0.00065	U	0.00043	U	0.0015	U	0.0015	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.28	U	0.057	U	0.00037	U	0.00025	U	0.00087	U	0.00087	U
1,2-Dibromoethane	*106-93-4*	--	--	0.18	U	0.037	U	0.00024	U	0.00016	U	0.00056	U	0.00056	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.37	U	0.077	U	0.0005	U	0.00033	U	0.0012	U	0.0012	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.21	U	0.043	U	0.00028	U	0.00019	U	0.00065	U	0.00065	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.35	U	0.072	U	0.00046	U	0.00031	U	0.0011	U	0.0011	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.44	U	0.091	U	0.00059	U	0.00039	U	0.0014	U	0.0014	U
1,1-Dichloroethane	*75-34-3*	--	--	0.19	U	0.039	U	0.00025	U	0.00017	U	0.00059	U	0.00059	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.13	U	0.027	U	0.00017	U	0.00012	U	0.00041	U	0.00041	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.51	U	0.11	U	0.00068	U	0.00046	U	0.0016	U	0.0016	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.29	U	0.06	U	0.00038	U	0.00026	U	0.0009	U	0.0009	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	**22.1**		0.043	U	0.00028	U	0.00019	U	0.00066	U	0.00066	U
2-Hexanone	*591-78-6*	--	--	2.0	U	0.42	U	0.0027	U	0.0018	U	0.0064	U	0.0064	U
Isopropylbenzene	*98-82-8*	--	--	12.3		0.76		0.00024	U	0.00016	U	0.00056	U	0.00056	U
Methyl Acetate	*79-20-9*	--	--	1.8	U	0.38	U	0.0024	U	0.0016	U	0.0058	U	0.0058	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.31	U	0.064	U	0.00041	U	0.00028	U	0.00097	U	0.00097	U

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P51:3 1/2-4'		P52: 0-1/2'		P52: 7-8'		P53: 4-4 1/2'		P54: 0-1/2'		P54: 1/2-1'	
			Date Sampled:	10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	3.5-4		0-0.5		7-8		4-4.5		0-0.5		0.5-1	
			LAB Sample ID:	JC52433-2		JC52345-17		JC52345-18		JC52345-10		JC52345-34		JC52345-35	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	1.3	U	0.27	U	0.0017	U	0.0012	U	0.0041	U	0.0041	U
Methylcyclohexane	*108-87-2*	--	--	13.7		0.082	U	0.00053	U	0.00035	U	0.0012	U	0.0012	U
Methylene chloride	*75-09-2*	*4.05*	--	1.8	U	0.38	U	0.0024	U	0.0016	U	0.0057	U	0.0057	U
Styrene	*100-42-5*	*4.69*	*300*	0.36	U	0.074	U	0.00048	U	0.00032	U	0.0011	U	0.0011	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.18	U	0.038	U	0.00024	U	0.00016	U	0.00058	U	0.00058	U
Tetrachloroethene	*127-18-4*	*9.92*	--	1.2	J	0.096	U	0.00061	U	0.00041	U	0.0015	U	0.0015	U
Toluene	*108-88-3*	*200*	--	0.40	U	0.082	U	0.00053	U	0.00035	U	0.0012	U	0.0012	U
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.42	U	0.088	U	0.00056	U	0.00038	U	0.0013	U	0.0013	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.17	U	0.036	U	0.00023	U	0.00015	U	0.00054	U	0.00054	U
Freon 113	*76-13-1*	--	--	0.49	U	0.1	U	0.00065	U	0.00044	U	0.0015	U	0.0015	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.72	U	0.15	U	0.00096	U	0.00065	U	0.0023	U	0.0023	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.42	U	0.087	U	0.00056	U	0.00038	U	0.0013	U	0.0013	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.30	U	0.063	U	0.0004	U	0.00027	U	0.00096	U	0.00096	U
Trichloroethene	*79-01-6*	*12.4*	--	0.40	U	0.082	U	0.00053	U	0.00035	U	0.0012	U	0.0012	U
Trichlorofluoromethane	*75-69-4*	--	--	0.35	U	0.072	U	0.00046	U	0.00031	U	0.0011	U	0.0011	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.72	U	0.15	U	0.00096	U	0.00065	U	0.0023	U	0.0023	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.55	U	0.11	U	0.00074	U	0.00049	U	0.0017	U	0.0017	U
m,p-Xylene	*179601-23-1*	--	--	161		0.082	U	0.00053	U	0.00035	U	0.0012	U	0.0012	U
o-Xylene	*95-47-6*	--	--	26.2		0.038	U	0.00024	U	0.00016	U	0.00057	U	0.00057	U
Xylenes (total)	*1330-20-7*	*10*	--	**187.2**		0.038	U	0.00024	U	0.00016	U	0.00057	U	0.00057	U
Total VOC TIC	*SRP170*	--	--	1190	J	29.6	J	ND		ND		ND		ND	

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P55: 0-4		P56: 3-3 1/2'		P57: 3 1/2-4'		P60:0- 1/2'		P60:1 1/2-2'		P70: 3 1/2-4'	
			Date Sampled:	10/3/2017		10/3/2017		10/3/2017		10/4/2017		10/4/2017		10/3/2017	
			Depth (ft):	0-0.33		3-3.5		3.5-4		0-0.5		1.5-2		3.5-4	
			LAB Sample ID:	JC52345-36		JC52345-3		JC52345-4		JC52433-18		JC52433-19		JC52345-21	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.017		0.0065	J	0.0063	U	0.0085	U	0.021		50	U
Benzene	*71-43-2*	*0.255*	--	0.00017	U	0.000092	U	0.00011	U	0.00014	U	0.043		**33.8**	
Bromochloromethane	*74-97-5*	--	--	0.00069	U	0.00038	U	0.00043	U	0.00058	U	0.00047	U	3.4	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.00039	U	0.00021	U	0.00024	U	0.00032	U	0.00027	U	1.9	U
Bromoform	*75-25-2*	*15.9*	--	0.0005	U	0.00027	U	0.00031	U	0.00041	U	0.00034	U	2.4	U
Bromomethane	*74-83-9*	*0.235*	--	0.0011	U	0.00061	U	0.00069	U	0.00093	U	0.00077	U	5.4	U
2-Butanone (MEK)	*78-93-3*	--	--	0.0083	U	0.0045	U	0.0052	U	0.0070	U	0.0057	U	40	U
Carbon Disulfide	*75-15-0*	--	--	0.00097	U	0.00053	U	0.0006	U	0.00081	U	0.00067	U	4.7	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.001	U	0.00056	U	0.00064	U	0.00086	U	0.00071	U	5	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.00046	U	0.00025	U	0.00028	U	0.00038	U	0.00031	U	2.2	U
Chloroethane	*75-00-3*	--	--	0.0014	U	0.00078	U	0.00089	U	0.0012	U	0.00098	U	7	U
Chloroform	*67-66-3*	*1.19*	--	0.00052	U	0.00028	U	0.00032	U	0.00043	U	0.00035	U	2.5	U
Chloromethane	*74-87-3*	--	--	0.0016	U	0.00085	U	0.00097	U	0.0013	U	0.0011	U	7.6	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.00064	U	0.00035	U	0.0004	U	0.00053	U	0.00044	U	3.1	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.00061	U	0.00033	U	0.00038	U	0.00051	U	0.00042	U	3	U
Cyclohexane	*110-82-7*	--	--	0.00055	U	0.0003	U	0.00034	U	0.00046	U	0.018		71.7	
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.0011	U	0.00058	U	0.00067	U	0.00090	U	0.00073	U	5.2	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.00061	U	0.00033	U	0.00038	U	0.00051	U	0.00042	U	2.9	U
1,2-Dibromoethane	*106-93-4*	--	--	0.00039	U	0.00021	U	0.00024	U	0.00033	U	0.00027	U	1.9	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.00082	U	0.00045	U	0.00051	U	0.00069	U	0.00056	U	4	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.00046	U	0.00025	U	0.00028	U	0.00038	U	0.00031	U	2.2	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.00076	U	0.00041	U	0.00047	U	0.00064	U	0.00052	U	*3.7*	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.00097	U	0.00053	U	0.0006	U	0.00081	U	0.00066	U	4.7	U
1,1-Dichloroethane	*75-34-3*	--	--	0.00041	U	0.00022	U	0.00026	U	0.00034	U	0.00028	U	2	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.00029	U	0.00016	U	0.00018	U	0.00024	U	0.00020	U	1.4	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.0011	U	0.00061	U	0.0007	U	0.00094	U	0.00077	U	5.5	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.00063	U	0.00034	U	0.00039	U	0.00053	U	0.00043	U	3.1	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	0.00046	U	0.00025	U	0.00029	U	0.00045	J	0.036		**786**	
2-Hexanone	*591-78-6*	--	--	0.0045	U	0.0024	U	0.0028	U	0.0037	U	0.0030	U	22	U
Isopropylbenzene	*98-82-8*	--	--	0.0015	J	0.00021	U	0.00025	U	0.00033	U	0.0034		226	
Methyl Acetate	*79-20-9*	--	--	0.004	U	0.0046		0.0025	U	0.0034	U	0.0028	U	20	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.00068	U	0.00037	U	0.00042	U	0.00057	U	0.00047	U	3.3	U

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P55: 0-4		P56: 3-3 1/2'		P57: 3 1/2-4'		P60:0- 1/2'		P60:1 1/2-2'		P70: 3 1/2-4'	
				Date Sampled:		10/3/2017		10/3/2017		10/3/2017		10/4/2017		10/4/2017		10/3/2017	
				Depth (ft):		0-0.33		3-3.5		3.5-4		0-0.5		1.5-2		3.5-4	
				LAB Sample ID:		JC52345-36		JC52345-3		JC52345-4		JC52433-18		JC52433-19		JC52345-21	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.0029	U	0.0016	U	0.0018	U	0.0024	U	0.0020	U	14	U		
Methylcyclohexane	*108-87-2*	--	--	0.00087	U	0.00047	U	0.00054	U	0.00073	U	0.058		417			
Methylene chloride	*75-09-2*	*4.05*	--	0.004	U	0.0022	U	0.0025	U	0.0033	U	0.0027	U	19	U		
Styrene	*100-42-5*	*4.69*	*300*	0.00079	U	0.00043	U	0.00049	U	0.00066	U	0.00054	U	3.8	U		
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.00041	U	0.00022	U	0.00025	U	0.00034	U	0.00028	U	2	U		
Tetrachloroethene	*127-18-4*	*9.92*	--	0.001	U	0.00055	U	0.00063	U	0.00085	U	0.00069	U	4.9	U		
Toluene	*108-88-3*	*200*	--	0.00087	U	0.00047	U	0.00054	U	0.00073	U	0.0029		11.4			
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.00093	U	0.0005	U	0.00058	U	0.00078	U	0.00064	U	4.5	U		
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.00038	U	0.0002	U	0.00023	U	0.00032	U	0.00026	U	1.8	U		
Freon 113	*76-13-1*	--	--	0.0011	U	0.00058	U	0.00067	U	0.00090	U	0.00074	U	5.2	U		
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.0016	U	0.00086	U	0.00099	U	0.0013	U	0.0011	U	7.7	U		
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.00093	U	0.0005	U	0.00057	U	0.00077	U	0.00063	U	4.5	U		
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.00067	U	0.00036	U	0.00042	U	0.00056	U	0.00046	U	3.2	U		
Trichloroethene	*79-01-6*	*12.4*	--	0.00087	U	0.00047	U	0.00054	U	0.00073	U	0.00060	U	4.2	U		
Trichlorofluoromethane	*75-69-4*	--	--	0.00077	U	0.00041	U	0.00047	U	0.00064	U	0.00052	U	3.7	U		
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.0016	U	0.00086	U	0.00099	U	0.0013	U	0.0011	U	7.7	U		
Vinyl Chloride	*75-01-4*	*0.646*	--	0.0012	U	0.00066	U	0.00076	U	0.0010	U	0.00083	U	5.9	U		
m,p-Xylene	*179601-23-1*	--	--	0.00087	U	0.00047	U	0.00054	U	0.0011	J	0.14		2990			
o-Xylene	*95-47-6*	--	--	0.0004	U	0.00022	U	0.00025	U	0.00033	U	0.014		151			
Xylenes (total)	*1330-20-7*	*10*	--	0.0004	U	0.00022	U	0.00025	U	0.0011	J	0.154		**3141**			
Total VOC TIC	*SRP170*	--	--	ND		ND		ND		ND		0.11	J	15900	J		

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NA = Not Analyzed
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MDL = Method Detection Limit
U = Compound not detected above MDL
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Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P77		P77		P78:2 1/2'		P99		P100		P109: 10-10 1/2'	
			Date Sampled:	2/21/2018		2/21/2018		2/20/2018		2/21/2018		2/21/2018		5/25/2018	
			Depth (ft):	2-2.5		2-2.5		2.5-2.5		0-0.25		0-0.25		10-10.5	
			LAB Sample ID:	JC61183-5		JC61183-3		JC61097-1		JC61183-17		JC61183-18		JC66860-30	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acetone	*67-64-1*	--	--	0.012		0.013		0.0068	U	0.0061	U	0.0071	U	0.86	U
Benzene	*71-43-2*	*0.255*	--	0.018		0.00011	U	0.00011	U	0.0001	U	0.00012	U	**0.9**	
Bromochloromethane	*74-97-5*	--	--	0.00039	U	0.00045	U	0.00046	U	0.00042	U	0.00048	U	0.058	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.00022	U	0.00025	U	0.00026	U	0.00023	U	0.00027	U	0.033	U
Bromoform	*75-25-2*	*15.9*	--	0.00028	U	0.00032	U	0.00033	U	0.0003	U	0.00035	U	0.042	U
Bromomethane	*74-83-9*	*0.235*	--	0.00063	U	0.00073	U	0.00074	U	0.00067	U	0.00078	U	0.094	U
2-Butanone (MEK)	*78-93-3*	--	--	0.0047	U	0.0054	U	0.0055	U	0.005	U	0.0058	U	0.70	U
Carbon Disulfide	*75-15-0*	--	--	0.00055	U	0.00063	U	0.00065	U	0.00058	U	0.00068	U	0.082	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.00058	U	0.00067	U	0.00069	U	0.00062	U	0.00072	U	0.087	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.00026	U	0.0003	U	0.00031	U	0.00028	U	0.00032	U	0.039	U
Chloroethane	*75-00-3*	--	--	0.00081	U	0.00094	U	0.00096	U	0.00086	U	0.001	U	0.12	U
Chloroform	*67-66-3*	*1.19*	--	0.00029	U	0.00033	U	0.00034	U	0.00031	U	0.00036	U	0.043	U
Chloromethane	*74-87-3*	--	--	0.00088	U	0.001	U	0.0010	U	0.00094	U	0.0011	U	0.13	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.00036	U	0.00042	U	0.00043	U	0.00038	U	0.00045	U	0.054	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.00034	U	0.0004	U	0.00041	U	0.00037	U	0.00043	U	0.052	U
Cyclohexane	*110-82-7*	--	--	0.00063	J	0.00036	U	0.00036	U	0.00033	U	0.00038	U	2.7	
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.0006	U	0.0007	U	0.00071	U	0.00064	U	0.00075	U	0.090	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.00034	U	0.00039	U	0.00040	U	0.00036	U	0.00042	U	0.051	U
1,2-Dibromoethane	*106-93-4*	--	--	0.00022	U	0.00025	U	0.00026	U	0.00023	U	0.00027	U	0.033	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.00046	U	0.00053	U	0.00055	U	0.00049	U	0.00057	U	0.069	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.00026	U	0.0003	U	0.00030	U	0.00027	U	0.00032	U	0.039	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.00043	U	0.0005	U	0.00051	U	0.00046	U	0.00053	U	0.064	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.00054	U	0.00063	U	0.00064	U	0.00058	U	0.00068	U	0.082	U
1,1-Dichloroethane	*75-34-3*	--	--	0.00023	U	0.00027	U	0.00027	U	0.00025	U	0.00029	U	0.035	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.0014		0.00019	U	0.00019	U	0.00017	U	0.0002	U	0.024	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.00063	U	0.00073	U	0.00075	U	0.00068	U	0.00079	U	0.095	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.00036	U	0.00041	U	0.00042	U	0.00038	U	0.00044	U	0.053	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	*5.16*	--	0.00026	U	0.0003	U	0.00031	U	0.00028	U	0.00032	U	**35.9**	
2-Hexanone	*591-78-6*	--	--	0.0025	U	0.0029	U	0.0030	U	0.0027	U	0.0031	U	0.38	U
Isopropylbenzene	*98-82-8*	--	--	0.00022	U	0.00026	U	0.00026	U	0.00024	U	0.00028	U	5.2	
Methyl Acetate	*79-20-9*	--	--	0.0023	U	0.0026	U	0.0027	U	0.0024	U	0.0028	U	0.34	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.00055	J	0.00044	U	0.00045	U	0.00041	U	0.00048	U	0.058	U

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			Sample No.:	P77		P77		P78:2 1/2'		P99		P100		P109: 10-10 1/2'	
			Date Sampled:	2/21/2018		2/21/2018		2/20/2018		2/21/2018		2/21/2018		5/25/2018	
			Depth (ft):	2-2.5		2-2.5		2.5-2.5		0-0.25		0-0.25		10-10.5	
			LAB Sample ID:	JC61183-5		JC61183-3		JC61097-1		JC61183-17		JC61183-18		JC66860-30	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.0016	U	0.0019	U	0.0019	U	0.0017	U	0.002	U	0.24	U
Methylcyclohexane	*108-87-2*	--	--	0.0005	J	0.00057	U	0.00058	U	0.00052	U	0.00061	U	10.7	
Methylene chloride	*75-09-2*	*4.05*	--	0.0037	J	0.0045	J	0.0027	U	0.0052		0.0028	U	0.34	U
Styrene	*100-42-5*	*4.69*	*300*	0.00044	U	0.00051	U	0.00053	U	0.00047	U	0.00055	U	0.067	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.00023	U	0.00026	U	0.00027	U	0.00024	U	0.00028	U	0.034	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.00057	U	0.00066	U	0.00068	U	0.00061	U	0.00071	U	0.086	U
Toluene	*108-88-3*	*200*	--	0.00049	U	0.00057	U	0.00058	U	0.00052	U	0.00061	U	0.91	
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.00052	U	0.00061	U	0.00062	U	0.00056	U	0.00065	U	0.078	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.00021	U	0.00025	U	0.00025	U	0.00023	U	0.00026	U	0.032	U
Freon 113	*76-13-1*	--	--	0.0006	U	0.0007	U	0.00071	U	0.00064	U	0.00075	U	0.091	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.00089	U	0.001	U	0.0011	U	0.00096	U	0.0011	U	0.13	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.00052	U	0.0006	U	0.00062	U	0.00056	U	0.00065	U	0.078	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.00038	U	0.00044	U	0.00045	U	0.0004	U	0.00047	U	0.056	U
Trichloroethene	*79-01-6*	*12.4*	--	0.00049	U	0.00057	U	0.00058	U	0.00052	U	0.00061	U	0.074	U
Trichlorofluoromethane	*75-69-4*	--	--	0.00043	U	0.0005	U	0.00051	U	0.00046	U	0.00053	U	0.065	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.00089	U	0.001	U	0.0011	U	0.00096	U	0.0011	U	0.13	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.00068	U	0.00079	U	0.00081	U	0.00073	U	0.00085	U	0.10	U
m,p-Xylene	*179601-23-1*	--	--	0.00049	U	0.00057	U	0.00058	U	0.00052	U	0.00061	U	180	
o-Xylene	*95-47-6*	--	--	0.00022	U	0.00026	U	0.00027	U	0.00024	U	0.00028	U	44.3	
Xylenes (total)	*1330-20-7*	*10*	--	0.00022	U	0.00026	U	0.00027	U	0.00024	U	0.00028	U	**224.3**	
Total VOC TIC	*SRP170*	--	--	ND		ND		ND		ND		ND		15	J

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Table 1-1
Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

Sample No.:	P109: 17-17 1/2'
Date Sampled:	5/25/2018
Depth (ft):	17-17.5
LAB Sample ID:	JC66860-31
LAB:	Accutest

Parameter (mg/kg)	CAS No.	LSSL	USSL		
Acetone	*67-64-1*	--	--	0.62	U
Benzene	*71-43-2*	*0.255*	--	**0.46**	
Bromochloromethane	*74-97-5*	--	--	0.042	U
Bromodichloromethane	*75-27-4*	*0.54*	--	0.023	U
Bromoform	*75-25-2*	*15.9*	--	0.030	U
Bromomethane	*74-83-9*	*0.235*	--	0.068	U
2-Butanone (MEK)	*78-93-3*	--	--	0.50	U
Carbon Disulfide	*75-15-0*	--	--	0.059	U
Carbon tetrachloride	*56-23-5*	*2.98*	--	0.062	U
Chlorobenzene	*108-90-7*	*13.1*	*40*	0.028	U
Chloroethane	*75-00-3*	--	--	0.087	U
Chloroform	*67-66-3*	*1.19*	--	0.031	U
Chloromethane	*74-87-3*	--	--	0.095	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.039	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.037	U
Cyclohexane	*110-82-7*	--	--	0.079	J
1,2-Dibromo-3-chloropropane	*96-12-8*	--	--	0.065	U
Dibromochloromethane	*124-48-1*	*2.05*	--	0.037	U
1,2-Dibromoethane	*106-93-4*	--	--	0.024	U
1,2-Dichlorobenzene	*95-50-1*	*2.96*	--	0.050	U
1,3-Dichlorobenzene	*541-73-1*	*37.7*	--	0.028	U
1,4-Dichlorobenzene	*106-46-7*	*0.546*	*20*	0.046	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.058	U
1,1-Dichloroethane	*75-34-3*	--	--	0.025	U
1,2-Dichloroethane	*107-06-2*	*21.2*	--	0.017	U
1,1-Dichloroethene	*75-35-4*	*8.28*	--	0.068	U
1,2-Dichloropropane	*78-87-5*	*32.7*	--	0.038	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND	
Ethylbenzene	*100-41-4*	*5.16*	--	1.1	
2-Hexanone	*591-78-6*	--	--	0.27	U
Isopropylbenzene	*98-82-8*	--	--	0.18	J
Methyl Acetate	*79-20-9*	--	--	0.24	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	--	--	0.041	U

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Summary of Volatile Organic Compounds (VOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

Sample No.:	P109: 17-17 1/2'
Date Sampled:	5/25/2018
Depth (ft):	17-17.5
LAB Sample ID:	JC66860-31
LAB:	Accutest

Parameter (mg/kg)	CAS No.	LSSL	USSL		
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	0.17	U
Methylcyclohexane	*108-87-2*	--	--	0.31	
Methylene chloride	*75-09-2*	*4.05*	--	0.24	U
Styrene	*100-42-5*	*4.69*	*300*	0.048	U
1,1,2,2-Tetrachloroethane	*79-34-5*	*0.127*	--	0.024	U
Tetrachloroethene	*127-18-4*	*9.92*	--	0.061	U
Toluene	*108-88-3*	*200*	--	0.053	U
trans-1,2-Dichloroethene	*156-60-5*	*0.784*	--	0.056	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.023	U
Freon 113	*76-13-1*	--	--	0.065	U
1,2,3-Trichlorobenzene	*87-61-6*	*20*	--	0.096	U
1,1,1-Trichloroethane	*71-55-6*	*29.8*	--	0.056	U
1,1,2-Trichloroethane	*79-00-5*	*28.6*	--	0.040	U
Trichloroethene	*79-01-6*	*12.4*	--	0.053	U
Trichlorofluoromethane	*75-69-4*	--	--	0.046	U
1,2,4-Trichlorobenzene	*120-82-1*	*20*	--	0.096	U
Vinyl Chloride	*75-01-4*	*0.646*	--	0.074	U
m,p-Xylene	*179601-23-1*	--	--	5.7	
o-Xylene	*95-47-6*	--	--	1.2	
Xylenes (total)	*1330-20-7*	*10*	--	6.9	
Total VOC TIC	*SRP170*	--	--	7.2	J

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TABLE 1-2

Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil

Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P3:4 1/2-5'		P8:6'		P8:12'		P10:0-1'		P10:3'		P17:4'	
			Date Sampled:	4/27/2017		5/8/2017		5/8/2017		5/9/2017		5/9/2017		4/28/2017	
			Depth (ft):	4.5-5		6-6		12-12		0-1		3-3		4-4	
			LAB Sample ID:	JC42109-4		JC42929-24		JC42929-25		JC42929-30R		JC42929-31R		JC42231-19	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		NA		0.92		0.14		0.13	
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		NA		0.076		0.075		0.020	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		0.0079	U	0.0082	U	0.0085	U
Anthracene	*120-12-7*	*1480*	--	NA		NA		NA		2.6		0.24		0.052	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		0.03	U	0.03	U	0.030	U
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		0.016	U	0.016	U	0.016	U
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		0.023	U	0.023	U	0.023	U
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		0.019	U	0.019	U	0.019	U
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		0.022	U	0.022	U	0.022	U
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		0.017	U	0.017	U	0.017	U
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		0.027	U	0.027	U	0.027	U
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		0.019	U	0.019	U	0.019	U
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		0.016	U	0.016	U	0.016	U
Atrazine	*1912-24-9*	--	--	NA		NA		NA		0.016	U	0.016	U	0.017	U
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		0.0091	U	0.0094	U	0.0098	U
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		NA		**9.3**		0.45		0.053	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		NA		**8.1**		0.57		0.07	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		NA		11.3		0.6		0.07	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		NA		7.3		0.4		0.037	J
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		NA		3.2		0.19		0.02	J
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		0.041	J	0.17		0.41	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		0.0079	U	0.0082	U	0.0085	U
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		0.016	U	0.016	U	0.017	U
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		0.013	U	0.014	U	0.014	U
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		**1.1**		0.86		0.34	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		0.014	U	0.015	U	0.015	U
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		0.009	U	0.0093	U	0.0097	U
Caprolactam	*105-60-2*	--	--	NA		NA		NA		0.015	U	0.015	U	0.016	U
Carbazole	*86-74-8*	--	--	NA		NA		NA		1.8		0.08		0.047	J
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		0.0088	U	0.0091	U	0.0094	U
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		0.012	U	0.012	U	0.013	U

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J = Estimated value below sample reporting limit
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U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P3:4 1/2-5'		P8:6'		P8:12'		P10:0-1'		P10:3'		P17:4'	
				Date Sampled:	4/27/2017		5/8/2017		5/8/2017		5/9/2017		5/9/2017		4/28/2017	
				Depth (ft):	4.5-5		6-6		12-12		0-1		3-3		4-4	
				LAB Sample ID:	JC42109-4		JC42929-24		JC42929-25		JC42929-30R		JC42929-31R		JC42231-19	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***													
Chrysene	*218-01-9*	*4.73*	*--*	NA		NA		NA		**8.1**		0.6		0.064	
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	*--*	NA		NA		NA		1.5		0.07		0.018	U
Dibenzofuran	*132-64-9*	*--*	*--*	NA		NA		NA		0.41		0.1		0.016	U
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	*--*	NA		NA		NA		0.031	U	0.032	U	0.033	U
2,4-Dichlorophenol	*120-83-2*	*87.5*	*--*	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		0.0078	U	0.0081	U	0.0084	U
2,4-Dimethyl phenol	*105-67-9*	*0.01*	*--*	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	*--*	*--*	NA		NA		NA		0.0066	U	0.0068	U	0.0071	U
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		0.006	U	0.0062	U	0.0065	U
4,6-Dinitro-2-methylphenol	*534-52-1*	*--*	*--*	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	*--*	*--*	NA		NA		NA		ND		ND		ND	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	*--*	NA		NA		NA		0.011	U	0.012	U	0.012	U
2,6-Dinitrotoluene	*606-20-2*	*--*	*--*	NA		NA		NA		0.018	U	0.019	U	0.020	U
Di-n-octyl phthalate	*117-84-0*	*--*	*--*	NA		NA		NA		0.0092	U	0.0095	U	0.0099	U
1,4-Dioxane	*123-91-1*	*--*	*--*	NA		NA		NA		0.024	U	0.025	U	0.026	U
Fluoranthene	*206-44-0*	*122*	*--*	NA		NA		NA		13.7		1.1		0.18	
Fluorene	*86-73-7*	*122*	*--*	NA		NA		NA		0.63		0.26		0.17	
Hexachlorobenzene	*118-74-1*	*0.199*	*--*	NA		NA		NA		0.0093	U	0.0096	U	0.010	U
Hexachlorobutadiene	*87-68-3*	*0.0398*	*--*	NA		NA		NA		0.015	U	0.015	U	0.016	U
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		0.015	U	0.015	U	0.016	U
Hexachloroethane	*67-72-1*	*0.596*	*--*	NA		NA		NA		0.018	U	0.019	U	0.020	U
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		**<u>76.4</u>**		**4.05**		0.499	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	*--*	NA		NA		NA		7.3		0.3		0.035	J
Isophorone	*78-59-1*	*139*	*--*	NA		NA		NA		0.0079	U	0.0082	U	0.0085	U
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	ND		ND		2.3		28.586		8.715		**47.902**	
2-Methylnaphthalene	*91-57-6*	*3.24*	*--*	0.039	U	NA		NA		0.11		**4**		**23.3**	
2-Methylphenol	*95-48-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	*--*	0.022	U	0.00090	U	**2.3**		**0.25**		**1.7**		**23.8**	
2-Nitroaniline	*88-74-4*	*--*	*--*	NA		NA		NA		0.0087	U	0.009	U	0.0094	U
3-Nitroaniline	*99-09-2*	*--*	*--*	NA		NA		NA		0.0092	U	0.0095	U	0.0099	U
4-Nitroaniline	*100-01-6*	*--*	*--*	NA		NA		NA		0.0095	U	0.0099	U	0.010	U

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P3:4 1/2-5'		P8:6'		P8:12'		P10:0-1'		P10:3'		P17:4'	
			Date Sampled:	4/27/2017		5/8/2017		5/8/2017		5/9/2017		5/9/2017		4/28/2017	
			Depth (ft):	4.5-5		6-6		12-12		0-1		3-3		4-4	
			LAB Sample ID:	JC42109-4		JC42929-24		JC42929-25		JC42929-30R		JC42929-31R		JC42231-19	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		0.014	U	0.015	U	0.015	U
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		0.011	U	0.011	U	0.011	U
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		0.013	U	0.014	U	0.015	U
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		0.013	U	0.014	U	0.014	U
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA		10.3		1.2		0.27	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA		20.3		0.87		0.15	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		0.0094	U	0.0097	U	0.010	U
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	ND		ND		2.3		104.986		12.765		48.401	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		ND		ND		ND	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		18.4	J	26.5	J	83	J
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		18.437		26.87		123.1	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P17:9'		P18:4-4 1/2'		P19:5'		P20:5'		P22:0-6		P28:3 1/2'	
			Date Sampled:	4/28/2017		5/9/2017		5/8/2017		5/8/2017		5/8/2017		5/9/2017	
			Depth (ft):	9-9		4-4.5		5-5		5-5		0-0.5		3.5-3.5	
			LAB Sample ID:	JC42231-20		JC42929-34R		JC42929-13R		JC42929-22R		JC42929-49R		JC42929-47	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	0.017	J	0.026	U	NA		0.014	U	0.058	U	NA	
Acenaphthylene	*208-96-8*	*682*	--	0.019	U	0.023	U	NA		0.02	U	0.085	U	NA	
Acetophenone	*98-86-2*	--	--	0.0080	U	NA		NA		0.0085	U	0.036	U	NA	
Anthracene	*120-12-7*	*1480*	--	0.023	U	0.023	U	NA		0.024	U	0.14	J	NA	
Aroclor 1016	*12674-11-2*	--	--	0.030	U	NA		NA		0.031	U	0.059	U	NA	
Aroclor 1221	*11104-28-2*	--	--	0.016	U	NA		NA		0.017	U	0.032	U	NA	
Aroclor 1232	*11141-16-5*	--	--	0.023	U	NA		NA		0.024	U	0.046	U	NA	
Aroclor 1242	*53469-21-9*	--	--	0.019	U	NA		NA		0.02	U	0.037	U	NA	
Aroclor 1248	*12672-29-6*	--	--	0.022	U	NA		NA		0.023	U	0.044	U	NA	
Aroclor 1254	*11097-69-1*	--	--	0.017	U	NA		NA		0.018	U	0.034	U	NA	
Aroclor 1260	*11096-82-5*	--	--	0.028	U	NA		NA		0.029	U	0.055	U	NA	
Aroclor 1262	*37324-23-5*	--	--	0.020	U	NA		NA		0.02	U	0.039	U	NA	
Aroclor 1268	*11100-14-4*	--	--	0.017	U	NA		NA		0.017	U	0.033	U	NA	
Atrazine	*1912-24-9*	--	--	0.016	U	NA		NA		0.017	U	0.072	U	NA	
Benzaldehyde	*100-52-7*	--	--	0.0092	U	NA		NA		0.0098	U	0.041	U	NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	0.017	U	0.04	U	NA		0.018	U	0.92		NA	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	0.017	J	0.032	U	NA		0.011	U	0.7		NA	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	0.017	J	0.049	U	NA		0.017	U	1.3		NA	
Benzo(ghi)perylene	*191-24-2*	*119*	--	0.019	U	0.062	U	NA		0.02	U	0.95		NA	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.017	U	0.049	U	NA		0.018	U	0.45		NA	
1,1-Biphenyl	*92-52-4*	*60*	--	0.064	J	NA		NA		0.0054	U	0.023	U	NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	0.0079	U	NA		NA		0.0084	U	0.036	U	NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	0.016	U	NA		NA		0.017	U	0.072	U	NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	0.013	U	NA		NA		0.014	U	0.06	U	NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	0.15		NA		NA		0.0092	U	0.51		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	0.014	U	NA		NA		0.015	U	0.065	U	NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	0.0091	U	NA		NA		0.0096	U	0.041	U	NA	
Caprolactam	*105-60-2*	--	--	0.015	U	NA		NA		0.016	U	0.066	U	NA	
Carbazole	*86-74-8*	--	--	0.0054	U	NA		NA		0.0057	U	0.12	J	NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	0.0088	U	NA		NA		0.0094	U	0.04	U	NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	0.012	U	NA		NA		0.013	U	0.054	U	NA	
Chrysene	*218-01-9*	*4.73*	--	0.012	U	0.034	U	NA		0.012	U	0.9		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P17:9'		P18:4-4 1/2'		P19:5'		P20:5'		P22:0-6		P28:3 1/2'	
				Date Sampled:	4/28/2017		5/9/2017		5/8/2017		5/8/2017		5/8/2017		5/9/2017	
				Depth (ft):	9-9		4-4.5		5-5		5-5		0-0.5		3.5-3.5	
				LAB Sample ID:	JC42231-20		JC42929-34R		JC42929-13R		JC42929-22R		JC42929-49R		JC42929-47	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***													
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--		0.016	U	0.04	U	NA		0.017	U	0.18		NA	
Dibenzofuran	*132-64-9*	--	--		0.015	U	NA		NA		0.016	U	0.068	U	NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--		0.031	U	NA		NA		0.033	U	0.14	U	NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--		NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*		0.0079	U	NA		NA		0.0084	U	0.036	U	NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--		NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--		0.0066	U	NA		NA		0.007	U	0.03	U	NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*		0.0060	U	NA		NA		0.0064	U	0.027	U	NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--		NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*		NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--		ND		NA		NA		ND		ND		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--		0.012	U	NA		NA		0.012	U	0.052	U	NA	
2,6-Dinitrotoluene	*606-20-2*	--	--		0.019	U	NA		NA		0.02	U	0.084	U	NA	
Di-n-octyl phthalate	*117-84-0*	--	--		0.0092	U	NA		NA		0.0098	U	0.042	U	NA	
1,4-Dioxane	*123-91-1*	--	--		0.025	U	NA		NA		0.026	U	0.11	U	NA	
Fluoranthene	*206-44-0*	*122*	--		0.028	J	0.023	U	NA		0.018	U	1.4		NA	
Fluorene	*86-73-7*	*122*	--		0.025	J	0.029	U	NA		0.018	U	0.077	U	NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--		0.0094	U	NA		NA		0.01	U	0.042	U	NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--		0.015	U	NA		NA		0.016	U	0.067	U	NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*		0.015	U	NA		NA		0.016	U	0.067	U	NA	
Hexachloroethane	*67-72-1*	*0.596*	--		0.018	U	NA		NA		0.019	U	0.083	U	NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*		0.061		ND		NA		ND		**7.91**		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--		0.017	U	0.06	U	NA		0.018	U	0.91		NA	
Isophorone	*78-59-1*	*139*	--		0.0079	U	NA		NA		0.0084	U	0.036	U	NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*		7.214		9.5		ND		ND		2.16		ND	
2-Methylnaphthalene	*91-57-6*	*3.24*	--		**3.6**		NA		NA		0.0089	U	0.038	U	NA	
2-Methylphenol	*95-48-7*	--	--		NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--		NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--		**3.5**		**9.5**		0.00099	U	0.011	U	0.02		0.00098	U
2-Nitroaniline	*88-74-4*	--	--		0.0088	U	NA		NA		0.0093	U	0.039	U	NA	
3-Nitroaniline	*99-09-2*	--	--		0.0093	U	NA		NA		0.0098	U	0.042	U	NA	
4-Nitroaniline	*100-01-6*	--	--		0.0096	U	NA		NA		0.01	U	0.043	U	NA	
Nitrobenzene	*98-95-3*	*1.31*	--		0.014	U	NA		NA		0.015	U	0.065	U	NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P17:9'		P18:4-4 1/2'		P19:5'		P20:5'		P22:0-6		P28:3 1/2'	
				Date Sampled:	4/28/2017		5/9/2017		5/8/2017		5/8/2017		5/8/2017		5/9/2017	
				Depth (ft):	9-9		4-4.5		5-5		5-5		0-0.5		3.5-3.5	
				LAB Sample ID:	JC42231-20		JC42929-34R		JC42929-13R		JC42929-22R		JC42929-49R		JC42929-47	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***													
2-Nitrophenol	*88-75-5*	--	--		NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*		NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--		0.011	U	NA		NA		0.011	U	0.048	U	NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--		0.014	U	NA		NA		0.014	U	0.061	U	NA	
p-Chloroaniline	*106-47-8*	--	--		0.013	U	NA		NA		0.014	U	0.06	U	NA	
p-Chloro-m-cresol	*59-50-7*	--	--		NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*		NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--		0.044		0.023	U	NA		0.013	U	0.6		NA	
Phenol	*108-95-2*	*30*	*120*		NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--		0.027	J	0.031	U	NA		0.013	U	1.6		NA	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--		0.0094	U	NA		NA		0.01	U	0.042	U	NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--		NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--		7.275		9.5		ND		ND		10.07		ND	
Total PCBs	*1336-36-3*	*0.000332*	*40*		ND		NA		NA		ND		ND		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*		NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--		NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--		49.5	J	NA		NA		0.85	J	33.6	J	NA	
Total VOC and SVOC TICs	*SRP351*	--	--		83.4		NA		NA		0.85		33.6		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P30:6 1/2-7'		P30:8'		P30:17-18'		P30:21'		P31:6 1/2'		P31:9'	
			Date Sampled:	5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017	
			Depth (ft):	6.5-7		8-8		17-18		21-21		6.5-6.5		9-9	
			LAB Sample ID:	JC42929-36		JC42929-37		JC42929-38		JC42929-39		JC42929-41		JC42929-42	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		NA		NA		NA		NA	
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		NA		NA		NA		NA	
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		NA		NA		NA		NA	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		NA		NA		NA		NA	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		NA		NA		NA		NA	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		NA		NA		NA		NA	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		NA		NA		NA		NA	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		NA		NA		NA		NA	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P30:6 1/2-7'		P30:8'		P30:17-18'		P30:21'		P31:6 1/2'		P31:9'	
			Date Sampled:	5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017	
			Depth (ft):	6.5-7		8-8		17-18		21-21		6.5-6.5		9-9	
			LAB Sample ID:	JC42929-36		JC42929-37		JC42929-38		JC42929-39		JC42929-41		JC42929-42	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	0.0083		12.4		ND		ND		0.027		0.79	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.0083		**12.4**		0.0012	U	0.0011	U	0.027		**0.79**	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P30:6 1/2-7'		P30:8'		P30:17-18'		P30:21'		P31:6 1/2'		P31:9'	
			Date Sampled:	5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017	
			Depth (ft):	6.5-7		8-8		17-18		21-21		6.5-6.5		9-9	
			LAB Sample ID:	JC42929-36		JC42929-37		JC42929-38		JC42929-39		JC42929-41		JC42929-42	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA		NA		NA		NA	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	0.0083		12.4		ND		ND		0.027		0.79	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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			Sample No.:	P32:4 1/2'	P32:15'	P33:4 1/2'	P33:15'	P34:16'	P35:5 1/2-6'
			Date Sampled:	4/28/2017	4/28/2017	4/28/2017	4/28/2017	4/28/2017	4/28/2017
			Depth (ft):	4.5-4.5	15-15	4.5-4.5	16-16	16-16	5.5-6
			LAB Sample ID:	JC42231-7	JC42231-8	JC42231-14	JC42231-15	JC42231-13	JC42231-11
			LAB:	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***						
Acenaphthene	*83-32-9*	*20*	--	NA	NA	NA	NA	NA	NA
Acenaphthylene	*208-96-8*	*682*	--	NA	NA	NA	NA	NA	NA
Acetophenone	*98-86-2*	--	--	NA	NA	NA	NA	NA	NA
Anthracene	*120-12-7*	*1480*	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	*12674-11-2*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1221	*11104-28-2*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1232	*11141-16-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1242	*53469-21-9*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1248	*12672-29-6*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1254	*11097-69-1*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1260	*11096-82-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1262	*37324-23-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1268	*11100-14-4*	--	--	NA	NA	NA	NA	NA	NA
Atrazine	*1912-24-9*	--	--	NA	NA	NA	NA	NA	NA
Benzaldehyde	*100-52-7*	--	--	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	*92-52-4*	*60*	--	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA	NA	NA	NA	NA	NA
Caprolactam	*105-60-2*	--	--	NA	NA	NA	NA	NA	NA
Carbazole	*86-74-8*	--	--	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA	NA	NA	NA	NA	NA
2-Chlorophenol	*95-57-8*	*0.243*	--	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA	NA	NA	NA	NA	NA
Chrysene	*218-01-9*	*4.73*	--	NA	NA	NA	NA	NA	NA

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ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P32:4 1/2'		P32:15'		P33:4 1/2'		P33:15'		P34:16'		P35:5 1/2-6'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	4.5-4.5		15-15		4.5-4.5		16-16		16-16		5.5-6	
			LAB Sample ID:	JC42231-7		JC42231-8		JC42231-14		JC42231-15		JC42231-13		JC42231-11	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	ND		ND		ND		ND		0.0012		0.1	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.00079	U	0.00085	U	0.0012	U	0.0010	U	0.0012	J	**0.1**	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P32:4 1/2'		P32:15'		P33:4 1/2'		P33:15'		P34:16'		P35:5 1/2-6'	
				Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
				Depth (ft):	4.5-4.5		15-15		4.5-4.5		16-16		16-16		5.5-6	
				LAB Sample ID:	JC42231-7		JC42231-8		JC42231-14		JC42231-15		JC42231-13		JC42231-11	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***													
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA		
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA		
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA		
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA		
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA		
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA		
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA		
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA		NA		NA		NA		
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA		
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA		NA		NA		NA		
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA		
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA		
Total PAHs	*130498-29-2*	--	--	ND		ND		ND		ND		0.0012		0.1		
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA		
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA		
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA		
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA		
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA		

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P35:7-7 1/2'		P36:6'		P36:12'		P37:3'		P37:7'		P38:3'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	7-7.5		6-6		12-12		3-3		7-7		3-3	
			LAB Sample ID:	JC42231-12		JC42231-9		JC42231-10		JC42231-1		JC42231-2		JC42231-3	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		NA		NA		NA		NA	
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		NA		NA		NA		NA	
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		NA		NA		NA		NA	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		NA		NA		NA		NA	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		NA		NA		NA		NA	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		NA		NA		NA		NA	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		NA		NA		NA		NA	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		NA		NA		NA		NA	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P35:7-7 1/2'		P36:6'		P36:12'		P37:3'		P37:7'		P38:3'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	7-7.5		6-6		12-12		3-3		7-7		3-3	
			LAB Sample ID:	JC42231-12		JC42231-9		JC42231-10		JC42231-1		JC42231-2		JC42231-3	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	0.11		0.0053		ND		0.064		ND		1.1	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	**0.11**		0.0053		0.0011	U	0.064		0.00085	U	**1.1**	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P35:7-7 1/2'		P36:6'		P36:12'		P37:3'		P37:7'		P38:3'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	7-7.5		6-6		12-12		3-3		7-7		3-3	
			LAB Sample ID:	JC42231-12		JC42231-9		JC42231-10		JC42231-1		JC42231-2		JC42231-3	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA		NA		NA		NA	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	0.11		0.0053		ND		0.064		ND		1.1	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P38:8'		P38:13'		P38:18'		P39:15'		P40:6'		P40:15'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/27/2017		5/8/2017		5/8/2017	
			Depth (ft):	8-8		13-13		18-18		15-15		6-6		15-15	
			LAB Sample ID:	JC42231-4		JC42231-5		JC42231-6		JC42109-10		JC42929-15		JC42929-16	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		NA		NA		NA		NA	
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		NA		NA		NA		NA	
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		NA		NA		NA		NA	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		NA		NA		NA		NA	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		NA		NA		NA		NA	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		NA		NA		NA		NA	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		NA		NA		NA		NA	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		NA		NA		NA		NA	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		NA		NA		NA		NA	

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Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P38:8'		P38:13'		P38:18'		P39:15'		P40:6'		P40:15'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/27/2017		5/8/2017		5/8/2017	
			Depth (ft):	8-8		13-13		18-18		15-15		6-6		15-15	
			LAB Sample ID:	JC42231-4		JC42231-5		JC42231-6		JC42109-10		JC42929-15		JC42929-16	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	3.4		24.4		0.024		0.00092		ND		0.02	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	**3.4**		**24.4**		0.024		0.00092	J	0.00095	U	0.02	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P38:8'		P38:13'		P38:18'		P39:15'		P40:6'		P40:15'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/27/2017		5/8/2017		5/8/2017	
			Depth (ft):	8-8		13-13		18-18		15-15		6-6		15-15	
			LAB Sample ID:	JC42231-4		JC42231-5		JC42231-6		JC42109-10		JC42929-15		JC42929-16	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA		NA		NA		NA	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	3.4		24.4		0.024		0.00092		ND		0.02	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P41:5'	P41:10'	P42:6'	P42:8'	P43:1'	P43:2'
			Date Sampled:	5/8/2017	5/8/2017	5/8/2017	5/8/2017	4/27/2017	4/27/2017
			Depth (ft):	5-5	10-10	6-6	8-8	1-1	2-2
			LAB Sample ID:	JC42929-17	JC42929-18	JC42929-19	JC42929-20	JC42109-14	JC42109-15
			LAB:	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***						
Acenaphthene	*83-32-9*	*20*	--	NA	NA	NA	NA	NA	NA
Acenaphthylene	*208-96-8*	*682*	--	NA	NA	NA	NA	NA	NA
Acetophenone	*98-86-2*	--	--	NA	NA	NA	NA	NA	NA
Anthracene	*120-12-7*	*1480*	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	*12674-11-2*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1221	*11104-28-2*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1232	*11141-16-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1242	*53469-21-9*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1248	*12672-29-6*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1254	*11097-69-1*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1260	*11096-82-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1262	*37324-23-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1268	*11100-14-4*	--	--	NA	NA	NA	NA	NA	NA
Atrazine	*1912-24-9*	--	--	NA	NA	NA	NA	NA	NA
Benzaldehyde	*100-52-7*	--	--	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	*92-52-4*	*60*	--	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA	NA	NA	NA	NA	NA
Caprolactam	*105-60-2*	--	--	NA	NA	NA	NA	NA	NA
Carbazole	*86-74-8*	--	--	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA	NA	NA	NA	NA	NA
2-Chlorophenol	*95-57-8*	*0.243*	--	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA	NA	NA	NA	NA	NA
Chrysene	*218-01-9*	*4.73*	--	NA	NA	NA	NA	NA	NA

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			Sample No.:	P41:5'		P41:10'		P42:6'		P42:8'		P43:1'		P43:2'	
			Date Sampled:	5/8/2017		5/8/2017		5/8/2017		5/8/2017		4/27/2017		4/27/2017	
			Depth (ft):	5-5		10-10		6-6		8-8		1-1		2-2	
			LAB Sample ID:	JC42929-17		JC42929-18		JC42929-19		JC42929-20		JC42109-14		JC42109-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	0.014		9.1		ND		ND		**<u>152</u>**		4	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.014		**9.1**		0.0010	U	0.00095	U	**152**		**4**	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P41:5'		P41:10'		P42:6'	P42:8'	P43:1'	P43:2'
			Date Sampled:	5/8/2017		5/8/2017		5/8/2017	5/8/2017	4/27/2017	4/27/2017
			Depth (ft):	5-5		10-10		6-6	8-8	1-1	2-2
			LAB Sample ID:	JC42929-17		JC42929-18		JC42929-19	JC42929-20	JC42109-14	JC42109-15
			LAB:	Accutest		Accutest		Accutest	Accutest	Accutest	Accutest
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***								
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA	NA	NA	NA
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA	NA	NA	NA
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA	NA	NA	NA
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA	NA	NA	NA
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA	NA	NA	NA
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA	NA	NA	NA
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA	NA	NA	NA
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA	NA	NA	NA
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA	NA	NA	NA
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA	NA	NA	NA
Total PAHs	*130498-29-2*	--	--	0.014		9.1		ND	ND	152	4
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA	NA	NA	NA
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA	NA	NA	NA
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA	NA	NA	NA
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA	NA	NA	NA
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA	NA	NA	NA

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P43:6'		P44:3'		P44:7-7 1/2'		P45:5 1/2-6'		P45:12-12 1/2'		P46:6-6 1/2'	
			Date Sampled:	4/27/2017		4/28/2017		4/28/2017		4/27/2017		4/27/2017		5/9/2017	
			Depth (ft):	6-6		3-3		7-7.5		5.5-6		12-12.5		6-6.5	
			LAB Sample ID:	JC42109-16		JC42231-16		JC42231-17		JC42109-11		JC42109-12		JC42929-40	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		NA		NA		NA		NA	
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		NA		NA		NA		NA	
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		NA		NA		NA		NA	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		NA		NA		NA		NA	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		NA		NA		NA		NA	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		NA		NA		NA		NA	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		NA		NA		NA		NA	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		NA		NA		NA		NA	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P43:6'		P44:3'		P44:7-7 1/2'		P45:5 1/2-6'		P45:12-12 1/2'		P46:6-6 1/2'	
			Date Sampled:	4/27/2017		4/28/2017		4/28/2017		4/27/2017		4/27/2017		5/9/2017	
			Depth (ft):	6-6		3-3		7-7.5		5.5-6		12-12.5		6-6.5	
			LAB Sample ID:	JC42109-16		JC42231-16		JC42231-17		JC42109-11		JC42109-12		JC42929-40	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	2.7		**96.7**		0.048		ND		ND		0.0012	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	**2.7**		**96.7**		0.048		0.00089	U	0.00098	U	0.0012	J
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P43:6'		P44:3'		P44:7-7 1/2'		P45:5 1/2-6'		P45:12-12 1/2'		P46:6-6 1/2'	
			Date Sampled:	4/27/2017		4/28/2017		4/28/2017		4/27/2017		4/27/2017		5/9/2017	
			Depth (ft):	6-6		3-3		7-7.5		5.5-6		12-12.5		6-6.5	
			LAB Sample ID:	JC42109-16		JC42231-16		JC42231-17		JC42109-11		JC42109-12		JC42929-40	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA		NA		NA		NA	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	2.7		96.7		0.048		ND		ND		0.0012	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P47:6-6 1/2'	P48:1-1 1/2'	P48:7 1/2-8'	P48:20'	P49: 4 1/2-5'	P50: 4-4 1/2'
			Date Sampled:	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/3/2017	10/3/2017
			Depth (ft):	6-6.5	1-1.5	7.5-8	20-20	4.5-5	4-4.5
			LAB Sample ID:	JC52433-8	JC52433-5	JC52433-6	JC52433-7	JC52345-1	JC52345-2
			LAB:	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***						
Acenaphthene	*83-32-9*	*20*	--	NA	NA	NA	NA	NA	NA
Acenaphthylene	*208-96-8*	*682*	--	NA	NA	NA	NA	NA	NA
Acetophenone	*98-86-2*	--	--	NA	NA	NA	NA	NA	NA
Anthracene	*120-12-7*	*1480*	--	NA	NA	NA	NA	NA	NA
Aroclor 1016	*12674-11-2*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1221	*11104-28-2*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1232	*11141-16-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1242	*53469-21-9*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1248	*12672-29-6*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1254	*11097-69-1*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1260	*11096-82-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1262	*37324-23-5*	--	--	NA	NA	NA	NA	NA	NA
Aroclor 1268	*11100-14-4*	--	--	NA	NA	NA	NA	NA	NA
Atrazine	*1912-24-9*	--	--	NA	NA	NA	NA	NA	NA
Benzaldehyde	*100-52-7*	--	--	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA	NA	NA	NA	NA	NA
1,1-Biphenyl	*92-52-4*	*60*	--	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA	NA	NA	NA	NA	NA
Caprolactam	*105-60-2*	--	--	NA	NA	NA	NA	NA	NA
Carbazole	*86-74-8*	--	--	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA	NA	NA	NA	NA	NA
2-Chlorophenol	*95-57-8*	*0.243*	--	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA	NA	NA	NA	NA	NA
Chrysene	*218-01-9*	*4.73*	--	NA	NA	NA	NA	NA	NA

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ND = Not Detected
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U = Compound not detected above MDL
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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P47:6-6 1/2'		P48:1-1 1/2'		P48:7 1/2-8'		P48:20'		P49: 4 1/2-5'		P50: 4-4 1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/3/2017		10/3/2017	
			Depth (ft):	6-6.5		1-1.5		7.5-8		20-20		4.5-5		4-4.5	
			LAB Sample ID:	JC52433-8		JC52433-5		JC52433-6		JC52433-7		JC52345-1		JC52345-2	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	ND		ND		ND		ND		ND		ND	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.0021	U	0.0019	U	0.0022	U	0.0021	U	0.0016	U	0.0017	U
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P47:6-6 1/2'	P48:1-1 1/2'	P48:7 1/2-8'	P48:20'	P49: 4 1/2-5'	P50: 4-4 1/2'
			Date Sampled:	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/3/2017	10/3/2017
			Depth (ft):	6-6.5	1-1.5	7.5-8	20-20	4.5-5	4-4.5
			LAB Sample ID:	JC52433-8	JC52433-5	JC52433-6	JC52433-7	JC52345-1	JC52345-2
			LAB:	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***						
2-Nitrophenol	*88-75-5*	--	--	NA	NA	NA	NA	NA	NA
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA	NA	NA	NA	NA	NA
p-Chloroaniline	*106-47-8*	--	--	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	*59-50-7*	--	--	NA	NA	NA	NA	NA	NA
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA	NA	NA	NA	NA	NA
Phenanthrene	*85-01-8*	*45.7*	--	NA	NA	NA	NA	NA	NA
Phenol	*108-95-2*	*30*	*120*	NA	NA	NA	NA	NA	NA
Pyrene	*129-00-0*	*78.5*	--	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA	NA	NA	NA	NA	NA
Total PAHs	*130498-29-2*	--	--	ND	ND	ND	ND	ND	ND
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA	NA	NA	NA	NA	NA
Total SVOC TIC	*SRP171*	--	--	NA	NA	NA	NA	NA	NA
Total VOC and SVOC TICs	*SRP351*	--	--	NA	NA	NA	NA	NA	NA

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P51:2 1/2-3'		P51:3 1/2-4'		P52: 0-1/2'		P52: 7-8'		P53: 4-4 1/2'		P54: 0-1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	2.5-3		3.5-4		0-0.5		7-8		4-4.5		0-0.5	
			LAB Sample ID:	JC52433-1		JC52433-2		JC52345-17		JC52345-18		JC52345-10		JC52345-34	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		NA		NA		NA		NA	
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		NA		NA		NA		NA	
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		NA		NA		NA		NA	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		NA		NA		NA		NA	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		NA		NA		NA		NA	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		NA		NA		NA		NA	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		NA		NA		NA		NA	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		NA		NA		NA		NA	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P51:2 1/2-3'		P51:3 1/2-4'		P52: 0-1/2'		P52: 7-8'		P53: 4-4 1/2'		P54: 0-1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	2.5-3		3.5-4		0-0.5		7-8		4-4.5		0-0.5	
			LAB Sample ID:	JC52433-1		JC52433-2		JC52345-17		JC52345-18		JC52345-10		JC52345-34	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		NA		NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		NA		NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		NA		NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	**32.5**		25.8		ND		ND		ND		ND	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	**32.5**		**25.8**		0.3	U	0.0019	U	0.0013	U	0.0046	U
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P51:2 1/2-3'		P51:3 1/2-4'		P52: 0-1/2'		P52: 7-8'		P53: 4-4 1/2'		P54: 0-1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	2.5-3		3.5-4		0-0.5		7-8		4-4.5		0-0.5	
			LAB Sample ID:	JC52433-1		JC52433-2		JC52345-17		JC52345-18		JC52345-10		JC52345-34	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		NA		NA		NA		NA	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	32.5		25.8		ND		ND		ND		ND	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P54: 1/2-1'		P55: 0-4		P56: 3-3 1/2'		P57: 3 1/2-4'		P58:0-1/2'		P58:1 1/2-2'	
			Date Sampled:	10/3/2017		10/3/2017		10/3/2017		10/3/2017		10/4/2017		10/4/2017	
			Depth (ft):	0.5-1		0-0.33		3-3.5		3.5-4		0-0.5		1.5-2	
			LAB Sample ID:	JC52345-35		JC52345-36		JC52345-3		JC52345-4		JC52433-9		JC52433-10	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	0.062		0.023	J	NA		NA		**27.9**		0.19	
Acenaphthylene	*208-96-8*	*682*	--	0.048		0.038	J	NA		NA		1.3		0.017	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	0.17		0.07		NA		NA		72.7		0.4	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	**1.7**		0.44		NA		NA		**236**		0.71	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	1		0.28		NA		NA		**233**		0.65	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	1.9		0.49		NA		NA		**281**		0.69	
Benzo(ghi)perylene	*191-24-2*	*119*	--	1.4		0.35		NA		NA		**167**		0.55	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.72		0.2		NA		NA		65.3		0.27	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	1.3		0.36		NA		NA		**249**		0.65	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P54: 1/2-1'		P55: 0-4		P56: 3-3 1/2'		P57: 3 1/2-4'		P58:0-1/2'		P58:1 1/2-2'	
			Date Sampled:	10/3/2017		10/3/2017		10/3/2017		10/3/2017		10/4/2017		10/4/2017	
			Depth (ft):	0.5-1		0-0.33		3-3.5		3.5-4		0-0.5		1.5-2	
			LAB Sample ID:	JC52345-35		JC52345-36		JC52345-3		JC52345-4		JC52433-9		JC52433-10	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	0.28		0.073		NA		NA		**48.1**		0.094	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	1.2		0.38		NA		NA		**643**		1.9	
Fluorene	*86-73-7*	*122*	--	0.042	J	0.018	U	NA		NA		21.6		0.16	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	**12.2**		**3.353**		NA		NA		**1990.4**		**5.854**	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	1.3		0.32		NA		NA		**136**		0.44	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	2.304		0.755		ND		ND		**1204.3**		4.61	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.042	J	0.024	J	0.0017	U	0.002	U	**14.8**		**0.26**	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P54: 1/2-1'		P55: 0-4		P56: 3-3 1/2'		P57: 3 1/2-4'		P58:0-1/2'		P58:1 1/2-2'	
			Date Sampled:	10/3/2017		10/3/2017		10/3/2017		10/3/2017		10/4/2017		10/4/2017	
			Depth (ft):	0.5-1		0-0.33		3-3.5		3.5-4		0-0.5		1.5-2	
			LAB Sample ID:	JC52345-35		JC52345-36		JC52345-3		JC52345-4		JC52433-9		JC52433-10	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	0.74		0.22		NA		NA		**423**		1.7	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	2.6		0.84		NA		NA		**575**		1.8	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	14.504		4.108		ND		ND		3194.7		10.464	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P58:6-6 1/2'		P58:18-18 1/2'		P59:0-1/2'		P59:1 1/2-2'		P59:4 1/2-5'		P59:9 1/2-10'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	6-6.5		18-18.5		0-0.5		1.5-2		4.5-5		9.5-10	
			LAB Sample ID:	JC52433-11		JC52433-12		JC52433-14		JC52433-15		JC52433-16		JC52433-17	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	0.013	U	0.013	U	3.9		0.013	U	0.056		0.023	U
Acenaphthylene	*208-96-8*	*682*	--	0.019	U	0.018	U	0.58		0.025	J	0.019	U	0.020	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	0.023	U	0.022	U	11.4		0.064		0.035	J	0.020	U
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	0.017	U	0.017	U	**62.4**		0.2		0.028	J	0.035	U
Benzo(a)anthracene	*56-55-3*	*5.21*	--	0.010	U	0.010	U	**50.9**		0.19		0.037	J	0.029	U
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	0.016	U	0.016	U	**76.1**		0.22		0.03	J	0.044	U
Benzo(ghi)perylene	*191-24-2*	*119*	--	0.018	U	0.018	U	52.4		0.14		0.067		0.055	U
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.017	U	0.017	U	28.1		0.097		0.018	U	0.044	U
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	0.012	U	0.011	U	**53.1**		0.21		0.05		0.030	U

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
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			Sample No.:	P58:6-6 1/2'		P58:18-18 1/2'		P59:0-1/2'		P59:1 1/2-2'		P59:4 1/2-5'		P59:9 1/2-10'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	6-6.5		18-18.5		0-0.5		1.5-2		4.5-5		9.5-10	
			LAB Sample ID:	JC52433-11		JC52433-12		JC52433-14		JC52433-15		JC52433-16		JC52433-17	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	0.016	U	0.016	U	11.1		0.033	J	0.017	U	0.035	U
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	0.016	J	0.016	U	**127**		0.33		0.077		0.066	J
Fluorene	*86-73-7*	*122*	--	0.017	U	0.017	U	2.6		0.019	J	0.054		0.026	U
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	0.016		ND		**<u>477.3</u>**		**1.65**		0.345		0.06	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	0.017	U	0.017	U	42.2		0.14		0.033	J	0.053	U
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	0.016		ND		**<u>197.91</u>**		0.668		18.462		2.166	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.010	U	0.010	U	**0.63**		0.010	U	**18.1**		**2.1**	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P58:6-6 1/2'		P58:18-18 1/2'		P59:0-1/2'		P59:1 1/2-2'		P59:4 1/2-5'		P59:9 1/2-10'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	6-6.5		18-18.5		0-0.5		1.5-2		4.5-5		9.5-10	
			LAB Sample ID:	JC52433-11		JC52433-12		JC52433-14		JC52433-15		JC52433-16		JC52433-17	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	0.012	U	0.012	U	**51.8**		0.23		0.14		0.020	U
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	0.016	J	0.012	U	**101**		0.42		0.1		0.06	J
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	0.032		ND		675.21		2.318		18.807		2.226	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P60:0- 1/2'		P60:1 1/2-2'		P61:0-1/2'		P61:1 1/2-2'		P61:4-4 /1/2'		P61:12 1/2-13'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	0-0.5		1.5-2		0-0.5		1.5-2		4-4.5		12.5-13	
			LAB Sample ID:	JC52433-18		JC52433-19		JC52433-21		JC52433-22		JC52433-23		JC52433-24	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		0.71		0.038	J	0.013	U	0.012	U
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		0.075		0.036	U	0.019	U	0.018	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		2.2		0.083		0.023	J	0.021	U
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		**9.4**		0.22		0.045		0.016	U
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		**8.4**		0.18		0.047		0.0099	U
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		12.1		0.37		0.063		0.015	U
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		8.1		0.3		0.048		0.017	U
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		4.5		0.11		0.022	J	0.016	U
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		**9.3**		0.25		0.062		0.011	U

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P60:0- 1/2'		P60:1 1/2-2'		P61:0-1/2'		P61:1 1/2-2'		P61:4-4 /1/2'		P61:12 1/2-13'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	0-0.5		1.5-2		0-0.5		1.5-2		4-4.5		12.5-13	
			LAB Sample ID:	JC52433-18		JC52433-19		JC52433-21		JC52433-22		JC52433-23		JC52433-24	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		2.9		0.045	J	0.017	U	0.015	U
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		16.3		0.34		0.093		0.016	U
Fluorene	*86-73-7*	*122*	--	NA		NA		0.45		0.035	J	0.021	J	0.016	U
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		**81.7**		**2.205**		0.468		ND	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		8.2		0.24		0.031	J	0.016	U
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	ND		ND		**29.185**		0.812		0.467		0.016	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.0027	U	0.0022	U	**0.15**		0.036	J	**0.23**		0.016	J
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P60:0- 1/2'		P60:1 1/2-2'		P61:0-1/2'		P61:1 1/2-2'		P61:4-4 /1/2'		P61:12 1/2-13'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	0-0.5		1.5-2		0-0.5		1.5-2		4-4.5		12.5-13	
			LAB Sample ID:	JC52433-18		JC52433-19		JC52433-21		JC52433-22		JC52433-23		JC52433-24	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		9.3		0.28		0.1		0.012	U
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		18.8		0.49		0.15		0.011	U
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	ND		ND		110.885		3.017		0.935		0.016	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P62:5 1/2-6'		P63:3-3 1/2'		P66:6-6 1/2'		P66:13 1/2-14'		P68:0-1/2'		P68:1 1/2-2'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	5.5-6		3-3.5		6-6.5		13.5-14		0-0.5		1.5-2	
			LAB Sample ID:	JC52433-29		JC52433-3		JC52433-33		JC52433-34		JC52433-35		JC52433-36	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		0.012	U	0.014	U	0.011	U	0.012	U
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		0.017	U	0.020	U	0.016	U	0.017	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		0.021	U	0.024	U	0.020	U	0.021	U
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		0.015	U	0.018	U	0.026	J	0.016	U
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		0.0096	U	0.011	U	0.023	J	0.0097	U
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		0.015	U	0.017	U	0.035		0.015	U
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		0.017	U	0.020	U	0.029	J	0.017	U
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		0.016	U	0.018	U	0.015	U	0.016	U
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		0.011	U	0.012	U	0.024	J	0.011	U

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P62:5 1/2-6'		P63:3-3 1/2'		P66:6-6 1/2'		P66:13 1/2-14'		P68:0-1/2'		P68:1 1/2-2'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	5.5-6		3-3.5		6-6.5		13.5-14		0-0.5		1.5-2	
			LAB Sample ID:	JC52433-29		JC52433-3		JC52433-33		JC52433-34		JC52433-35		JC52433-36	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		0.015	U	0.017	U	0.014	U	0.015	U
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		0.015	U	0.018	U	0.033		0.015	U
Fluorene	*86-73-7*	*122*	--	NA		NA		0.016	U	0.018	U	0.015	U	0.016	U
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		ND		ND		0.206		ND	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		0.016	U	0.019	U	0.024	J	0.016	U
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	ND		0.37		ND		ND		0.054		ND	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	0.0085	U	0.37		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	NA		NA		0.0096	U	0.011	U	0.0091	U	0.0096	U
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P62:5 1/2-6'		P63:3-3 1/2'		P66:6-6 1/2'		P66:13 1/2-14'		P68:0-1/2'		P68:1 1/2-2'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	5.5-6		3-3.5		6-6.5		13.5-14		0-0.5		1.5-2	
			LAB Sample ID:	JC52433-29		JC52433-3		JC52433-33		JC52433-34		JC52433-35		JC52433-36	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		0.011	U	0.013	U	0.021	J	0.011	U
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		0.011	U	0.013	U	0.045		0.011	U
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	ND		0.37		ND		ND		0.26		ND	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P68:6-6 1/2'		P68:7 1/2-8'		P69: 1-1 1/2'		P70: 3 1/2-4'		P70: 6 1/2-7'		P71: 6-6 1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	6-6.5		7.5-8		1-1.5		3.5-4		6.5-7		6-6.5	
			LAB Sample ID:	JC52433-37		JC52433-38		JC52345-32		JC52345-21		JC52345-22		JC52345-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	0.012	U	0.011	U	0.14	J	0.071		0.013	U	0.012	U
Acenaphthylene	*208-96-8*	*682*	--	0.018	U	0.017	U	0.025	U	0.021	U	0.019	U	0.018	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	0.021	U	0.020	U	0.42		0.042	J	0.023	U	0.022	U
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	0.016	U	0.015	U	**2.1**		0.073		0.017	U	0.016	U
Benzo(a)anthracene	*56-55-3*	*5.21*	--	0.0099	U	0.0094	U	2		0.068		0.011	U	0.01	U
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	0.015	U	0.015	U	2.4		0.073		0.017	U	0.016	U
Benzo(ghi)perylene	*191-24-2*	*119*	--	0.017	U	0.017	U	1.6		0.05		0.019	U	0.018	U
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.016	U	0.016	U	0.74		0.033	J	0.018	U	0.017	U
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	0.011	U	0.010	U	2.2		0.073		0.012	U	0.011	U

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P68:6-6 1/2'		P68:7 1/2-8'		P69: 1-1 1/2'		P70: 3 1/2-4'		P70: 6 1/2-7'		P71: 6-6 1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	6-6.5		7.5-8		1-1.5		3.5-4		6.5-7		6-6.5	
			LAB Sample ID:	JC52433-37		JC52433-38		JC52345-32		JC52345-21		JC52345-22		JC52345-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	0.015	U	0.015	U	0.34		0.018	U	0.017	U	0.016	U
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	0.016	U	0.015	U	4.1		0.12		0.017	U	0.016	U
Fluorene	*86-73-7*	*122*	--	0.016	U	0.015	U	0.089	J	0.049		0.017	U	0.016	U
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	ND		0.017		**16.68**		0.752		ND		ND	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	0.016	U	0.016	U	1.3		0.042		0.018	U	0.017	U
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	0.12		1.817		6.549		**<u>535.432</u>**		0.019		ND	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	**0.12**		**1.8**		0.025	U	**535**		0.019	J	0.01	U
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P68:6-6 1/2'		P68:7 1/2-8'		P69: 1-1 1/2'		P70: 3 1/2-4'		P70: 6 1/2-7'		P71: 6-6 1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	6-6.5		7.5-8		1-1.5		3.5-4		6.5-7		6-6.5	
			LAB Sample ID:	JC52433-37		JC52433-38		JC52345-32		JC52345-21		JC52345-22		JC52345-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	0.012	U	0.017	J	1.8		0.15		0.013	U	0.012	U
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	0.011	U	0.017	J	4		0.34		0.012	U	0.011	U
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	0.12		1.834		23.229		536.184		0.019		ND	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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NA = Not Analyzed
J = Estimated value below sample reporting limit
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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P71: 9-9 1/2'		P72:3 1/2-4'		P72:6 1/2-7'		P77		P77		P78:2 1/2'	
			Date Sampled:	10/3/2017		10/4/2017		10/4/2017		2/21/2018		2/21/2018		2/20/2018	
			Depth (ft):	9-9.5		3.5-4		6.5-7		2-2.5		2-2.5		2.5-2.5	
			LAB Sample ID:	JC52345-16		JC52433-40		JC52433-41		JC61183-5		JC61183-3		JC61097-1	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	0.013	U	0.33		0.028	U	NA		NA		NA	
Acenaphthylene	*208-96-8*	*682*	--	0.02	U	0.090	U	0.025	U	NA		NA		NA	
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	0.024	U	0.62		0.025	U	NA		NA		NA	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	0.018	U	0.75		0.043	U	NA		NA		NA	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	0.011	U	1		0.034	U	NA		NA		NA	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	0.017	U	1		0.052	U	NA		NA		NA	
Benzo(ghi)perylene	*191-24-2*	*119*	--	0.019	U	0.96		0.065	U	NA		NA		NA	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.018	U	0.38		0.052	U	NA		NA		NA	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	0.012	U	1.1		0.036	U	NA		NA		NA	

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Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P71: 9-9 1/2'		P72:3 1/2-4'		P72:6 1/2-7'		P77		P77		P78:2 1/2'	
			Date Sampled:	10/3/2017		10/4/2017		10/4/2017		2/21/2018		2/21/2018		2/20/2018	
			Depth (ft):	9-9.5		3.5-4		6.5-7		2-2.5		2-2.5		2.5-2.5	
			LAB Sample ID:	JC52345-16		JC52433-40		JC52433-41		JC61183-5		JC61183-3		JC61097-1	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	0.017	U	0.18	J	0.043	U	NA		NA		NA	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	0.017	U	1.7		0.07	J	NA		NA		NA	
Fluorene	*86-73-7*	*122*	--	0.018	U	0.67		0.031	U	NA		NA		NA	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	ND		**8.87**		0.066		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	0.018	U	0.6		0.064	U	NA		NA		NA	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	ND		9.72		2.11		ND		ND		ND	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.011	U	**3.9**		**1.9**		0.0018	U	0.0021	U	0.0021	U
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P71: 9-9 1/2'		P72:3 1/2-4'		P72:6 1/2-7'		P77		P77		P78:2 1/2'	
			Date Sampled:	10/3/2017		10/4/2017		10/4/2017		2/21/2018		2/21/2018		2/20/2018	
			Depth (ft):	9-9.5		3.5-4		6.5-7		2-2.5		2-2.5		2.5-2.5	
			LAB Sample ID:	JC52345-16		JC52433-40		JC52433-41		JC61183-5		JC61183-3		JC61097-1	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	0.013	U	2.5		0.14	J	NA		NA		NA	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	0.012	U	2.9		0.066	J	NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	ND		18.59		2.176		ND		ND		ND	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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			Sample No.:	P79:2-2 1/2'		P80:0-1/2'		P84:0-1/2'		P84:0.5-1'		P85:0-1/2'		P85:1 1/2-2'	
			Date Sampled:	2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018	
			Depth (ft):	2-2.5		0-0.5		0-0.5		0.5-1		0-0.5		1.5-2	
			LAB Sample ID:	JC61097-2		JC61097-3		JC61097-9		JC61097-10		JC61097-11		JC61097-12	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		0.030	U	0.13		0.013	U	0.16		0.43	
Acenaphthylene	*208-96-8*	*682*	--	NA		0.043	U	0.033	J	0.019	U	0.024	J	0.019	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		0.052	U	0.27		0.023	U	0.45		0.9	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		0.13		**1.6**		0.049		**2.6**		**1.8**	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		0.14		1.5		0.052		2.2		1.6	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		0.19		2.2		0.07		3.1		1.9	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		0.12		1.5		0.05		2.1		1.3	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		0.074	J	0.59		0.02	J	1.1		0.6	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		0.15		1.5		0.053		2.1		1.4	

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Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P79:2-2 1/2'		P80:0-1/2'		P84:0-1/2'		P84:0.5-1'		P85:0-1/2'		P85:1 1/2-2'	
			Date Sampled:	2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018	
			Depth (ft):	2-2.5		0-0.5		0-0.5		0.5-1		0-0.5		1.5-2	
			LAB Sample ID:	JC61097-2		JC61097-3		JC61097-9		JC61097-10		JC61097-11		JC61097-12	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		0.038	U	0.27		0.016	U	0.41		0.24	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		0.25		3.4		0.075		4.7		3.9	
Fluorene	*86-73-7*	*122*	--	NA		0.039	U	0.091		0.017	U	0.12		0.37	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		**1.154**		**13.66**		0.421		**<u>19.71</u>**		**13.54**	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		0.09		1.2		0.038		2.2		1.4	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	ND		0.349		5.548		0.118		7.49		8.94	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.011	U	0.024	U	0.024	J	0.010	U	0.036	J	**0.44**	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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ND = Not Detected
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MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P79:2-2 1/2'	P80:0-1/2'	P84:0-1/2'	P84:0.5-1'	P85:0-1/2'	P85:1 1/2-2'
			Date Sampled:	2/20/2018	2/20/2018	2/20/2018	2/20/2018	2/20/2018	2/20/2018
			Depth (ft):	2-2.5	0-0.5	0-0.5	0.5-1	0-0.5	1.5-2
			LAB Sample ID:	JC61097-2	JC61097-3	JC61097-9	JC61097-10	JC61097-11	JC61097-12
			LAB:	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***						
2-Nitrophenol	*88-75-5*	--	--	NA	NA	NA	NA	NA	NA
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA	NA	NA	NA	NA	NA
p-Chloroaniline	*106-47-8*	--	--	NA	NA	NA	NA	NA	NA
p-Chloro-m-cresol	*59-50-7*	--	--	NA	NA	NA	NA	NA	NA
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA	NA	NA	NA	NA	NA
Phenanthrene	*85-01-8*	*45.7*	--	NA	0.099	1.6	0.043	2	2.9
Phenol	*108-95-2*	*30*	*120*	NA	NA	NA	NA	NA	NA
Pyrene	*129-00-0*	*78.5*	--	NA	0.26	3.3	0.089	3.9	3.3
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA	NA	NA	NA	NA	NA
Total PAHs	*130498-29-2*	--	--	ND	1.503	19.208	0.539	*27.2*	22.48
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA	NA	NA	NA	NA	NA
Total SVOC TIC	*SRP171*	--	--	NA	NA	NA	NA	NA	NA
Total VOC and SVOC TICs	*SRP351*	--	--	NA	NA	NA	NA	NA	NA

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P94:4-4 1/2'		P96		P99		P100		P101: 3-4'		P102: 0-1/2'	
			Date Sampled:	2/20/2018		2/21/2018		2/21/2018		2/21/2018		5/24/2018		5/24/2018	
			Depth (ft):	4-4.5		4.5-5		0-0.25		0-0.25		3-4		0-0.5	
			LAB Sample ID:	JC61097-31		JC61183-7		JC61183-17		JC61183-18		JC66860-1		JC66860-2	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	NA		NA		0.031	J	0.35		NA		0.2	
Acenaphthylene	*208-96-8*	*682*	--	NA		NA		0.019	U	0.053		NA		0.057	
Acetophenone	*98-86-2*	--	--	NA		NA		0.0081	U	0.0099	U	NA		NA	
Anthracene	*120-12-7*	*1480*	--	NA		NA		0.072		0.85		NA		0.52	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		0.015	U	0.019	U	NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		0.015	U	0.019	U	NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		0.01	U	0.013	U	NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		0.006	U	0.0075	U	NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		0.022	U	0.028	U	NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		0.0093	U	0.012	U	NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		0.012	U	0.015	U	NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		0.0029	U	0.0036	U	NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		0.0056	U	0.007	U	NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		0.016	U	0.02	U	NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		0.0094	U	0.011	U	NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	NA		NA		0.51		**3.7**		NA		**2**	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	NA		NA		0.41		3.2		NA		2.1	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	NA		NA		0.61		4.6		NA		2.6	
Benzo(ghi)perylene	*191-24-2*	*119*	--	NA		NA		0.44		3.3		NA		1.8	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	NA		NA		0.22		1.5		NA		1.1	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		0.0052	U	0.0063	U	NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		0.0081	U	0.0098	U	NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		0.016	U	0.02	U	NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		0.014	U	0.017	U	NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		0.0089	U	0.32		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		0.015	U	0.018	U	NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		0.0092	U	0.011	U	NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		0.015	U	0.018	U	NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		0.074	J	0.67		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		0.009	U	0.011	U	NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		0.019	U	0.023	U	NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		0.012	U	0.015	U	NA		NA	
Chrysene	*218-01-9*	*4.73*	--	NA		NA		0.46		3.4		NA		2.2	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P94:4-4 1/2'		P96		P99		P100		P101: 3-4'		P102: 0-1/2'	
			Date Sampled:	2/20/2018		2/21/2018		2/21/2018		2/21/2018		5/24/2018		5/24/2018	
			Depth (ft):	4-4.5		4.5-5		0-0.25		0-0.25		3-4		0-0.5	
			LAB Sample ID:	JC61097-31		JC61183-7		JC61183-17		JC61183-18		JC66860-1		JC66860-2	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	NA		NA		0.081		0.59		NA		0.34	
Dibenzofuran	*132-64-9*	--	--	NA		NA		0.015	U	0.16		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		0.032	U	0.038	U	NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		0.032	U	0.039	U	NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		0.0081	U	0.0098	U	NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		0.067	U	0.082	U	NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		0.0067	U	0.0082	U	NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		0.0062	U	0.0075	U	NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		0.041	U	0.049	U	NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		*0.14*	U	*0.17*	U	NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		ND		ND		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		0.012	U	0.014	U	NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		0.019	U	0.023	U	NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		0.0094	U	0.011	U	NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		0.025	U	0.03	U	NA		NA	
Fluoranthene	*206-44-0*	*122*	--	NA		NA		0.92		6.2		NA		5	
Fluorene	*86-73-7*	*122*	--	NA		NA		0.022	J	0.26		NA		0.18	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		0.0096	U	0.012	U	NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		0.015	U	0.018	U	NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		0.015	U	0.018	U	NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		0.019	U	0.023	U	NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	NA		NA		**3.871**		**<u>29.29</u>**		NA		**17.94**	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	NA		NA		0.45		3.6		NA		1.7	
Isophorone	*78-59-1*	*139*	--	NA		NA		0.0081	U	0.0098	U	NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	25.5		15.7		1.425		11.289		ND		8.432	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	**25.5**		NA		0.0086	U	0.056		0.0093	U	NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		0.024	U	0.029	U	NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		0.031	U	0.038	U	NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	NA		**15.7**		0.011	U	**0.12**		NA		0.075	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		0.0089	U	0.011	U	NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		0.0095	U	0.011	U	NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		0.0098	U	0.012	U	NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		0.015	U	0.018	U	NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P94:4-4 1/2'		P96		P99		P100		P101: 3-4'		P102: 0-1/2'	
			Date Sampled:	2/20/2018		2/21/2018		2/21/2018		2/21/2018		5/24/2018		5/24/2018	
			Depth (ft):	4-4.5		4.5-5		0-0.25		0-0.25		3-4		0-0.5	
			LAB Sample ID:	JC61097-31		JC61183-7		JC61183-17		JC61183-18		JC66860-1		JC66860-2	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		0.025	U	0.03	U	NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		0.1	U	0.12	U	NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		0.011	U	0.013	U	NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		0.014	U	0.017	U	NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		0.014	U	0.017	U	NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		0.023	U	0.028	U	NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		0.036	U	0.043	U	NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	NA		NA		0.38		3.4		NA		2.4	
Phenol	*108-95-2*	*30*	*120*	NA		NA		0.02	U	0.024	U	NA		NA	
Pyrene	*129-00-0*	*78.5*	--	NA		NA		0.69		5.4		NA		4.1	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		0.0096	U	0.012	U	NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		0.025	U	0.03	U	NA		NA	
Total PAHs	*130498-29-2*	--	--	25.5		15.7		5.296		40.579		ND		26.372	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		ND		ND		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		0.028	U	0.034	U	NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		0.023	U	0.027	U	NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		5.2	J	12.7	J	NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		5.2		12.7		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P102: 1-2'		P102: 5-6'		P102: 10-11'		P103: 0-1/2'		P103: 1-2'		P103: 3-4'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018	
			Depth (ft):	1-2		5-6		10-11		0-0.5		1-2		3-4	
			LAB Sample ID:	JC66860-3		JC66860-4		JC66860-5		JC66860-6		JC66860-7		JC66860-8	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	0.014	U	0.013	U	0.012	U	0.055		0.013	U	0.053	
Acenaphthylene	*208-96-8*	*682*	--	0.066		0.019	U	0.018	U	0.021	U	0.019	U	0.086	
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	0.14		0.023	U	0.022	U	0.13		0.024	U	0.23	
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	0.26		0.017	U	0.016	U	0.65		0.038		0.73	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	0.28		0.011	U	0.010	U	0.62		0.033	J	0.68	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	0.31		0.017	U	0.016	U	0.91		0.043		0.81	
Benzo(ghi)perylene	*191-24-2*	*119*	--	0.2		0.019	U	0.018	U	0.63		0.03	J	0.44	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.13		0.018	U	0.017	U	0.32		0.018	U	0.33	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	0.3		0.012	U	0.011	U	0.7		0.031	J	0.69	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P102: 1-2'		P102: 5-6'		P102: 10-11'		P103: 0-1/2'		P103: 1-2'		P103: 3-4'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018	
			Depth (ft):	1-2		5-6		10-11		0-0.5		1-2		3-4	
			LAB Sample ID:	JC66860-3		JC66860-4		JC66860-5		JC66860-6		JC66860-7		JC66860-8	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	0.054		0.017	U	0.016	U	0.11		0.017	U	0.12	
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	0.52		0.017	U	0.016	U	1.3		0.046		1.1	
Fluorene	*86-73-7*	*122*	--	0.062		0.017	U	0.016	U	0.019	U	0.018	U	0.074	
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	**2.194**		ND		ND		**5.82**		0.257		**5.74**	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	0.18		0.018	U	0.017	U	0.58		0.03	J	0.44	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	1.321		ND		ND		2.135		0.065		2.416	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.053		0.011	U	0.010	U	0.012	U	0.011	U	0.053	
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P102: 1-2'		P102: 5-6'		P102: 10-11'		P103: 0-1/2'		P103: 1-2'		P103: 3-4'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018	
			Depth (ft):	1-2		5-6		10-11		0-0.5		1-2		3-4	
			LAB Sample ID:	JC66860-3		JC66860-4		JC66860-5		JC66860-6		JC66860-7		JC66860-8	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	0.48		0.013	U	0.012	U	0.65		0.019	J	0.82	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	0.48		0.012	U	0.011	U	1.3		0.052		1.5	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	3.515		ND		ND		7.955		0.322		8.156	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P103: 13 1/2-14'		P104: 1-2'		P104: 6 1/2-7 1/2'		P109: 10-10 1/2'		P109: 17-17 1/2'		P119: 0-1/2'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/25/2018		5/25/2018		9/13/2018	
			Depth (ft):	13.5-14		1-2		6.5-7.5		10-10.5		17-17.5		0-0.5	
			LAB Sample ID:	JC66860-9		JC66860-11		JC66860-13		JC66860-30		JC66860-31		JC73820-11	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Acenaphthene	*83-32-9*	*20*	--	0.013	U	0.013	U	0.013	U	NA		NA		0.013	U
Acenaphthylene	*208-96-8*	*682*	--	0.019	U	0.055		0.020	U	NA		NA		0.019	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	0.023	U	0.07		0.024	U	NA		NA		0.023	U
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	0.017	U	0.2		0.018	U	NA		NA		0.15	
Benzo(a)anthracene	*56-55-3*	*5.21*	--	0.011	U	0.22		0.011	U	NA		NA		0.12	
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	0.017	U	0.31		0.017	U	NA		NA		0.19	
Benzo(ghi)perylene	*191-24-2*	*119*	--	0.019	U	0.15		0.019	U	NA		NA		0.11	
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.018	U	0.098		0.018	U	NA		NA		0.077	
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	0.012	U	0.27		0.012	U	NA		NA		0.15	

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			Sample No.:	P103: 13 1/2-14'		P104: 1-2'		P104: 6 1/2-7 1/2'		P109: 10-10 1/2'		P109: 17-17 1/2'		P119: 0-1/2'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/25/2018		5/25/2018		9/13/2018	
			Depth (ft):	13.5-14		1-2		6.5-7.5		10-10.5		17-17.5		0-0.5	
			LAB Sample ID:	JC66860-9		JC66860-11		JC66860-13		JC66860-30		JC66860-31		JC73820-11	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	0.017	U	0.039		0.017	U	NA		NA		0.022	J
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	0.017	U	0.43		0.017	U	NA		NA		0.22	
Fluorene	*86-73-7*	*122*	--	0.017	U	0.017	U	0.018	U	NA		NA		0.017	U
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	ND		**1.847**		ND		NA		NA		**1.136**	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	0.018	U	0.15		0.018	U	NA		NA		0.087	
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	0.14		0.745		0.51		10		0.4		0.357	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	**0.14**		0.010	U	**0.51**		**10**		**0.4**	J	0.017	J
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P103: 13 1/2-14'		P104: 1-2'		P104: 6 1/2-7 1/2'		P109: 10-10 1/2'		P109: 17-17 1/2'		P119: 0-1/2'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/25/2018		5/25/2018		9/13/2018	
			Depth (ft):	13.5-14		1-2		6.5-7.5		10-10.5		17-17.5		0-0.5	
			LAB Sample ID:	JC66860-9		JC66860-11		JC66860-13		JC66860-30		JC66860-31		JC73820-11	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
2-Nitrophenol	*88-75-5*	--	--	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*	NA		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	NA		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--	NA		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--	NA		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*	NA		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--	0.013	U	0.19		0.013	U	NA		NA		0.12	
Phenol	*108-95-2*	*30*	*120*	NA		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--	0.012	U	0.41		0.012	U	NA		NA		0.23	
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--	NA		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	NA		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--	0.14		2.592		0.51		10		0.4		1.493	
Total PCBs	*1336-36-3*	*0.000332*	*40*	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--	NA		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--	NA		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--	NA		NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P119: 1 1/2-2'		P119: 1/2-1'		P120: 0-1/2'		P120: 1 1/2-2'		P120: 1/2-1'	
			Date Sampled:	9/13/2018		9/13/2018		9/13/2018		9/13/2018		9/13/2018	
			Depth (ft):	1.5-2		0.5-1		0-0.5		1.5-2		0.5-1	
			LAB Sample ID:	JC73820-13		JC73820-12		JC73820-14		JC73820-16		JC73820-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***										
Acenaphthene	*83-32-9*	*20*	--	0.017	J	0.013	U	0.014	U	0.012	U	0.063	U
Acenaphthylene	*208-96-8*	*682*	--	0.058		0.031	J	0.020	U	0.037		0.092	U
Acetophenone	*98-86-2*	--	--	NA		NA		NA		NA		NA	
Anthracene	*120-12-7*	*1480*	--	0.1		0.059		0.036	J	0.062		0.11	U
Aroclor 1016	*12674-11-2*	--	--	NA		NA		NA		NA		NA	
Aroclor 1221	*11104-28-2*	--	--	NA		NA		NA		NA		NA	
Aroclor 1232	*11141-16-5*	--	--	NA		NA		NA		NA		NA	
Aroclor 1242	*53469-21-9*	--	--	NA		NA		NA		NA		NA	
Aroclor 1248	*12672-29-6*	--	--	NA		NA		NA		NA		NA	
Aroclor 1254	*11097-69-1*	--	--	NA		NA		NA		NA		NA	
Aroclor 1260	*11096-82-5*	--	--	NA		NA		NA		NA		NA	
Aroclor 1262	*37324-23-5*	--	--	NA		NA		NA		NA		NA	
Aroclor 1268	*11100-14-4*	--	--	NA		NA		NA		NA		NA	
Atrazine	*1912-24-9*	--	--	NA		NA		NA		NA		NA	
Benzaldehyde	*100-52-7*	--	--	NA		NA		NA		NA		NA	
Benzo(a)pyrene	*50-32-8*	*1.52*	--	0.57		0.25		0.14		0.38		0.083	U
Benzo(a)anthracene	*56-55-3*	*5.21*	--	0.48		0.22		0.12		0.28		0.076	J
Benzo(b)fluoranthene	*205-99-2*	*59.8*	--	0.73		0.33		0.17		0.46		0.082	J
Benzo(ghi)perylene	*191-24-2*	*119*	--	0.42		0.17		0.092		0.25		0.091	U
Benzo(k)fluoranthene	*207-08-9*	*148*	--	0.36		0.14		0.087		0.23		0.085	U
1,1-Biphenyl	*92-52-4*	*60*	--	NA		NA		NA		NA		NA	
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	*111-44-4*	*23.7*	--	NA		NA		NA		NA		NA	
bis(2-Chloroisopropyl)ether	*108-60-1*	*19.9*	--	NA		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	*117-81-7*	*0.925*	--	NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	*101-55-3*	--	--	NA		NA		NA		NA		NA	
Butyl benzyl phthalate	*85-68-7*	*0.239*	--	NA		NA		NA		NA		NA	
Caprolactam	*105-60-2*	--	--	NA		NA		NA		NA		NA	
Carbazole	*86-74-8*	--	--	NA		NA		NA		NA		NA	
2-Chloronaphthalene	*91-58-7*	*0.0122*	--	NA		NA		NA		NA		NA	
2-Chlorophenol	*95-57-8*	*0.243*	--	NA		NA		NA		NA		NA	
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	NA		NA		NA		NA		NA	
Chrysene	*218-01-9*	*4.73*	--	0.63		0.29		0.15		0.41		0.079	J

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P119: 1 1/2-2'		P119: 1/2-1'		P120: 0-1/2'		P120: 1 1/2-2'		P120: 1/2-1'	
			Date Sampled:	9/13/2018		9/13/2018		9/13/2018		9/13/2018		9/13/2018	
			Depth (ft):	1.5-2		0.5-1		0-0.5		1.5-2		0.5-1	
			LAB Sample ID:	JC73820-13		JC73820-12		JC73820-14		JC73820-16		JC73820-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***										
Dibenz(a,h)anthracene	*53-70-3*	*18.4*	--	0.098		0.044		0.02	J	0.064		0.080	U
Dibenzofuran	*132-64-9*	--	--	NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	*91-94-1*	*0.646*	--	NA		NA		NA		NA		NA	
2,4-Dichlorophenol	*120-83-2*	*87.5*	--	NA		NA		NA		NA		NA	
Diethyl phthalate	*84-66-2*	*24.8*	*100*	NA		NA		NA		NA		NA	
2,4-Dimethyl phenol	*105-67-9*	*0.01*	--	NA		NA		NA		NA		NA	
Dimethyl phthalate	*131-11-3*	--	--	NA		NA		NA		NA		NA	
Di-n-butyl phthalate	*84-74-2*	*0.15*	*200*	NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	NA		NA		NA		NA		NA	
2,4-Dinitrophenol	*51-28-5*	*0.0609*	*20*	NA		NA		NA		NA		NA	
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	*121-14-2*	*1.28*	--	NA		NA		NA		NA		NA	
2,6-Dinitrotoluene	*606-20-2*	--	--	NA		NA		NA		NA		NA	
Di-n-octyl phthalate	*117-84-0*	--	--	NA		NA		NA		NA		NA	
1,4-Dioxane	*123-91-1*	--	--	NA		NA		NA		NA		NA	
Fluoranthene	*206-44-0*	*122*	--	0.95		0.38		0.22		0.5		0.09	J
Fluorene	*86-73-7*	*122*	--	0.021	J	0.017	U	0.018	U	0.016	U	0.083	U
Hexachlorobenzene	*118-74-1*	*0.199*	--	NA		NA		NA		NA		NA	
Hexachlorobutadiene	*87-68-3*	*0.0398*	--	NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	*77-47-4*	*0.755*	*10*	NA		NA		NA		NA		NA	
Hexachloroethane	*67-72-1*	*0.596*	--	NA		NA		NA		NA		NA	
High Molecular Weight PAHs	*SRP420*	*1.1*	*18*	**4.748**		**2.134**		**1.132**		**2.924**		0.357	
Indeno(1,2,3-cd)pyrene	*193-39-5*	*109*	--	0.36		0.15		0.073		0.22		0.085	U
Isophorone	*78-59-1*	*139*	--	NA		NA		NA		NA		NA	
Low Molecular Weight PAHs	*SRP419*	*29*	*100*	1.536		0.66		0.396		0.789		0.09	
2-Methylnaphthalene	*91-57-6*	*3.24*	--	NA		NA		NA		NA		NA	
2-Methylphenol	*95-48-7*	--	--	NA		NA		NA		NA		NA	
3&4-Methylphenol	*65794-96-9*	--	--	NA		NA		NA		NA		NA	
Naphthalene	*91-20-3*	*0.0994*	--	0.010	U	0.010	U	0.011	U	0.010	U	0.051	U
2-Nitroaniline	*88-74-4*	--	--	NA		NA		NA		NA		NA	
3-Nitroaniline	*99-09-2*	--	--	NA		NA		NA		NA		NA	
4-Nitroaniline	*100-01-6*	--	--	NA		NA		NA		NA		NA	
Nitrobenzene	*98-95-3*	*1.31*	--	NA		NA		NA		NA		NA	

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Table 1-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P119: 1 1/2-2'		P119: 1/2-1'		P120: 0-1/2'		P120: 1 1/2-2'		P120: 1/2-1'	
				Date Sampled:	9/13/2018		9/13/2018		9/13/2018		9/13/2018		9/13/2018	
				Depth (ft):	1.5-2		0.5-1		0-0.5		1.5-2		0.5-1	
				LAB Sample ID:	JC73820-13		JC73820-12		JC73820-14		JC73820-16		JC73820-15	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***											
2-Nitrophenol	*88-75-5*	--	--		NA		NA		NA		NA		NA	
4-Nitrophenol	*100-02-7*	*5.12*	*7*		NA		NA		NA		NA		NA	
n-Nitrosodi-n-propylamine	*621-64-7*	--	--		NA		NA		NA		NA		NA	
n-Nitrosodiphenylamine	*86-30-6*	*0.545*	--		NA		NA		NA		NA		NA	
p-Chloroaniline	*106-47-8*	--	--		NA		NA		NA		NA		NA	
p-Chloro-m-cresol	*59-50-7*	--	--		NA		NA		NA		NA		NA	
Pentachlorophenol	*87-86-5*	*0.119*	*31*		NA		NA		NA		NA		NA	
Phenanthrene	*85-01-8*	*45.7*	--		0.39		0.19		0.14		0.19		0.061	U
Phenol	*108-95-2*	*30*	*120*		NA		NA		NA		NA		NA	
Pyrene	*129-00-0*	*78.5*	--		1.1		0.54		0.28		0.63		0.12	J
1,2,4,5-Tetrachlorobenzene	*95-94-3*	*2.02*	--		NA		NA		NA		NA		NA	
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--		NA		NA		NA		NA		NA	
Total PAHs	*130498-29-2*	--	--		6.284		2.794		1.528		3.713		0.447	
Total PCBs	*1336-36-3*	*0.000332*	*40*		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	*95-95-4*	*4*	*9*		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	*88-06-2*	*4*	--		NA		NA		NA		NA		NA	
Total SVOC TIC	*SRP171*	--	--		NA		NA		NA		NA		NA	
Total VOC and SVOC TICs	*SRP351*	--	--		NA		NA		NA		NA		NA	

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TABLE 1-3

Summary of Metals in Soil

Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P8:6'		P8:12'		P10:0-1'		P10:3'		P12:0-6		P12:5'	
			Date Sampled:	5/8/2017		5/8/2017		5/9/2017		5/9/2017		5/8/2017		5/8/2017	
			Depth (ft):	6-6		12-12		0-1		3-3		0-0.5		5-5	
			LAB Sample ID:	JC42929-24		JC42929-25		JC42929-30R		JC42929-31R		JC42929-1		JC42929-2	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		**19100**		**9990**		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		*0.64*	U	*0.32*	U	NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		0.23	U	7.4		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		80.2		57.7		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		0.33		0.62		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		**1.3**		0.055	U	NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		13200		2.1	U	NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		**50.7**		**27.6**		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		**18.3**		**5.5**		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		**139**		**17.1**		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		28300		25000		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***6.8***		***10.5***		***241***		***190***		***50.9***		***25.5***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		12200		857		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		**393**		63.9		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		*0.0056*	U	***0.29***		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		**38.3**		10.9		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		20	U	1670		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		*0.51*	U	*0.51*	U	NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		0.22	U	0.11	U	NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		1780		4.3	U	NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		0.88	U	0.44	U	NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		**73.9**		**28.2**		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		**572**		**65.3**		NA		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P12:6 1/2'		P13:0-6		P13:4'		P13:6'		P14:0-6		P14:5'	
			Date Sampled:	5/8/2017		5/8/2017		5/8/2017		5/8/2017		5/8/2017		5/8/2017	
			Depth (ft):	6.5-6.5		0-0.5		4-4		6-6		0-0.5		5-5	
			LAB Sample ID:	JC42929-3		JC42929-4		JC42929-5		JC42929-6		JC42929-7		JC42929-8	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***9.5***		***14.6***		***529***		***49.9***		***7.8***		***55***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P15:0-6		P15:5'		P16:0-6		P16:4'		P17:4'		P17:9'	
			Date Sampled:	5/8/2017		5/8/2017		5/8/2017		5/8/2017		4/28/2017		4/28/2017	
			Depth (ft):	0-0.5		5-5		0-0.5		4-4		4-4		9-9	
			LAB Sample ID:	JC42929-9		JC42929-10		JC42929-11		JC42929-12		JC42231-19		JC42231-20	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		**12400**		**16500**	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		*0.34*	U	*0.34*	U
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		7		4.9	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		45.8		74.2	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		0.88		0.39	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		0.059	U	0.059	U
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		1100		2.2	U
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		**25.2**		**24.5**	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		**7.6**		0.069	U
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		**21.8**		**15.8**	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		28300		17200	
Lead	*7439-92-1*	*0.0537*	*1700*	***112***		***11.2***		***6.2***		***14.9***		**27**		***11.7***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		1170		1380	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		72.7		42.1	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		***0.043***		*0.0060*	U
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		**20.7**		9.7	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		22	U	22	U
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		*0.55*	U	*0.54*	U
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		0.12	U	0.12	U
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		4.6	U	4.5	U
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		0.47	U	0.47	U
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		**37.2**		**39.4**	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		**59.2**		**35.5**	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P20:5'		P22:0-6		P25:5-5 1/2'		P26:3 1/2'		P27:3 1/2'		P28:3 1/2'	
				Date Sampled:	5/8/2017		5/8/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017	
				Depth (ft):	5-5		0-0.5		5-5.5		3.5-3.5		3.5-3.5		3.5-3.5	
				LAB Sample ID:	JC42929-22R		JC42929-49R		JC42929-43		JC42929-44		JC42929-45		JC42929-47	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***													
Aluminum	*7429-90-5*	*50*	*--*		**26800**		**9880**		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*		*0.36*	U	*0.29*	U	NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*		5.2		2.7		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*		79.7		75.9		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*		0.59		0.27		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*		0.062	U	**0.79**		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*		827		11100		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*		**28.8**		**26.5**		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*		0.073	U	**6.1**		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*		**16.8**		**458**		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*		19300		13000		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*		***16.2***		***54.4***		***13.6***		***220***		***7.7***		***39.3***	
Magnesium	*7439-95-4*	*--*	*--*		1370		3560		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*		27.3		**242**		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*		*0.0062*	U	***0.1***		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*		10		**16.5**		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*		23	U	1030		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*		*0.57*	U	*0.46*	U	NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*		0.12	U	0.099	U	NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*		4.8	U	3.9	U	NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*		0.49	U	0.4	U	NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*		**48.7**		**26.3**		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*		**37.6**		**241**		NA		NA		NA		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P29:3 1/2'		P30:6 1/2-7'		P30:8'		P30:17-18'		P30:21'		P31:6 1/2'	
			Date Sampled:	5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017	
			Depth (ft):	3.5-3.5		6.5-7		8-8		17-18		21-21		6.5-6.5	
			LAB Sample ID:	JC42929-46		JC42929-36		JC42929-37		JC42929-38		JC42929-39		JC42929-41	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***46.3***		***11.5***		***8***		***36.8***		***18.9***		***20.3***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P31:9'		P32:4 1/2'		P32:15'		P33:4 1/2'		P33:15'		P34:16'	
			Date Sampled:	5/9/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	9-9		4.5-4.5		15-15		4.5-4.5		16-16		16-16	
			LAB Sample ID:	JC42929-42		JC42231-7		JC42231-8		JC42231-14		JC42231-15		JC42231-13	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***10.7***		***5.7***		***2.5***		***10.8***		***31***		***15.1***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P35:5 1/2-6'		P35:7-7 1/2'		P36:6'		P36:12'		P37:3'		P37:7'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/28/2017	
			Depth (ft):	5.5-6		7-7.5		6-6		12-12		3-3		7-7	
			LAB Sample ID:	JC42231-11		JC42231-12		JC42231-9		JC42231-10		JC42231-1		JC42231-2	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***8.1***		***5.8***		***9.6***		***8.9***		***8.6***		***3***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P38:3'		P38:8'		P38:13'		P38:18'		P39:15'		P40:6'	
			Date Sampled:	4/28/2017		4/28/2017		4/28/2017		4/28/2017		4/27/2017		5/8/2017	
			Depth (ft):	3-3		8-8		13-13		18-18		15-15		6-6	
			LAB Sample ID:	JC42231-3		JC42231-4		JC42231-5		JC42231-6		JC42109-10		JC42929-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***11.3***		***14.2***		***13.7***		***19.8***		***2.3***		***8.9***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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			Sample No.:	P40:15'		P41:5'		P41:10'		P42:6'		P42:8'		P43:1'	
			Date Sampled:	5/8/2017		5/8/2017		5/8/2017		5/8/2017		5/8/2017		4/27/2017	
			Depth (ft):	15-15		5-5		10-10		6-6		8-8		1-1	
			LAB Sample ID:	JC42929-16		JC42929-17		JC42929-18		JC42929-19		JC42929-20		JC42109-14	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***5.5***		***15.7***		***9.3***		***10.7***		***5.2***		***37.7***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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			Sample No.:	P43:2'		P43:6'		P44:3'		P44:7-7 1/2'		P45:5 1/2-6'		P45:12-12 1/2'	
			Date Sampled:	4/27/2017		4/27/2017		4/28/2017		4/28/2017		4/27/2017		4/27/2017	
			Depth (ft):	2-2		6-6		3-3		7-7.5		5.5-6		12-12.5	
			LAB Sample ID:	JC42109-15		JC42109-16		JC42231-16		JC42231-17		JC42109-11		JC42109-12	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***19.6***		***8.8***		***78.6***		***6.6***		***23.3***		***12.3***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P46:6-6 1/2'		P51:2 1/2-3'		P53: 4-4 1/2'		P54: 0-1/2'		P54: 1/2-1'		P55: 0-4	
			Date Sampled:	5/9/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017	
			Depth (ft):	6-6.5		2.5-3		4-4.5		0-0.5		0.5-1		0-0.33	
			LAB Sample ID:	JC42929-40		JC52433-1		JC52345-10		JC52345-34		JC52345-35		JC52345-36	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		**5160**		**13700**		**9020**		**12700**		**10800**	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		*0.37*	U	*0.37*	U	*0.44*	U
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		2.8		3		3.8	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		59.8		90		99.4	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		0.38		0.54		0.74	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		**1.3**		**1.8**		**0.87**	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		5390		8240		5730	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		**19.5**		**27.3**		**16**	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		0.069	U	**7.3**		**6.3**	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		**59.7**		**86.6**		**44.4**	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		8900		14200		11100	
Lead	*7439-92-1*	*0.0537*	*1700*	***12.9***		NA		NA		***45.4***		***68.6***		***56.8***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		2550		3760		1980	
Manganese	*7439-96-5*	*220*	*4300*	NA		**256**		17		90.1		162		168	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		***0.67***		***0.13***		***0.091***	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		**15.8**		**23.9**		**15.6**	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		30	U	30	U	36	U
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		*0.64*	U	*0.65*	U	*0.75*	U
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		0.28	U	0.29	U	0.34	U
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		13	U	14	U	16	U
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		0.4	U	0.4	U	0.47	U
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		**20.8**		**30**		**23.9**	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		**190**		**266**		**184**	

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			Sample No.:	P58:0-1/2'		P58:1 1/2-2'		P58:6-6 1/2'		P59:0-1/2'		P59:1 1/2-2'		P59:4 1/2-5'	
			Date Sampled:	10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
			Depth (ft):	0-0.5		1.5-2		6-6.5		0-0.5		1.5-2		4.5-5	
			LAB Sample ID:	JC52433-9		JC52433-10		JC52433-11		JC52433-14		JC52433-15		JC52433-16	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		**13100**		**18300**		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		*0.39*	U	*0.43*	U	NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		2.4		6.4		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		71.4		**445**		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		0.36		1.3		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		**0.55**		**0.74**		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		12800		3260		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		**43.8**		**33.5**		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		**10.6**		**14**		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		**101**		**77.3**		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		24300		36500		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***343***		***18.4***		**9**		***44.1***		***337***		***469***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		8270		8060		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		**351**		**372**		40.4	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		*0.015*	U	*0.015*	U	***0.33***		*0.016*	U
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		**26.9**		**38.7**		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		31	U	2930		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		*0.66*	U	*0.75*	U	NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		0.30	U	0.67	U	NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		2750		16	U	NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		0.41	U	**1.2**		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		**53.2**		**45.9**		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		**228**		***1280***		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P61:0-1/2'		P61:1 1/2-2'		P61:4-4 /1/2'		P62:0-1/2'		P62:1 1/2-2'		P62:5 1/2-6'	
				Date Sampled:		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
				Depth (ft):		0-0.5		1.5-2		4-4.5		0-0.5		1.5-2		5.5-6	
				LAB Sample ID:		JC52433-21		JC52433-22		JC52433-23		JC52433-26		JC52433-27		JC52433-29	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
Aluminum	*7429-90-5*	*50*	*--*	**16500**		**5360**		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	*0.38*	U	*0.40*	U	NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	2.3		6.3		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	39		37.3		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	0.21		0.25		NA		NA		NA		0.38	
Cadmium	*7440-43-9*	*0.36*	*140*	0.057	U	0.061	U	NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	9540		45	U	NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	**62.2**		**14**		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	**12.4**		0.075	U	NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	**129**		**16.2**		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	24600		7200		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	**79.9**		***88.7***		NA		***13.7***		***6.1***		NA	
Magnesium	*7439-95-4*	*--*	*--*	7690		14	U	NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	**277**		17.6		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	*0.014*	U	*0.014*	U	*0.017*	U	NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	**31.9**		0.26	U	NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	31	U	33	U	NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.65*	U	*0.69*	U	NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	0.29	U	0.31	U	NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	1680		15	U	NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	0.41	U	0.43	U	NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	**59.8**		**35**		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	**109**		**22.2**		NA		NA		NA		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P62:6-6 1/2'		P63:3-3 1/2'		P65: 1'		P65: 3 1/2'		P65: 6 1/2'		P66:0-1/2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/3/2017		10/4/2017	
			Depth (ft):	6-6.5		3-3.5		1-1		3.5-3.5		6.5-6.5		0-0.5	
			LAB Sample ID:	JC52433-28		JC52433-3		JC52345-7		JC52345-8		JC52345-9		JC52433-31	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		**7570**		NA		NA		NA		**16300**	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		*0.42*	U
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		2.5	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		50.6	
Beryllium	*7440-41-7*	*10*	*40*	NA		0.46		NA		NA		NA		0.39	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		**0.56**	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		11600	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		**41.8**	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		**15.2**	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		**78.8**	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		21400	
Lead	*7439-92-1*	*0.0537*	*1700*	***28.1***		NA		***165***		***13.9***		***20.6***		***33.8***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		8360	
Manganese	*7439-96-5*	*220*	*4300*	NA		**395**		NA		NA		NA		**381**	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		NA		NA		NA		NA		*0.014*	U
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		**34.1**	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		34	U
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		*0.72*	U
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		0.32	U
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		1410	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		0.45	U
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		**66.8**	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		**139**	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P66:1 1/2-2'		P66:6-6 1/2'		P67: 0- 1/2'		P67: 1 1/2-2'		P68:0-1/2'		P68:1 1/2-2'	
			Date Sampled:	10/4/2017		10/4/2017		10/3/2017		10/3/2017		10/4/2017		10/4/2017	
			Depth (ft):	1.5-2		6-6.5		0-0.5		1.5-2		0-0.5		1.5-2	
			LAB Sample ID:	JC52433-32		JC52433-33		JC52345-29		JC52345-30		JC52433-35		JC52433-36	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	**12800**		NA		NA		NA		**19600**		**2090**	
Antimony	*7440-36-0*	*0.27*	*78*	*0.43*	U	NA		NA		NA		*0.40*	U	*0.41*	U
Arsenic	*7440-38-2*	*9.9*	*46*	7.6		NA		NA		NA		0.27	U	0.28	U
Barium	*7440-39-3*	*283*	*2000*	154		NA		NA		NA		39.4		0.19	U
Beryllium	*7440-41-7*	*10*	*40*	1		NA		NA		NA		0.37		0.26	
Cadmium	*7440-43-9*	*0.36*	*140*	0.065	U	NA		NA		NA		0.061	U	0.063	U
Calcium	*7440-70-2*	*--*	*--*	4040		NA		NA		NA		10700		46	U
Chromium	*7440-47-3*	*0.4*	*1*	**28.1**		NA		NA		NA		**54.1**		**11.2**	
Cobalt	*7440-48-4*	*0.14*	*230*	**12.2**		NA		NA		NA		**17.1**		0.077	U
Copper	*7440-50-8*	*5.4*	*100*	**48.4**		NA		NA		NA		**91**		2.8	
Iron	*7439-89-6*	*--*	*--*	29700		NA		NA		NA		25400		10100	
Lead	*7439-92-1*	*0.0537*	*1700*	***226***		***9***		***35.6***		***19.2***		***15.7***		***3.4***	
Magnesium	*7439-95-4*	*--*	*--*	5890		NA		NA		NA		10000		15	U
Manganese	*7439-96-5*	*220*	*4300*	**1380**		NA		NA		NA		**415**		31.9	
Mercury	*7439-97-6*	*0.00051*	*0.3*	***0.3***		NA		NA		NA		*0.015*	U	*0.014*	U
Nickel	*7440-02-0*	*13.6*	*280*	**31.8**		NA		NA		NA		**36.4**		0.27	U
Potassium	*7440-09-7*	*--*	*--*	2300		NA		NA		NA		32	U	33	U
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.74*	U	NA		NA		NA		*0.69*	U	*0.71*	U
Silver	*7440-22-4*	*2*	*560*	0.33	U	NA		NA		NA		0.31	U	0.32	U
Sodium	*7440-23-5*	*--*	*--*	16	U	NA		NA		NA		1760		15	U
Thallium	*7440-28-0*	*1*	*--*	0.92	U	NA		NA		NA		0.43	U	0.44	U
Vanadium	*7440-62-2*	*2*	*280*	**40.7**		NA		NA		NA		**74.7**		**19.5**	
Zinc	*7440-66-6*	*6.62*	*160*	**597**		NA		NA		NA		**63.2**		4.2	U

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P68:6-6 1/2'		P69: 1-1 1/2'		P69: 1/2-1'		P72:1-2'		P72:3 1/2-4'		P73: 3'	
			Date Sampled:	10/4/2017		10/3/2017		10/3/2017		10/4/2017		10/4/2017		10/3/2017	
			Depth (ft):	6-6.5		1-1.5		0.5-1		1-2		3.5-4		3-3	
			LAB Sample ID:	JC52433-37		JC52345-32		JC52345-31		JC52433-39		JC52433-40		JC52345-23	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	**4350**		**14700**		**12600**		NA		NA		**17700**	
Antimony	*7440-36-0*	*0.27*	*78*	*0.40*	U	*0.4*	U	*0.44*	U	NA		NA		*0.44*	U
Arsenic	*7440-38-2*	*9.9*	*46*	0.27	U	4.7		3.3		NA		NA		8.3	
Barium	*7440-39-3*	*283*	*2000*	0.19	U	91.7		68.9		NA		NA		52.1	
Beryllium	*7440-41-7*	*10*	*40*	0.23		0.57		0.44		NA		NA		0.43	
Cadmium	*7440-43-9*	*0.36*	*140*	0.062	U	**1.6**		**1.1**		NA		NA		0.067	U
Calcium	*7440-70-2*	*--*	*--*	45	U	9080		7480		NA		NA		1760	
Chromium	*7440-47-3*	*0.4*	*1*	**13.7**		**44**		**34.8**		NA		NA		**24.8**	
Cobalt	*7440-48-4*	*0.14*	*230*	0.076	U	**12.2**		**10**		NA		NA		0.082	U
Copper	*7440-50-8*	*5.4*	*100*	**9.9**		**276**		**239**		NA		NA		**11.4**	
Iron	*7439-89-6*	*--*	*--*	5910		24800		18500		NA		NA		20400	
Lead	*7439-92-1*	*0.0537*	*1700*	***4.7***		***99.4***		***63.9***		NA		***555***		***13.2***	
Magnesium	*7439-95-4*	*--*	*--*	14	U	5710		4700		NA		NA		1390	
Manganese	*7439-96-5*	*220*	*4300*	6.6		**650**		**508**		NA		NA		34.8	
Mercury	*7439-97-6*	*0.00051*	*0.3*	*0.015*	U	***0.13***		***0.14***		***0.5***		NA		*0.016*	U
Nickel	*7440-02-0*	*13.6*	*280*	0.27	U	**28.7**		**27.9**		NA		NA		8.5	
Potassium	*7440-09-7*	*--*	*--*	33	U	1140		36	U	NA		NA		36	U
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.70*	U	*0.69*	U	*0.75*	U	NA		NA		*0.76*	U
Silver	*7440-22-4*	*2*	*560*	0.31	U	0.31	U	0.34	U	NA		NA		0.34	U
Sodium	*7440-23-5*	*--*	*--*	15	U	15	U	16	U	NA		NA		16	U
Thallium	*7440-28-0*	*1*	*--*	0.44	U	0.43	U	0.47	U	NA		NA		0.47	U
Vanadium	*7440-62-2*	*2*	*280*	**25.8**		**45.3**		**39.2**		NA		NA		**36.7**	
Zinc	*7440-66-6*	*6.62*	*160*	4.1	U	**440**		**348**		NA		NA		**31.1**	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P74: 6-6 1/2'		P75: 5 1/2-6'		P76: 0-1'		P76: 4-4 1/2'		P77		P77	
			Date Sampled:	10/3/2017		10/3/2017		10/3/2017		10/3/2017		2/21/2018		2/21/2018	
			Depth (ft):	6-6.5		5.5-6		0-1		4-4.5		0-0.5		1.5-2	
			LAB Sample ID:	JC52345-11		JC52345-12		JC52345-5		JC52345-6		JC61183-1		JC61183-2	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	**10500**		**3500**		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	*0.42*	U	NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	3.7		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	37.5		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	0.67		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	0.064	U	NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	47	U	NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	**18.4**		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	**7.8**		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	**15.2**		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	10900		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	**9.2**		NA		***31***		***39.8***		***19.2***		***9.7***	
Magnesium	*7439-95-4*	*--*	*--*	1580		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	36.4		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	*0.016*	U	NA		NA		NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	10.6		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	34	U	NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.72*	U	NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	0.32	U	NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	15	U	NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	0.45	U	NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	**25.3**		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	**40.3**		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P77		P80:0-1/2'		P82:0-0.5'		P82:1.5-2'		P82:5.5-6'		P83:4 1/2'	
			Date Sampled:	2/21/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018	
			Depth (ft):	10.5-11		0-0.5		0-0.5		1.5-2		5.5-6		4.5-4.5	
			LAB Sample ID:	JC61183-4		JC61097-3		JC61097-5		JC61097-6		JC61097-7		JC61097-8	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		**11400**		**9330**		**6600**		**6660**	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		*0.50*	U	*0.47*	U	*0.44*	U	NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		8.1		3		**20.5**		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		37.3		47.3		0.20	U	NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		0.56		0.33		0.39		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		0.076	U	0.072	U	0.067	U	NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		1230		53	U	49	U	NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		**21.5**		**9.5**		**18.8**		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		0.093	U	0.088	U	0.082	U	NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		**27.5**		**8.9**		**29.2**		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		20600		5240		13500		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	NA		NA		***40.4***		***22***		***16.9***		NA	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		1230		17	U	16	U	NA	
Manganese	*7439-96-5*	*220*	*4300*	18.9		29.8		55.6		16.6		12.7		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		***0.064***		***0.042***		***0.045***		*0.017*	U	NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		7.3		0.31	U	0.29	U	NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		1450		38	U	36	U	NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		*0.86*	U	*0.81*	U	*0.76*	U	NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		0.38	U	0.36	U	0.34	U	NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		18	U	17	U	16	U	NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		0.54	U	0.51	U	0.47	U	NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		**35.8**		**15.5**		**46.1**		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		**54.9**		**23.5**		**10.1**		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P85:0-1/2'		P85:1 1/2-2'		P85:3 1/2-4'		P86:0-1/2'		P86:1 1/2-2'		P87:4-4 1/2'	
			Date Sampled:	2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018	
			Depth (ft):	0-0.5		1.5-2		3.5-4		0-0.5		1.5-2		4-4.5	
			LAB Sample ID:	JC61097-11		JC61097-12		JC61097-13		JC61097-14		JC61097-15		JC61097-16	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	**16000**		**10200**		**9890**		NA		NA		**15800**	
Antimony	*7440-36-0*	*0.27*	*78*	*0.44*	U	*1.3*	U	*1.3*	U	NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	0.30	U	**16**		**11.4**		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	**401**		0.20	U	0.20	U	NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	1.9		1.2		1		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	0.066	U	0.065	U	0.066	U	NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	60900		877		49	U	NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	***20.1***		**37.3**		**58.4**		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	0.081	U	0.080	U	0.081	U	NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	**21.3**		1.3	U	1.4	U	NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	8380		51800		46700		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***24.7***		***18.6***		*1.2*	U	***25.7***		***3.7***		NA	
Magnesium	*7439-95-4*	*--*	*--*	25500		1020		843		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	**2040**		56.9		18.2		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	*0.017*	U	*0.016*	U	*0.015*	U	NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	13.3		7		4.7		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	2360		2360		2330		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.75*	U	*2.2*	U	*2.2*	U	NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	1.0	U	0.99	U	1.0	U	NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	16	U	15	U	16	U	NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	1.4	U	1.4	U	1.4	U	NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	**36.2**		**50.2**		**49.5**		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	**92.2**		**71.6**		**29.7**		NA		NA		**58.5**	

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			Sample No.:	P87:6-6 1/2'		P88:0-1/2'		P88:1 1/2-2'		P88:3-3 1/2'		P89:3 1/2-4'		P90	
			Date Sampled:	2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/21/2018	
			Depth (ft):	6-6.5		0-0.5		1.5-2		3-3.5		3.5-4		10-10.5	
			LAB Sample ID:	JC61097-17		JC61097-18		JC61097-19		JC61097-20		JC61097-21		JC61183-14	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***147***		NA		NA		NA		***8.2***		***5.3***	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		***0.093***		*0.014*	U	*0.015*	U	*0.016*	U	NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P90		P90		P90		P91:0-1/2'		P91:1 1/2-2'		P91:5-5 1/2'	
			Date Sampled:	2/21/2018		2/21/2018		2/21/2018		2/20/2018		2/20/2018		2/20/2018	
			Depth (ft):	3.5-4		3.5-4		5.5-6		0-0.5		1.5-2		5-5.5	
			LAB Sample ID:	JC61183-12		JC61183-11		JC61183-13		JC61097-22		JC61097-23		JC61097-24	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		NA		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		NA		NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		NA		NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		NA		NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	NA		NA		NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		NA		NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		NA		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		NA		NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		NA		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	NA		***15.4***		***10.7***		NA		NA		NA	
Magnesium	*7439-95-4*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	NA		NA		NA		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	*0.017*	U	NA		NA		*0.015*	U	***0.75***		***0.046***	
Nickel	*7440-02-0*	*13.6*	*280*	NA		NA		NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		NA		NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		NA		NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		NA		NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		NA		NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		NA		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		NA		NA		NA		NA		NA	

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			Sample No.:	P92:0-1/2'		P92:1.5-2'		P92:6-6 1/2'		P93:1'		P93:2 1/2-3'		P94:4-4 1/2'	
			Date Sampled:	2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018		2/20/2018	
			Depth (ft):	0-0.5		1.5-2		6-6.5		1-1		2.5-3		4-4.5	
			LAB Sample ID:	JC61097-25		JC61097-26		JC61097-27		JC61097-28		JC61097-29		JC61097-31	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	**23500**		**3110**		**20000**		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	*0.42*	U	*0.42*	U	*0.46*	U	NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	2.6		3.5		3.7		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	57.2		0.20	U	57.4		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	0.38		0.31		0.56		NA		NA		0.3	
Cadmium	*7440-43-9*	*0.36*	*140*	0.064	U	0.064	U	0.070	U	NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	11200		48	U	52	U	NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	**68.5**		**7.2**		**26.7**		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	**18**		0.079	U	0.086	U	NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	**273**		3.3		**7.9**		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	29900		13100		16400		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***16.7***		***5.5***		***15.4***		***85.8***		***209***		NA	
Magnesium	*7439-95-4*	*--*	*--*	12500		15	U	1330		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	**432**		54.1		35.1		NA		NA		38	
Mercury	*7439-97-6*	*0.00051*	*0.3*	*0.016*	U	*0.016*	U	*0.017*	U	NA		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	**36.8**		0.28	U	8.1		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	1760		34	U	37	U	NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.72*	U	*0.73*	U	*0.79*	U	NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	0.32	U	0.33	U	0.35	U	NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	1730		15	U	17	U	NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	0.45	U	0.46	U	0.49	U	NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	**80**		**17.9**		**35.1**		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	**77.9**		**8.9**		**27**		NA		NA		NA	

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			Sample No.:	P96		P99		P100		P101: 3-4'		P102: 0-1/2'		P102: 1-2'	
			Date Sampled:	2/21/2018		2/21/2018		2/21/2018		5/24/2018		5/24/2018		5/24/2018	
			Depth (ft):	4.5-5		0-0.25		0-0.25		3-4		0-0.5		1-2	
			LAB Sample ID:	JC61183-6		JC61183-17		JC61183-18		JC66860-1		JC66860-2		JC66860-3	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		**13600**		**8380**		NA		**11900**		**18600**	
Antimony	*7440-36-0*	*0.27*	*78*	NA		*0.43*	U	*0.52*	U	NA		*0.48*	U	***2.5***	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		4		0.35	U	NA		3		7.4	
Barium	*7440-39-3*	*283*	*2000*	NA		34.7		0.24	U	NA		64.2		176	
Beryllium	*7440-41-7*	*10*	*40*	NA		0.48		0.34		NA		0.41		1.3	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		**0.78**		0.08	U	NA		**1**		0.067	U
Calcium	*7440-70-2*	*--*	*--*	NA		11900		6270		NA		6660		3280	
Chromium	*7440-47-3*	*0.4*	*1*	NA		**30**		**39.8**		NA		**32.4**		**37.4**	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		**9.6**		0.098	U	NA		**11.6**		**22.1**	
Copper	*7440-50-8*	*5.4*	*100*	NA		**48.2**		**33.4**		NA		**47.1**		**23.1**	
Iron	*7439-89-6*	*--*	*--*	NA		20900		15100		NA		18800		43600	
Lead	*7439-92-1*	*0.0537*	*1700*	NA		***17.5***		***20.1***		NA		***108***		***69.2***	
Magnesium	*7439-95-4*	*--*	*--*	NA		8230		3470		NA		4710		8610	
Manganese	*7439-96-5*	*220*	*4300*	NA		**301**		**260**		23.5		**319**		**980**	
Mercury	*7439-97-6*	*0.00051*	*0.3*	***0.042***		*0.012*	U	*0.015*	U	NA		***0.074***		***0.09***	
Nickel	*7440-02-0*	*13.6*	*280*	NA		**25.7**		**13.9**		NA		**23.2**		**39.7**	
Potassium	*7440-09-7*	*--*	*--*	NA		1210		42	U	NA		39	U	3250	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		*0.74*	U	*0.9*	U	NA		*0.83*	U	*1.5*	U
Silver	*7440-22-4*	*2*	*560*	NA		0.33	U	0.4	U	NA		0.37	U	0.68	U
Sodium	*7440-23-5*	*--*	*--*	NA		1290		19	U	NA		17	U	16	U
Thallium	*7440-28-0*	*1*	*--*	NA		0.46	U	0.56	U	NA		0.52	U	0.95	U
Vanadium	*7440-62-2*	*2*	*280*	NA		**47.1**		**49.6**		NA		**42.2**		**40.1**	
Zinc	*7440-66-6*	*6.62*	*160*	NA		**82**		**132**		NA		**357**		**99.8**	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P102: 5-6'		P103: 0-1/2'		P103: 1-2'		P104: 0-1/2'		P105: 0-1/2'		P105: 1 1/2-2'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018	
			Depth (ft):	5-6		0-0.5		1-2		0-0.5		0-0.5		1.5-2	
			LAB Sample ID:	JC66860-4		JC66860-6		JC66860-7		JC66860-10		JC66860-14		JC66860-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	NA		**18900**		**12800**		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	NA		*0.47*	U	*0.44*	U	NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	NA		2.8		3.5		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	NA		49.9		99		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	0.45		0.37		0.83		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	NA		**0.75**		0.067	U	NA		0.084	U	0.072	U
Calcium	*7440-70-2*	*--*	*--*	NA		9650		2480		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	NA		**52.9**		**26.1**		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	NA		**15.9**		**11.9**		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	NA		**80.9**		**15.5**		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	NA		27000		28300		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***9***		***37.4***		***28.4***		NA		NA		NA	
Magnesium	*7439-95-4*	*--*	*--*	NA		9560		6520		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	38.4		**392**		**438**		NA		NA		NA	
Mercury	*7439-97-6*	*0.00051*	*0.3*	NA		*0.017*	U	***0.057***		***0.089***		NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	NA		**38.2**		**26.4**		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	NA		38	U	2000		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	NA		*0.80*	U	*0.75*	U	NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	NA		0.36	U	0.34	U	NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	NA		1360		16	U	NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	NA		0.50	U	0.47	U	NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	NA		**69**		**31.8**		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	NA		**104**		**65.3**		NA		**79.1**		**64.8**	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P106: 0-1/2'		P106: 1 1/2-2'		P107: 0-1/2'		P107: 1-1 1/2'		P108: 0-1/2'		P108: 1-1 1/2'	
			Date Sampled:	5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018		5/24/2018	
			Depth (ft):	0-0.5		1.5-2		0-0.5		1-1.5		0-0.5		1-1.5	
			LAB Sample ID:	JC66860-16		JC66860-17		JC66860-18		JC66860-19		JC66860-20		JC66860-21	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	**7980**		**4490**		NA		NA		NA		NA	
Antimony	*7440-36-0*	*0.27*	*78*	*0.47*	U	*0.40*	U	NA		NA		NA		NA	
Arsenic	*7440-38-2*	*9.9*	*46*	4.7		0.27	U	NA		NA		NA		NA	
Barium	*7440-39-3*	*283*	*2000*	31.9		0.19	U	NA		NA		NA		NA	
Beryllium	*7440-41-7*	*10*	*40*	0.3		0.053	U	NA		NA		NA		NA	
Cadmium	*7440-43-9*	*0.36*	*140*	0.071	U	0.062	U	NA		NA		NA		NA	
Calcium	*7440-70-2*	*--*	*--*	1090		46	U	NA		NA		NA		NA	
Chromium	*7440-47-3*	*0.4*	*1*	**12.7**		**6.9**		NA		NA		NA		NA	
Cobalt	*7440-48-4*	*0.14*	*230*	0.088	U	0.076	U	NA		NA		NA		NA	
Copper	*7440-50-8*	*5.4*	*100*	**17.9**		**7.1**		NA		NA		NA		NA	
Iron	*7439-89-6*	*--*	*--*	9110		5200		NA		NA		NA		NA	
Lead	*7439-92-1*	*0.0537*	*1700*	***57.3***		***6.3***		NA		NA		***61.9***		NA	
Magnesium	*7439-95-4*	*--*	*--*	827		14	U	NA		NA		NA		NA	
Manganese	*7439-96-5*	*220*	*4300*	35		18.4		NA		NA		NA		17.5	
Mercury	*7439-97-6*	*0.00051*	*0.3*	***0.052***		*0.015*	U	***0.046***		*0.016*	U	NA		NA	
Nickel	*7440-02-0*	*13.6*	*280*	7.2		0.27	U	NA		NA		NA		NA	
Potassium	*7440-09-7*	*--*	*--*	38	U	33	U	NA		NA		NA		NA	
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.81*	U	*0.70*	U	NA		NA		NA		NA	
Silver	*7440-22-4*	*2*	*560*	0.36	U	0.31	U	NA		NA		NA		NA	
Sodium	*7440-23-5*	*--*	*--*	17	U	15	U	NA		NA		NA		NA	
Thallium	*7440-28-0*	*1*	*--*	0.50	U	0.44	U	NA		NA		NA		NA	
Vanadium	*7440-62-2*	*2*	*280*	**22.4**		**11.8**		NA		NA		NA		NA	
Zinc	*7440-66-6*	*6.62*	*160*	**60.7**		**10.1**		NA		NA		NA		NA	

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Table 1-3
Summary of Metals in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P119: 0-1/2'		P119: 1 1/2-2'		P119: 1/2-1'		P120: 0-1/2'		P120: 1 1/2-2'		P120: 1/2-1'	
			Date Sampled:	9/13/2018		9/13/2018		9/13/2018		9/13/2018		9/13/2018		9/13/2018	
			Depth (ft):	0-0.5		1.5-2		0.5-1		0-0.5		1.5-2		0.5-1	
			LAB Sample ID:	JC73820-11		JC73820-13		JC73820-12		JC73820-14		JC73820-16		JC73820-15	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
Aluminum	*7429-90-5*	*50*	*--*	**8900**		**9820**		**10500**		**12500**		**9530**		**10100**	
Antimony	*7440-36-0*	*0.27*	*78*	*0.46*	U	*0.44*	U	*0.44*	U	*0.49*	U	*0.44*	U	*0.46*	U
Arsenic	*7440-38-2*	*9.9*	*46*	2.8		3.8		3.5		4.9		4		3.7	
Barium	*7440-39-3*	*283*	*2000*	30.6		50.6		50		79.1		50.8		54.9	
Beryllium	*7440-41-7*	*10*	*40*	0.43		0.45		0.51		0.75		0.49		0.57	
Cadmium	*7440-43-9*	*0.36*	*140*	0.078	U	0.076	U	0.075	U	**0.67**		0.074	U	0.079	U
Calcium	*7440-70-2*	*--*	*--*	49	U	652		800		1560		1190		1540	
Chromium	*7440-47-3*	*0.4*	*1*	***13.6***		**17.5**		**18**		***20.8***		**14.7**		***15.5***	
Cobalt	*7440-48-4*	*0.14*	*230*	*0.31*	U	*0.30*	U	*0.30*	U	***8.7***		*0.30*	U	*0.31*	U
Copper	*7440-50-8*	*5.4*	*100*	**11.9**		**18.2**		**17.9**		**22.8**		**18.4**		**14.3**	
Iron	*7439-89-6*	*--*	*--*	8970		9990		11200		18300		13100		13500	
Lead	*7439-92-1*	*0.0537*	*1700*	***40***		***64.2***		***88.4***		***63.6***		***86.6***		***51.4***	
Magnesium	*7439-95-4*	*--*	*--*	892		1150		1470		2980		1210		2000	
Manganese	*7439-96-5*	*220*	*4300*	32.8		61.4		55.5		**641**		90.6		**232**	
Mercury	*7439-97-6*	*0.00051*	*0.3*	*0.016*	U	***0.038***		*0.015*	U	***0.09***		***0.036***		*0.016*	U
Nickel	*7440-02-0*	*13.6*	*280*	7.3		9.7		10.8		**21.1**		9.9		12	
Potassium	*7440-09-7*	*--*	*--*	35	U	34	U	34	U	38	U	34	U	36	U
Selenium	*7782-49-2*	*0.0276*	*4.1*	*0.72*	U	*0.70*	U	*0.70*	U	*0.77*	U	*0.69*	U	*0.73*	U
Silver	*7440-22-4*	*2*	*560*	0.19	U	0.18	U	0.18	U	0.20	U	0.18	U	0.19	U
Sodium	*7440-23-5*	*--*	*--*	87	U	84	U	84	U	93	U	83	U	87	U
Thallium	*7440-28-0*	*1*	*--*	0.65	U	0.63	U	0.62	U	0.69	U	0.62	U	0.65	U
Vanadium	*7440-62-2*	*2*	*280*	**19.4**		**23.7**		**25.2**		**25.3**		**22.7**		**24**	
Zinc	*7440-66-6*	*6.62*	*160*	**30.7**		**44.8**		**46.4**		**160**		**85.8**		**93.1**	

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Table 1-4

Summary of Extractable Petroleum Hydrocarbons in Soil

Table 1-4
Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P1:7-7 1/2'		P2:4 1/2-5'		P2:9-10'		P3:4 1/2-5'		P3:15 1/2-16'		P4:8-8 1/2'	
				Date Sampled:		4/27/2017		4/27/2017		4/27/2017		4/27/2017		4/27/2017		4/27/2017	
				Depth (ft):		7-7.5		4.5-5		10-10		4.5-5		15.5-16		8-8.5	
				LAB Sample ID:		JC42109-1		JC42109-2		JC42109-3		JC42109-4		JC42109-5		JC42109-6	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	3.8	U	3.9	U	3.8	U	1670		3.6	U	189	
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	3.8	U	3.9	U	3.8	U	66.2		3.6	U	3.9	U
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	3.8	U	3.9	U	3.8	U	1740		3.6	U	189	

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Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	P4:14-14 1/2'		P5:10'		P6:10'		P7:0-6		P7:9'		P8:6'	
			Date Sampled:	4/27/2017		4/27/2017		4/27/2017		5/8/2017		5/8/2017		5/8/2017	
			Depth (ft):	14-14.5		10-10		10-10		0-0.5		9-9		6-6	
			LAB Sample ID:	JC42109-7		JC42109-8		JC42109-9		JC42929-26		JC42929-27		JC42929-24	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***												
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	3.8	U	4.5	U	3.8	U	36.6		3.8	U	3.8	U
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	3.8	U	4.5	U	3.8	U	90.5		3.8	U	3.8	U
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	3.8	U	4.5	U	3.8	U	127		3.8	U	3.8	U

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Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:	P8:12'		P9:0-1'		P9:6'		P10:0-1'		P10:3'		P11:0-1'	
				Date Sampled:	5/8/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017		5/9/2017	
				Depth (ft):	12-12		0-1		6-6		0-1		3-3		0-1	
				LAB Sample ID:	JC42929-25		JC42929-28		JC42929-29		JC42929-30		JC42929-31		JC42929-32	
				LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***													
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--		62.4		1490		3.6	U	4190		6490		495	
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--		38.9		731		18.9		2610		3710		251	
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--		101		2220		18.9		6790		10200		746	

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Table 1-4
Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P11:8'		P17:4'		P17:9'		P18:4-4 1/2'		P18:6-7'		P19:5'	
				Date Sampled:		5/9/2017		4/28/2017		4/28/2017		5/9/2017		5/9/2017		5/8/2017	
				Depth (ft):		8-8		4-4		9-9		4-4.5		6-7		5-5	
				LAB Sample ID:		JC42929-33		JC42231-19		JC42231-20		JC42929-34		JC42929-35		JC42929-13	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	195		5280		1270		117		3.6	U	4.1	U		
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	3.5	U	1910		1010		83.3		3.6	U	19			
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	195		7190		2280		200		3.6	U	19			

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Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:			P19:16'			P20:5'			P21:5'			P22:0-6			P23:0-6			P24:0-6		
				Date Sampled:			5/8/2017			5/8/2017			5/8/2017			5/8/2017			5/8/2017			5/8/2017		
				Depth (ft):			16-16			5-5			5-5			0-0.5			0-0.5			0-0.5		
				LAB Sample ID:			JC42929-14			JC42929-22			JC42929-21			JC42929-49			JC42929-51			JC42929-50		
				LAB:			Accutest			Accutest			Accutest			Accutest			Accutest			Accutest		
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***																					
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	4.1	U		54.7			3.6	U		925			110			241					
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	4.1	U		160			3.6	U		1800			264			447					
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	4.1	U		215			3.6	U		2730			374			688					

ESC = NJDEP Ecological Screening Criteria, March 2009
LSSL = Lowest Soil Sceening Level (per NJDEP ESC)
USSL = Upper Soil Sceening Level (per NJDEP ESC)
Bold indicates concentrations above the LSSL
Bold and underline indicates concentrations above the USSL
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-4
Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P41:5'		P46:6-6 1/2'		P59:9 1/2-10'		P60:0- 1/2'		P60:1 1/2-2'		P60:7 1/2-8	
				Date Sampled:		5/8/2017		5/9/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017	
				Depth (ft):		5-5		6-6.5		9.5-10		0-0.5		1.5-2		7.5-8	
				LAB Sample ID:		JC42929-17		JC42929-40		JC52433-17		JC52433-18		JC52433-19		JC52433-20	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	4.0	U	3.6	U	106		290		4.0	U	548	
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	35.9		20		28.8		427		4.0	U	126	
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	35.9		20		135		717		4.0	U	673	

ESC = NJDEP Ecological Screening Criteria, March 2009
LSSL = Lowest Soil Sceening Level (per NJDEP ESC)
USSL = Upper Soil Sceening Level (per NJDEP ESC)
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Bold and underline indicates concentrations above the USSL
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-4
Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P62:8-8 1/2'		P63:3-3 1/2'		P63:7-7 1/2'		P66:0-1/2'		P66:1 1/2-2'		P69: 1-1 1/2'	
				Date Sampled:		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/4/2017		10/3/2017	
				Depth (ft):		8-8.5		3-3.5		7-7.5		0-0.5		1.5-2		1-1.5	
				LAB Sample ID:		JC52433-30		JC52433-3		JC52433-4		JC52433-31		JC52433-32		JC52345-32	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	3.6	U	12.1		20.9		62.6		90.6		262			
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	3.6	U	3.6	U	3.7	U	131		81.9		454			
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	3.6	U	12.1		20.9		194		172		716			

ESC = NJDEP Ecological Screening Criteria, March 2009
LSSL = Lowest Soil Sceening Level (per NJDEP ESC)
USSL = Upper Soil Sceening Level (per NJDEP ESC)
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Bold and underline indicates concentrations above the USSL
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-4
Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P69: 1/2-1'		P70: 0-1/2'		P70: 1 1/2-2'		P71: 0-1/2'		P71: 1 1/2-2'		P72:6 1/2-7'	
				Date Sampled:		10/3/2017		10/3/2017		10/3/2017		10/3/2017		10/3/2017		10/4/2017	
				Depth (ft):		0.5-1		0-0.5		1.5-2		0-0.5		1.5-2		6.5-7	
				LAB Sample ID:		JC52345-31		JC52345-19		JC52345-20		JC52345-13		JC52345-14		JC52433-41	
				LAB:		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***														
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	219		32.9		21.3		218		13.3		184			
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	349		32.9		32.1		185		22.4		58.5			
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	568		65.8		53.4		402		35.7		243			

ESC = NJDEP Ecological Screening Criteria, March 2009
LSSL = Lowest Soil Sceening Level (per NJDEP ESC)
USSL = Upper Soil Sceening Level (per NJDEP ESC)
Bold indicates concentrations above the LSSL
Bold and underline indicates concentrations above the USSL
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 1-4
Summary of Extractable Petroleum Hydrocarbons (EPH) in Soil ESC
North Brunswick Gulf Station - North Brunswick, NJ

				Sample No.:		P85:0-1/2'		P85:1 1/2-2'		P99		P100	
				Date Sampled:		2/20/2018		2/20/2018		2/21/2018		2/21/2018	
				Depth (ft):		0-0.5		1.5-2		0-0.25		0-0.25	
				LAB Sample ID:		JC61097-11		JC61097-12		JC61183-17		JC61183-18	
				LAB:		Accutest		Accutest		Accutest		Accutest	
Parameter (mg/kg)	***CAS No.***	***LSSL***	***USSL***										
EPH, NON-FRACTIONATED (C09-C28)	*SRP362*	--	--	65.4		44.6		31.8		228			
EPH, NON-FRACTIONATED (C28-C40)	*SRP373*	--	--	209		34.6		48.4		211			
EPH, TOTAL NON-FRACTIONATED (C09-C40)	*SRP237*	--	--	274		79.2		80.2		438			

ESC = NJDEP Ecological Screening Criteria, March 2009
LSSL = Lowest Soil Sceening Level (per NJDEP ESC)
USSL = Upper Soil Sceening Level (per NJDEP ESC)
Bold indicates concentrations above the LSSL
Bold and underline indicates concentrations above the USSL
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

TABLE 2

Summary of Groundwater Analytical Results

TABLE 2-1

Summary of Volatile Organic Compounds (VOCs) in Groundwater

Table 2-1
Summary of Volatile Organic Compounds (VOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW17		MW18		MW19		MW20		MW20		MW21	
			Date Sampled:	10/3/2018		10/3/2018		10/4/2018		10/3/2018		1/18/2019		1/18/2019	
			LAB Sample ID:	JC75394-2		JC75394-4		JC75394-5		JC75394-3		JC81574-2		JC81574-3	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***												
Acetone	*67-64-1*	--	--	6	U	6	U	144	J	6	U	6	U	6	U
Benzene	*71-43-2*	--	*114*	0.43	U	0.43	U	**868**		0.43	U	0.43	U	0.43	U
Bromochloromethane	*74-97-5*	--	--	0.48	U	0.48	U	9.6	U	0.48	U	0.48	U	0.48	U
Bromodichloromethane	*75-27-4*	--	--	0.58	U	0.58	U	12	U	0.58	U	0.58	U	0.58	U
Bromoform	*75-25-2*	--	*230*	0.63	U	0.63	U	13	U	0.63	U	0.63	U	0.63	U
Bromomethane	*74-83-9*	--	*16*	1.6	U	1.6	U	33	U	1.6	U	1.6	U	1.6	U
2-Butanone (MEK)	*78-93-3*	--	--	6.9	U	6.9	U	140	U	6.9	U	6.9	U	6.9	U
Carbon Disulfide	*75-15-0*	--	--	0.95	U	0.95	U	19	U	0.95	U	0.95	U	0.95	U
Carbon tetrachloride	*56-23-5*	--	*240*	0.55	U	0.55	U	11	U	0.55	U	0.55	U	0.55	U
Chlorobenzene	*108-90-7*	--	*47*	0.56	U	0.56	U	11	U	0.56	U	0.56	U	0.56	U
Chloroethane	*75-00-3*	--	--	0.73	U	0.73	U	15	U	0.73	U	0.73	U	0.73	U
Chloroform	*67-66-3*	--	*140*	0.5	U	0.5	U	10	U	0.5	U	0.5	U	0.5	U
Chloromethane	*74-87-3*	--	--	0.76	U	0.76	U	15	U	0.76	U	0.76	U	0.76	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.51	U	0.51	U	65.9		0.51	U	0.51	U	0.51	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.47	U	0.47	U	9.4	U	0.47	U	0.47	U	0.47	U
Cyclohexane	*110-82-7*	--	--	0.78	U	0.78	U	103		0.78	U	0.78	U	0.78	U
Dibromochloromethane	*124-48-1*	--	--	0.56	U	0.56	U	11	U	0.56	U	0.56	U	0.56	U
1,2-Dibromoethane	*106-93-4*	--	--	0.0053	U	0.0053	U	0.0053	U	0.0053	U	0.0052	U	0.0052	U
1,2-Dichlorobenzene	*95-50-1*	--	*14*	0.53	U	0.53	U	11	U	0.53	U	0.53	U	0.53	U
1,3-Dichlorobenzene	*541-73-1*	--	*38*	0.54	U	0.54	U	11	U	0.54	U	0.54	U	0.54	U
1,4-Dichlorobenzene	*106-46-7*	--	*9.4*	0.51	U	0.51	U	10	U	0.51	U	0.51	U	0.51	U
Dichlorodifluoromethane	*75-71-8*	--	--	1.4	U	1.4	U	27	U	1.4	U	1.4	U	1.4	U
1,1-Dichloroethane	*75-34-3*	--	--	0.57	U	0.57	U	11	U	0.57	U	0.57	U	0.57	U
1,2-Dichloroethane	*107-06-2*	--	*910*	0.6	U	0.6	U	12	U	0.6	U	0.6	U	0.6	U
1,1-Dichloroethene	*75-35-4*	--	*65*	0.59	U	0.59	U	12	U	0.59	U	0.59	U	0.59	U
1,2-Dichloropropane	*78-87-5*	--	*360*	0.51	U	0.51	U	10	U	0.51	U	0.51	U	0.51	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND		ND		ND		ND		ND	
Ethylbenzene	*100-41-4*	--	*14*	0.6	U	0.6	U	**1790**		0.6	U	0.6	U	0.6	U
2-Hexanone	*591-78-6*	--	--	2	U	2	U	41	U	2	U	2	U	2	U
Isopropylbenzene	*98-82-8*	--	--	0.65	U	0.65	U	156		0.65	U	0.65	U	0.65	U
Methyl Acetate	*79-20-9*	--	--	0.8	U	0.8	U	16	U	0.8	U	0.8	U	0.8	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*151000*	*51000*	0.51	U	0.51	U	10	U	0.51	U	0.51	U	0.51	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	1.9	U	1.9	U	37	U	1.9	U	1.9	U	1.9	U
Methylcyclohexane	*108-87-2*	--	--	0.6	U	0.6	U	129		0.6	U	0.6	U	0.6	U

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 2-1
Summary of Volatile Organic Compounds (VOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW17		MW18		MW19		MW20		MW20		MW21	
			Date Sampled:	10/3/2018		10/3/2018		10/4/2018		10/3/2018		1/18/2019		1/18/2019	
			LAB Sample ID:	JC75394-2		JC75394-4		JC75394-5		JC75394-3		JC81574-2		JC81574-3	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***												
Methylene chloride	*75-09-2*	--	*940*	1	U	1	U	20	U	1	U	1	U	1	U
Styrene	*100-42-5*	--	*32*	0.7	U	0.7	U	14	U	0.7	U	0.7	U	0.7	U
1,1,2,2-Tetrachloroethane	*79-34-5*	--	*380*	0.65	U	0.65	U	13	U	0.65	U	0.65	U	0.65	U
Tetrachloroethene	*127-18-4*	--	*45*	0.9	U	0.9	U	18	U	0.9	U	0.9	U	0.9	U
Toluene	*108-88-3*	--	*253*	0.53	U	0.53	U	1960		0.53	U	0.53	U	0.53	U
trans-1,2-Dichloroethene	*156-60-5*	--	*970*	0.54	U	0.54	U	11	U	0.54	U	0.54	U	0.54	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.43	U	0.43	U	8.6	U	0.43	U	0.43	U	0.43	U
Freon 113	*76-13-1*	--	--	1.9	U	1.9	U	39	U	1.9	U	1.9	U	1.9	U
1,2,3-Trichlorobenzene	*87-61-6*	--	--	0.5	U	0.5	U	10	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	*71-55-6*	--	*76*	0.54	U	0.54	U	11	U	0.54	U	0.54	U	0.54	U
1,1,2-Trichloroethane	*79-00-5*	--	*500*	0.53	U	0.53	U	11	U	0.53	U	0.53	U	0.53	U
Trichloroethene	*79-01-6*	--	*47*	0.53	U	0.53	U	11	U	0.53	U	0.53	U	0.53	U
Trichlorofluoromethane	*75-69-4*	--	--	0.84	U	0.84	U	17	U	0.84	U	0.84	U	0.84	U
1,2,4-Trichlorobenzene	*120-82-1*	--	*30*	0.5	U	0.5	U	10	U	0.5	U	0.5	U	0.5	U
1,2,4-Trimethylbenzene	*95-63-6*	--	--	1	U	1.1	J	2060		1	U	1	U	1	U
Vinyl Chloride	*75-01-4*	--	*930*	0.79	U	0.79	U	16	U	0.79	U	0.79	U	0.79	U
m,p-Xylene	*179601-23-1*	--	--	0.78	U	0.78	U	6800		0.78	U	0.78	U	0.78	U
o-Xylene	*95-47-6*	--	--	0.59	U	0.59	U	1990		0.59	U	0.59	U	0.59	U
Xylenes (total)	*1330-20-7*	--	*27*	0.59	U	0.59	U	8790		0.59	U	0.59	U	0.59	U
Total VOC TIC	*SRP170*	--	--	ND		6.1	J	5840	J	ND		ND		ND	

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

TABLE 2-2

Summary of Semi-Volatile Organic Compounds (SVOCs) in Groundwater

Table 2-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW17		MW18		MW18	MW18 FILTERED		MW19		MW20	
			Date Sampled:	10/3/2018		10/3/2018		11/15/2018	11/15/2018		10/4/2018		10/3/2018	
			LAB Sample ID:	JC75394-2		JC75394-4		JC78017-2	JC78017-3		JC75394-5		JC75394-3	
			LAB:	Accutest		Accutest		Accutest	Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***											
Acenaphthene	*83-32-9*	--	*38*	0.18	U	4.1		3.4	3.2		0.36	J	0.18	U
Acenaphthylene	*208-96-8*	--	*4840*	0.13	U	0.73	J	0.64	J	0.55	J	0.13	U	0.13	U
Acetophenone	*98-86-2*	--	--	0.2	U	0.43	J	0.20	U	0.20	U	0.2	U	0.2	U
Anthracene	*120-12-7*	--	*0.035*	0.2	U	1.4		1.3		0.20	U	0.2	U	0.2	U
Atrazine	*1912-24-9*	--	--	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
Benzaldehyde	*100-52-7*	--	--	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U
Benzo(a)pyrene	*50-32-8*	--	*0.014*	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
Benzo(a)anthracene	*56-55-3*	--	*0.025*	0.022	U	0.208		0.135		0.022	U	0.022	U	0.022	U
Benzo(b)fluoranthene	*205-99-2*	--	*9.07*	0.0419	J	0.041	U	0.041	U	0.042	U	0.041	U	0.0437	J
Benzo(ghi)perylene	*191-24-2*	--	*7.64*	0.32	U	0.32	U	0.32	U	0.33	U	0.32	U	0.32	U
Benzo(k)fluoranthene	*207-08-9*	--	--	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
1,1-Biphenyl	*92-52-4*	--	--	0.2	U	1.4		1.2		0.48	J	1.7		0.2	U
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	0.26	U	0.26	U	0.26	U	0.27	U	0.26	U	0.26	U
bis(2-Chloroethyl)ether	*111-44-4*	--	*1900*	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
bis(2-Chloroisopropyl)ether	*108-60-1*	--	--	0.38	U	0.38	U	0.38	U	0.39	U	0.38	U	0.38	U
bis(2-Ethylhexyl)phthalate	*117-81-7*	--	*0.3*	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
4-Bromophenyl-phenylether	*101-55-3*	--	--	0.38	U	0.38	U	0.38	U	0.39	U	0.38	U	0.38	U
Butyl benzyl phthalate	*85-68-7*	--	*23*	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U
Caprolactam	*105-60-2*	--	--	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U	0.62	U
Carbazole	*86-74-8*	--	--	0.22	U	5.7		4.8	3.3		0.47	J	0.22	U
2-Chloronaphthalene	*91-58-7*	--	*0.396*	0.22	U	0.22	U	0.22	U	0.23	U	0.22	U	0.22	U
2-Chlorophenol	*95-57-8*	--	*24*	0.78	U	0.78	U	0.78	U	0.79	U	0.78	U	0.78	U
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
Chrysene	*218-01-9*	--	--	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Dibenz(a,h)anthracene	*53-70-3*	--	--	0.034	U	0.034	U	0.034	U	0.035	U	0.034	U	0.034	U
Dibenzofuran	*132-64-9*	--	--	0.21	U	2.6	J	2.6	J	0.95	J	0.21	U	0.21	U
3,3'-Dichlorobenzidine	*91-94-1*	--	*4.5*	0.48	U	0.48	U	0.48	U	0.49	U	0.48	U	0.48	U
2,4-Dichlorophenol	*120-83-2*	--	*11*	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
Diethyl phthalate	*84-66-2*	--	*110*	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
2,4-Dimethyl phenol	*105-67-9*	--	*100*	2.3	U	2.3	U	2.3	U	2.3	U	83.4		2.3	U
Dimethyl phthalate	*131-11-3*	--	--	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
Di-n-butyl phthalate	*84-74-2*	--	*9.7*	0.47	U	0.47	U	0.47	U	0.48	U	0.47	U	0.47	U
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
2,4-Dinitrophenol	*51-28-5*	--	*19*	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 2-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW17		MW18		MW18	MW18 FILTERED		MW19		MW20	
			Date Sampled:	10/3/2018		10/3/2018		11/15/2018	11/15/2018		10/4/2018		10/3/2018	
			LAB Sample ID:	JC75394-2		JC75394-4		JC78017-2	JC78017-3		JC75394-5		JC75394-3	
			LAB:	Accutest		Accutest		Accutest	Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***											
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	ND		ND		ND	ND		ND		ND	
2,4-Dinitrotoluene	*121-14-2*	--	*44*	0.53	U	0.53	U	0.53	U	0.53	U	0.53	U	0.53	U
2,6-Dinitrotoluene	*606-20-2*	--	--	0.45	U	0.45	U	0.45	U	0.46	U	0.45	U	0.45	U
Di-n-octyl phthalate	*117-84-0*	--	--	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
1,4-Dioxane	*123-91-1*	--	--	0.046	U	0.046	U	0.046	U	0.047	U	0.046	U	0.046	U
Fluoranthene	*206-44-0*	--	*1.9*	0.16	U	1.6		1.4		0.16	U	0.16	U	0.16	U
Fluorene	*86-73-7*	--	*19*	0.16	U	4.4		4		2.6		0.25	J	0.16	U
Hexachlorobenzene	*118-74-1*	--	*0.0003*	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
Hexachlorobutadiene	*87-68-3*	--	*0.053*	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U	0.017	U
Hexachlorocyclopentadiene	*77-47-4*	--	*77*	2.6	U	2.6	U	2.6	U	2.7	U	2.6	U	2.6	U
Hexachloroethane	*67-72-1*	--	*8*	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
High Molecular Weight PAHs	*SRP420*	--	--	0.0419		1.408		1.045	ND		ND		0.0824	
Indeno(1,2,3-cd)pyrene	*193-39-5*	--	*4.31*	0.036	U	0.036	U	0.036	U	0.037	U	0.036	U	0.0387	J
Isophorone	*78-59-1*	--	*920*	0.26	U	0.26	U	0.26	U	0.27	U	0.26	U	0.26	U
Low Molecular Weight PAHs	*SRP419*	--	--	ND		71.33		49.84	32.45		581.86		ND	
1-Methylnaphthalene	*90-12-0*	--	--	NA		NA		4	3.8		NA		NA	
2-Methylnaphthalene	*91-57-6*	--	*330*	0.2	U	7.1		6.5	4.2		133		0.2	U
2-Methylphenol	*95-48-7*	--	--	0.85	U	0.85	U	0.85	U	0.85	U	11		0.85	U
3&4-Methylphenol	*65794-96-9*	--	--	0.84	U	27.3		54.1		60.9		11.8		0.84	U
Naphthalene	*91-20-3*	--	*13*	0.22	U	45.1		25.6		20.8		448		0.22	U
2-Nitroaniline	*88-74-4*	--	--	0.26	U	0.26	U	0.26	U	0.27	U	0.26	U	0.26	U
3-Nitroaniline	*99-09-2*	--	--	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
4-Nitroaniline	*100-01-6*	--	--	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
Nitrobenzene	*98-95-3*	--	*220*	0.61	U	0.61	U	0.61	U	0.62	U	0.61	U	0.61	U
2-Nitrophenol	*88-75-5*	--	--	0.91	U	0.91	U	0.91	U	0.92	U	0.91	U	0.91	U
4-Nitrophenol	*100-02-7*	--	*60*	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	0.46	U	0.46	U	0.46	U	0.46	U	0.46	U	0.46	U
n-Nitrosodiphenylamine	*86-30-6*	--	--	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U
p-Chloroaniline	*106-47-8*	--	--	0.32	U	0.32	U	0.32	U	0.33	U	0.32	U	0.32	U
p-Chloro-m-cresol	*59-50-7*	--	--	0.85	U	0.85	U	0.85	U	0.86	U	0.85	U	0.85	U
Pentachlorophenol	*87-86-5*	*5.23*	*4.1*	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
Phenanthrene	*85-01-8*	--	*3.6*	0.17	U	6.9		7	1.1		0.25	J	0.17	U
Phenol	*108-95-2*	--	*180*	0.37	U	0.41	J	0.6	J	0.82	J	4.4		0.37	U
Pyrene	*129-00-0*	--	*0.3*	0.21	U	1.2		0.91	J	0.21	U	0.21	U	0.21	U

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ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 2-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW17		MW18		MW18	MW18 FILTERED		MW19		MW20	
			Date Sampled:	10/3/2018		10/3/2018		11/15/2018	11/15/2018		10/4/2018		10/3/2018	
			LAB Sample ID:	JC75394-2		JC75394-4		JC78017-2	JC78017-3		JC75394-5		JC75394-3	
			LAB:	Accutest		Accutest		Accutest	Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***											
1,2,4,5-Tetrachlorobenzene	*95-94-3*	--	*3*	0.35	U	0.35	U	0.35	U	0.36	U	0.35	U	0.35	U
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Total PAHs	*130498-29-2*	--	--	0.0419		72.738		50.885		32.45		581.86		0.0824	
2,4,5-Trichlorophenol	*95-95-4*	--	--	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
2,4,6-Trichlorophenol	*88-06-2*	--	*4.9*	0.88	U	0.88	U	0.88	U	0.89	U	0.88	U	0.88	U
Total SVOC TIC	*SRP171*	--	--	12.4	J	51.2	J	174.1	J	58	J	3717.7	J	7	J
Total VOC and SVOC TICs	*SRP351*	--	--	12.4		57.3		NA		NA		9557.7		7	

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Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
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Table 2-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW20		MW20		MW21	
			Date Sampled:	11/15/2018		1/18/2019		1/18/2019	
			LAB Sample ID:	JC78017-4		JC81574-2		JC81574-3	
			LAB:	Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***						
Acenaphthene	*83-32-9*	--	*38*	5		0.18	U	0.18	U
Acenaphthylene	*208-96-8*	--	*4840*	0.75	J	0.13	U	0.13	U
Acetophenone	*98-86-2*	--	--	0.20	U	0.2	U	0.2	U
Anthracene	*120-12-7*	--	*0.035*	1.7		0.2	U	0.2	U
Atrazine	*1912-24-9*	--	--	0.43	U	0.43	U	0.43	U
Benzaldehyde	*100-52-7*	--	--	0.28	U	0.28	U	0.28	U
Benzo(a)pyrene	*50-32-8*	--	*0.014*	0.032	U	0.032	U	0.032	U
Benzo(a)anthracene	*56-55-3*	--	*0.025*	0.121		0.022	U	0.022	U
Benzo(b)fluoranthene	*205-99-2*	--	*9.07*	0.041	U	0.042	U	0.041	U
Benzo(ghi)perylene	*191-24-2*	--	*7.64*	0.32	U	0.33	U	0.32	U
Benzo(k)fluoranthene	*207-08-9*	--	--	0.032	U	0.032	U	0.032	U
1,1-Biphenyl	*92-52-4*	--	--	1.8		0.2	U	0.2	U
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	0.26	U	0.27	U	0.26	U
bis(2-Chloroethyl)ether	*111-44-4*	--	*1900*	0.24	U	0.24	U	0.24	U
bis(2-Chloroisopropyl)ether	*108-60-1*	--	--	0.38	U	0.39	U	0.38	U
bis(2-Ethylhexyl)phthalate	*117-81-7*	--	*0.3*	1.6	U	1.6	U	1.6	U
4-Bromophenyl-phenylether	*101-55-3*	--	--	0.38	U	0.39	U	0.38	U
Butyl benzyl phthalate	*85-68-7*	--	*23*	0.44	U	0.44	U	0.44	U
Caprolactam	*105-60-2*	--	--	0.62	U	0.62	U	0.62	U
Carbazole	*86-74-8*	--	--	6.5		0.22	U	0.22	U
2-Chloronaphthalene	*91-58-7*	--	*0.396*	0.22	U	0.23	U	0.22	U
2-Chlorophenol	*95-57-8*	--	*24*	0.78	U	0.79	U	0.78	U
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	0.35	U	0.35	U	0.35	U
Chrysene	*218-01-9*	--	--	0.17	U	0.17	U	0.17	U
Dibenz(a,h)anthracene	*53-70-3*	--	--	0.034	U	0.035	U	0.034	U
Dibenzofuran	*132-64-9*	--	--	3.6	J	0.21	U	0.21	U
3,3'-Dichlorobenzidine	*91-94-1*	--	*4.5*	0.48	U	0.49	U	0.48	U
2,4-Dichlorophenol	*120-83-2*	--	*11*	1.2	U	1.2	U	1.2	U
Diethyl phthalate	*84-66-2*	--	*110*	0.25	U	0.25	U	0.25	U
2,4-Dimethyl phenol	*105-67-9*	--	*100*	2.3	U	2.3	U	2.3	U
Dimethyl phthalate	*131-11-3*	--	--	0.21	U	0.21	U	0.21	U
Di-n-butyl phthalate	*84-74-2*	--	*9.7*	0.47	U	0.48	U	0.47	U
4,6-Dinitro-2-methylphenol	*534-52-1*	--	--	0.15	U	0.15	U	0.15	U
2,4-Dinitrophenol	*51-28-5*	--	*19*	1.5	U	1.5	U	1.5	U

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J = Estimated value below sample reporting limit
U = Compound not detected above MDL
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Table 2-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW20		MW20		MW21	
			Date Sampled:	11/15/2018		1/18/2019		1/18/2019	
			LAB Sample ID:	JC78017-4		JC81574-2		JC81574-3	
			LAB:	Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***						
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	ND		ND		ND	
2,4-Dinitrotoluene	*121-14-2*	--	*44*	0.53	U	0.53	U	0.53	U
2,6-Dinitrotoluene	*606-20-2*	--	--	0.45	U	0.46	U	0.45	U
Di-n-octyl phthalate	*117-84-0*	--	--	0.22	U	0.22	U	0.22	U
1,4-Dioxane	*123-91-1*	--	--	0.046	U	0.0571	JB	0.046	U
Fluoranthene	*206-44-0*	--	*1.9*	1.2		0.16	U	0.16	U
Fluorene	*86-73-7*	--	*19*	5.7		0.2	J	0.16	U
Hexachlorobenzene	*118-74-1*	--	*0.0003*	0.011	U	0.011	U	0.011	U
Hexachlorobutadiene	*87-68-3*	--	*0.053*	0.017	U	0.017	U	0.017	U
Hexachlorocyclopentadiene	*77-47-4*	--	*77*	2.6	U	2.7	U	2.6	U
Hexachloroethane	*67-72-1*	--	*8*	0.37	U	0.37	U	0.37	U
High Molecular Weight PAHs	*SRP420*	--	--	0.911		ND		ND	
Indeno(1,2,3-cd)pyrene	*193-39-5*	--	*4.31*	0.036	U	0.037	U	0.036	U
Isophorone	*78-59-1*	--	*920*	0.26	U	0.27	U	0.26	U
Low Molecular Weight PAHs	*SRP419*	--	--	59.45		0.45		ND	
1-Methylnaphthalene	*90-12-0*	--	--	5.3		NA		NA	
2-Methylnaphthalene	*91-57-6*	--	*330*	8.4		0.2	U	0.2	U
2-Methylphenol	*95-48-7*	--	--	0.85	U	0.85	U	0.85	U
3&4-Methylphenol	*65794-96-9*	--	--	55.8		0.85	U	0.84	U
Naphthalene	*91-20-3*	--	*13*	27.8		0.25	J	0.22	U
2-Nitroaniline	*88-74-4*	--	--	0.26	U	0.27	U	0.26	U
3-Nitroaniline	*99-09-2*	--	--	0.37	U	0.37	U	0.37	U
4-Nitroaniline	*100-01-6*	--	--	0.42	U	0.42	U	0.42	U
Nitrobenzene	*98-95-3*	--	*220*	0.61	U	0.62	U	0.61	U
2-Nitrophenol	*88-75-5*	--	--	0.91	U	0.92	U	0.91	U
4-Nitrophenol	*100-02-7*	--	*60*	1.1	U	1.1	U	1.1	U
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	0.46	U	0.46	U	0.46	U
n-Nitrosodiphenylamine	*86-30-6*	--	--	0.21	U	0.21	U	0.21	U
p-Chloroaniline	*106-47-8*	--	--	0.32	U	0.33	U	0.32	U
p-Chloro-m-cresol	*59-50-7*	--	--	0.85	U	0.86	U	0.85	U
Pentachlorophenol	*87-86-5*	*5.23*	*4.1*	0.12	U	0.12	U	0.12	U
Phenanthrene	*85-01-8*	--	*3.6*	8.9		0.17	U	0.17	U
Phenol	*108-95-2*	--	*180*	0.59	J	0.38	U	0.37	U
Pyrene	*129-00-0*	--	*0.3*	0.79	J	0.21	U	0.21	U

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 2-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW20		MW20		MW21	
			Date Sampled:	11/15/2018		1/18/2019		1/18/2019	
			LAB Sample ID:	JC78017-4		JC81574-2		JC81574-3	
			LAB:	Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***						
1,2,4,5-Tetrachlorobenzene	*95-94-3*	--	*3*	0.35	U	0.36	U	0.35	U
2,3,4,6-Tetrachlorophenol	*58-90-2*	--	--	1.4	U	1.4	U	1.4	U
Total PAHs	*130498-29-2*	--	--	60.361		0.45		ND	
2,4,5-Trichlorophenol	*95-95-4*	--	--	1.3	U	1.3	U	1.3	U
2,4,6-Trichlorophenol	*88-06-2*	--	*4.9*	0.88	U	0.89	U	0.88	U
Total SVOC TIC	*SRP171*	--	--	169.5	J	4.4	J	5.1	J
Total VOC and SVOC TICs	*SRP351*	--	--	NA		4.4		5.1	

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Bold indicates concentrations above the ESCSWFA
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Bold and underline indicates concentrations above the ESCSWFC
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Values in italics indicate MDL above applicable criterion.

TABLE 2-3

Summary of Metals in Groundwater

Table 2-3
Summary of Metals in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	MW17		MW18		MW19		MW20		MW20		MW20	
			Date Sampled:	10/3/2018		10/3/2018		10/4/2018		10/3/2018		1/18/2019		1/18/2019	
			LAB Sample ID:	JC75394-2		JC75394-4		JC75394-5		JC75394-3		JC81574-2		JC81574-2F	
			LAB:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***												
Aluminum	*7429-90-5*	--	--	2130		46	U	60700		1870		6130		2480	
Antimony	*7440-36-0*	--	*80*	4.7	U	4.7	U	47	U	4.7	U	4.7	U	4.7	U
Arsenic	*7440-38-2*	*340*	*150*	1.6		2.5		38.4		1.5		2.5		0.94	U
Barium	*7440-39-3*	--	*220*	210		13	U	130	U	223		13	U	13	U
Beryllium	*7440-41-7*	--	*3.6*	0.5	U	0.5	U	5	U	0.5	U	3.1		3.1	
Cadmium	*7440-43-9*	*0.339*	*0.1*	*1*	U	*1*	U	*10*	U	*1*	U	*1*	U	*1*	U
Calcium	*7440-70-2*	--	--	31500		22500		990	U	33100		28200		28000	
Chromium	*7440-47-3*	--	*42*	2	U	2	U	171		2	U	2	U	2	U
Cobalt	*7440-48-4*	--	*24*	2.6	U	2.6	U	26	U	2.6	U	83.3		78.9	
Copper	*7440-50-8*	*3.44*	*2.6*	***13.7***		*5.9*	U	***245***		***13.8***		***62.1***		***57.5***	
Iron	*7439-89-6*	--	--	3130		11900		83900		2710		19300		11800	
Lead	*7439-92-1*	*38*	*5.4*	1.8	U	*9*	U	***67***		1.8	U	10.2		4.7	
Magnesium	*7439-95-4*	--	--	15300		7770		1400	U	16200		9470		9070	
Manganese	*7439-96-5*	--	--	297		340		222		316		531		489	
Mercury	*7439-97-6*	*1.4*	*0.77*	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U	0.095	U
Nickel	*7440-02-0*	*122*	*13.7*	13.5		14.8		*17*	U	14.2		**132**		**125**	
Potassium	*7440-09-7*	--	--	200	U	200	U	2000	U	200	U	11600		11000	
Selenium	*7782-49-2*	*20*	*5*	4.9	U	4.9	U	*49*	U	4.9	U	4.9	U	4.9	U
Silver	*7440-22-4*	*0.29*	*0.12*	*1.9*	U	*1.9*	U	*19*	U	*1.9*	U	*1.9*	U	*1.9*	U
Sodium	*7440-23-5*	--	--	287000		12700		5700	U	295000		64300		62600	
Thallium	*7440-28-0*	--	*10*	0.17	U	0.17	U	1.7	U	0.17	U	0.17	U	0.17	U
Vanadium	*7440-62-2*	--	*12*	1.8	U	1.8	U	589		1.8	U	1.8	U	1.8	U
Zinc	*7440-66-6*	*35*	*35.2*	**55.6**		6.9	U	***701***		**57.8**		**226**		**212**	

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 2-3
Summary of Metals in Ground Water
North Brunswick Gulf Station - North Brunswick, NJ

Sample No.:	MW21
Date Sampled:	1/18/2019
LAB Sample ID:	JC81574-3
LAB:	Accutest

Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***		
Aluminum	*7429-90-5*	--	--	4450	
Antimony	*7440-36-0*	--	*80*	4.7	U
Arsenic	*7440-38-2*	*340*	*150*	1.7	
Barium	*7440-39-3*	--	*220*	13	U
Beryllium	*7440-41-7*	--	*3.6*	3	
Cadmium	*7440-43-9*	*0.339*	*0.1*	*1*	U
Calcium	*7440-70-2*	--	--	26200	
Chromium	*7440-47-3*	--	*42*	2	U
Cobalt	*7440-48-4*	--	*24*	73.8	
Copper	*7440-50-8*	*3.44*	*2.6*	***63.3***	
Iron	*7439-89-6*	--	--	9660	
Lead	*7439-92-1*	*38*	*5.4*	6.6	
Magnesium	*7439-95-4*	--	--	8490	
Manganese	*7439-96-5*	--	--	405	
Mercury	*7439-97-6*	*1.4*	*0.77*	0.095	U
Nickel	*7440-02-0*	*122*	*13.7*	115	
Potassium	*7440-09-7*	--	--	200	U
Selenium	*7782-49-2*	*20*	*5*	4.9	U
Silver	*7440-22-4*	*0.29*	*0.12*	*1.9*	U
Sodium	*7440-23-5*	--	--	59900	
Thallium	*7440-28-0*	--	*10*	0.17	U
Vanadium	*7440-62-2*	--	*12*	1.8	U
Zinc	*7440-66-6*	*35*	*35.2*	**201**	

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

TABLE 3

Summary of Surface Water Analytical Results

TABLE 3-1

Summary of Volatile Organic Compounds (VOCs) in Surface Water

Table 3-1
Summary of Volatile Organic Compounds (VOCs) in Surface Water (ECO Fresh)
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	SWAIL		SWALE	
			Date Sampled:	1/15/2014		2/21/2014	
			LAB Sample ID:	JB57955-1		JB60243-1	
			LAB:	Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***				
Acetone	*67-64-1*	--	--	3.3	U	3.3	U
Benzene	*71-43-2*	--	*114*	0.28	U	0.28	U
Bromochloromethane	*74-97-5*	--	--	0.42	U	0.42	U
Bromodichloromethane	*75-27-4*	--	--	0.21	U	0.21	U
Bromoform	*75-25-2*	--	*230*	0.30	U	0.30	U
Bromomethane	*74-83-9*	--	*16*	0.56	U	0.56	U
2-Butanone (MEK)	*78-93-3*	--	--	3.2	U	3.2	U
Carbon Disulfide	*75-15-0*	--	--	0.18	U	0.18	U
Carbon tetrachloride	*56-23-5*	--	*240*	0.23	U	0.23	U
Chlorobenzene	*108-90-7*	--	*47*	0.35	U	0.35	U
Chloroethane	*75-00-3*	--	--	0.39	U	0.39	U
Chloroform	*67-66-3*	--	*140*	1.1		0.25	U
Chloromethane	*74-87-3*	--	--	0.36	U	0.36	U
cis-1,2-Dichloroethene	*156-59-2*	--	--	0.24	U	0.24	U
cis-1,3-Dichloropropene	*10061-01-5*	--	--	0.15	U	0.15	U
Cyclohexane	*110-82-7*	--	--	0.18	U	0.18	U
Dibromochloromethane	*124-48-1*	--	--	0.19	U	0.19	U
1,2-Dichlorobenzene	*95-50-1*	--	*14*	0.20	U	0.20	U
1,3-Dichlorobenzene	*541-73-1*	--	*38*	0.31	U	0.31	U
1,4-Dichlorobenzene	*106-46-7*	--	*9.4*	0.30	U	0.30	U
Dichlorodifluoromethane	*75-71-8*	--	--	0.63	U	0.63	U
1,1-Dichloroethane	*75-34-3*	--	--	0.26	U	0.26	U
1,2-Dichloroethane	*107-06-2*	--	*910*	0.22	U	0.22	U
1,1-Dichloroethene	*75-35-4*	--	*65*	0.34	U	0.34	U
1,2-Dichloropropane	*78-87-5*	--	*360*	0.28	U	0.28	U
1,3-Dichloropropene (total)	*542-75-6*	--	--	ND		ND	
Ethylbenzene	*100-41-4*	--	*14*	0.21	U	0.21	U
2-Hexanone	*591-78-6*	--	--	1.7	U	1.7	U
Isopropylbenzene	*98-82-8*	--	--	0.22	U	0.22	U
Methyl Acetate	*79-20-9*	--	--	1.5	U	1.5	U
Methyl Tert Butyl Ether (MTBE)	*1634-04-4*	*151000*	*51000*	0.29	U	0.29	U
4-methyl-2-pentanone (MIBK)	*108-10-1*	--	--	1.5	U	1.5	U
Methylcyclohexane	*108-87-2*	--	--	0.15	U	0.15	U
Methylene chloride	*75-09-2*	--	*940*	0.86	U	0.86	U
Styrene	*100-42-5*	--	*32*	0.30	U	0.30	U

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 3-1
Summary of Volatile Organic Compounds (VOCs) in Surface Water (ECO Fresh)
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	SWAIL		SWALE	
			Date Sampled:	1/15/2014		2/21/2014	
			LAB Sample ID:	JB57955-1		JB60243-1	
			LAB:	Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***				
tert-Butyl Alcohol	*75-65-0*	--	*355000*	NA		1.9	U
1,1,2,2-Tetrachloroethane	*79-34-5*	--	*380*	0.20	U	0.20	U
Tetrachloroethene	*127-18-4*	--	*45*	0.25	U	0.25	U
Toluene	*108-88-3*	--	*253*	0.44	U	0.44	U
trans-1,2-Dichloroethene	*156-60-5*	--	*970*	0.38	U	0.38	U
trans-1,3-Dichloropropene	*10061-02-6*	--	--	0.21	U	0.21	U
Freon 113	*76-13-1*	--	--	0.77	U	0.77	U
1,2,3-Trichlorobenzene	*87-61-6*	--	--	0.24	U	0.24	U
1,1,1-Trichloroethane	*71-55-6*	--	*76*	0.25	U	0.25	U
1,1,2-Trichloroethane	*79-00-5*	--	*500*	0.21	U	0.21	U
Trichloroethene	*79-01-6*	--	*47*	0.50	U	0.50	U
Trichlorofluoromethane	*75-69-4*	--	--	0.33	U	0.33	U
1,2,4-Trichlorobenzene	*120-82-1*	--	*30*	0.22	U	0.22	U
Vinyl Chloride	*75-01-4*	--	*930*	0.41	U	0.41	U
m,p-Xylene	*179601-23-1*	--	--	0.40	U	0.40	U
o-Xylene	*95-47-6*	--	--	0.19	U	0.19	U
Xylenes (total)	*1330-20-7*	--	*27*	0.19	U	0.19	U

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

TABLE 3-2

Summary of Semi-Volatile Organic Compounds (SVOCs) in Surface Water

Table 3-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Surface Water (ECO Fresh)
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	SWAIL		SWALE	
			Date Sampled:	1/15/2014		2/21/2014	
			LAB Sample ID:	JB57955-1		JB60243-1	
			LAB:	Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***				
Acenaphthene	*83-32-9*	--	*38*	0.020	U	0.020	U
Acenaphthylene	*208-96-8*	--	*4840*	0.024	U	0.024	U
Acetophenone	*98-86-2*	--	--	0.29	U	0.29	U
Anthracene	*120-12-7*	--	*0.035*	0.020	U	0.020	U
Atrazine	*1912-24-9*	--	--	0.49	U	0.49	U
Benzaldehyde	*100-52-7*	--	--	3.3	U	3.3	U
Benzo(a)pyrene	*50-32-8*	--	*0.014*	0.012	U	0.012	U
Benzo(a)anthracene	*56-55-3*	--	*0.025*	0.188		0.012	U
Benzo(b)fluoranthene	*205-99-2*	--	*9.07*	0.010	U	0.010	U
Benzo(ghi)perylene	*191-24-2*	--	*7.64*	0.016	U	0.016	U
Benzo(k)fluoranthene	*207-08-9*	--	--	0.015	U	0.015	U
1,1-Biphenyl	*92-52-4*	--	--	0.30	U	0.30	U
Bis(2-Chloroethoxy)methane	*111-91-1*	--	--	0.31	U	0.31	U
bis(2-Chloroethyl)ether	*111-44-4*	--	*1900*	0.31	U	0.31	U
bis(2-Chloroisopropyl)ether	*108-60-1*	--	--	0.45	U	0.45	U
bis(2-Ethylhexyl)phthalate	*117-81-7*	--	*0.3*	1.1	BJ	0.59	U
4-Bromophenyl-phenylether	*101-55-3*	--	--	0.36	U	0.36	U
Butyl benzyl phthalate	*85-68-7*	--	*23*	0.29	U	0.29	U
Caprolactam	*105-60-2*	--	--	0.69	U	0.69	U
Carbazole	*86-74-8*	--	--	0.36	U	0.36	U
2-Chloronaphthalene	*91-58-7*	--	*0.396*	0.30	U	0.30	U
4-Chlorophenyl-phenylether	*7005-72-3*	--	--	0.31	U	0.31	U
Chrysene	*218-01-9*	--	--	0.012	U	0.012	U
Dibenz(a,h)anthracene	*53-70-3*	--	--	0.017	U	0.017	U
Dibenzofuran	*132-64-9*	--	--	0.27	U	0.27	U
3,3'-Dichlorobenzidine	*91-94-1*	--	*4.5*	0.36	U	0.36	U
Diethyl phthalate	*84-66-2*	--	*110*	0.33	U	0.33	U
Dimethyl phthalate	*131-11-3*	--	--	0.28	U	0.28	U
Di-n-butyl phthalate	*84-74-2*	--	*9.7*	0.56	U	0.56	U
Dinitrotoluene (2,4-2,6- mixture)	*25321-14-6*	--	--	ND		ND	
2,4-Dinitrotoluene	*121-14-2*	--	*44*	0.43	U	0.43	U
2,6-Dinitrotoluene	*606-20-2*	--	--	0.46	U	0.46	U
Di-n-octyl phthalate	*117-84-0*	--	--	0.31	U	0.31	U
1,4-Dioxane	*123-91-1*	--	--	0.27	U	0.27	U
Fluoranthene	*206-44-0*	--	*1.9*	0.013	U	0.013	U

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

Table 3-2
Summary of Semi-Volatile Organic Compounds (SVOCs) in Surface Water (ECO Fresh)
North Brunswick Gulf Station - North Brunswick, NJ

			Sample No.:	SWAIL		SWALE	
			Date Sampled:	1/15/2014		2/21/2014	
			LAB Sample ID:	JB57955-1		JB60243-1	
			LAB:	Accutest		Accutest	
Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***				
Fluorene	*86-73-7*	--	*19*	0.017	U	0.017	U
Hexachlorobenzene	*118-74-1*	--	*0.0003*	0.017	U	0.017	U
Hexachlorobutadiene	*87-68-3*	--	*0.053*	0.51	U	0.51	U
Hexachlorocyclopentadiene	*77-47-4*	--	*77*	7.1	U	7.1	U
Hexachloroethane	*67-72-1*	--	*8*	0.55	U	0.55	U
High Molecular Weight PAHs	*SRP420*	--	--	0.188		ND	
Indeno(1,2,3-cd)pyrene	*193-39-5*	--	*4.31*	0.014	U	0.014	U
Isophorone	*78-59-1*	--	*920*	0.27	U	0.27	U
Low Molecular Weight PAHs	*SRP419*	--	--	ND		ND	
2-Methylnaphthalene	*91-57-6*	--	*330*	0.38	U	0.38	U
Naphthalene	*91-20-3*	--	*13*	0.036	U	0.036	U
2-Nitroaniline	*88-74-4*	--	--	1.1	U	1.1	U
3-Nitroaniline	*99-09-2*	--	--	1.3	U	1.3	U
4-Nitroaniline	*100-01-6*	--	--	1.7	U	1.7	U
Nitrobenzene	*98-95-3*	--	*220*	0.42	U	0.42	U
n-Nitrosodi-n-propylamine	*621-64-7*	--	--	0.30	U	0.30	U
n-Nitrosodiphenylamine	*86-30-6*	--	--	0.31	U	0.31	U
p-Chloroaniline	*106-47-8*	--	--	0.53	U	0.53	U
Phenanthrene	*85-01-8*	--	*3.6*	0.021	U	0.021	U
Pyrene	*129-00-0*	--	*0.3*	0.015	U	0.015	U
1,2,4,5-Tetrachlorobenzene	*95-94-3*	--	*3*	0.31	U	0.31	U
Total PAHs	*130498-29-2*	--	--	0.188		ND	
Total SVOC TIC	*SRP171*	--	--	ND		ND	
Total VOC and SVOC TICs	*SRP351*	--	--	ND		ND	

ESCSWFA = NJ ESC SW FW2 Acute 2009
ESCSWFC = NJ ESC SW FW2 Chronic 2009
Bold indicates concentrations above the ESCSWFA
Bold and underline indicates concentrations above the ESCSWFC
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

TABLE 3-3

Summary of Metals in Surface Water

Table 3-3
Summary of Metals in Surface Water (ECO Fresh)
North Brunswick Gulf Station - North Brunswick, NJ

Sample No.:	Seep
Date Sampled:	5/11/2017
LAB Sample ID:	JC43105-1
LAB:	Accutest

Parameter (ug/l)	***CAS No.***	***ESC Acute***	***ESC Chronic***		
Lead	*7439-92-1*	*38*	*5.4*	3.2	

ESC = NJDEP Ecological Screening Criteria, March 2009
ESC Acute = Fresh Surface Water Acute (per NJDEP ESC)
ESC Chronic = Fresh Surface Water Chronic (per NJDEP ESC)
Bold indicates concentrations above the ESC Acute
Bold and underline indicates concentrations above the ESC Chronic
ND = Not Detected
NA = Not Analyzed
J = Estimated value below sample reporting limit
MDL = Method Detection Limit
U = Compound not detected above MDL
Values in italics indicate MDL above applicable criterion.

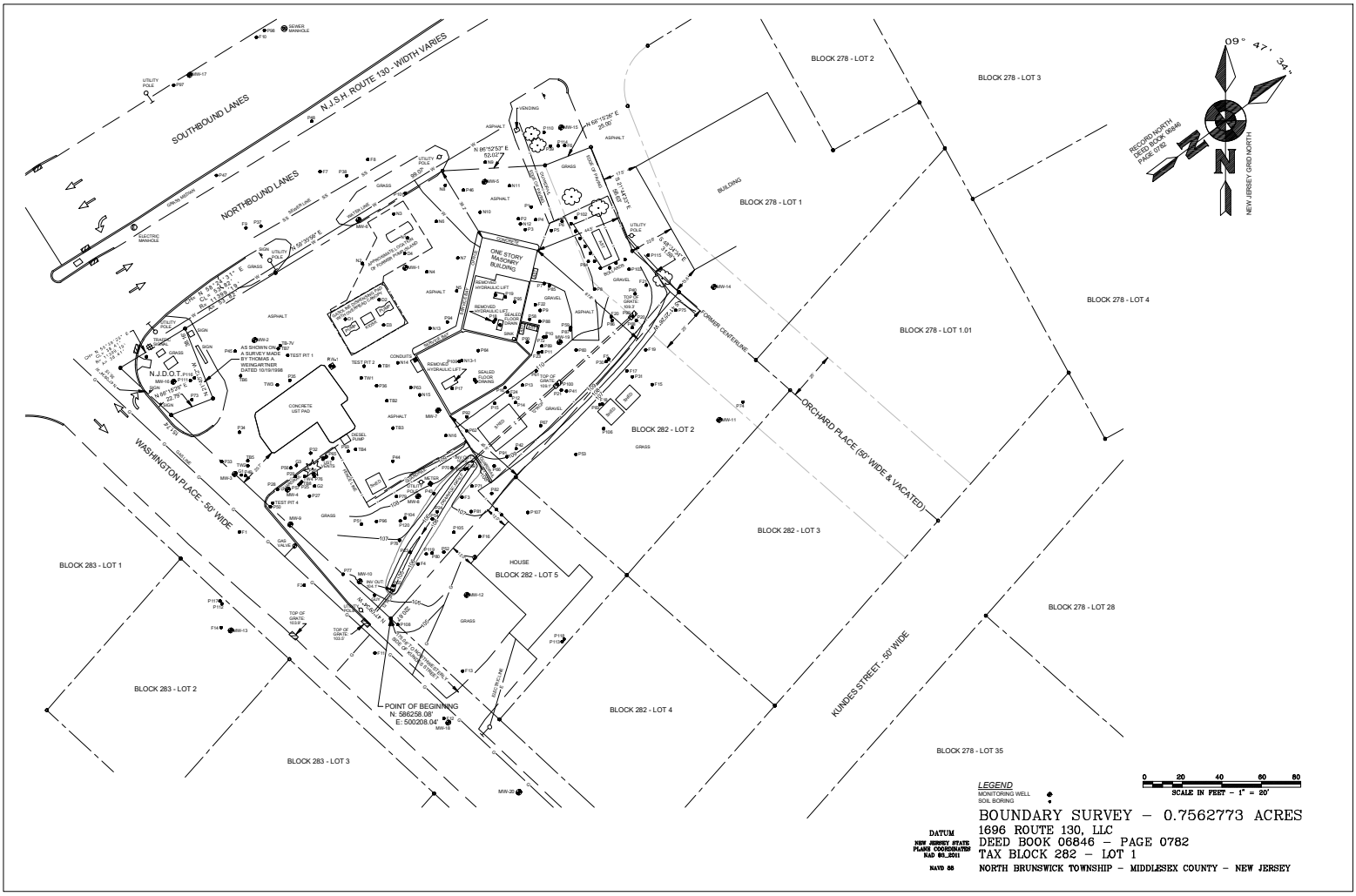
APPENDICES

APPENDIX A:

Site Survey

Prepared by James M. Stewart, PLS of Dennis Sklar, Inc.

Dated October 26, 2018



DATUM
NEW JERSEY STATE PLANE COORDINATES NAD 83, 2011
NAVD 88

BOUNDARY SURVEY - 0.7562773 ACRES

1696 ROUTE 130, LLC
DEED BOOK 06846 - PAGE 0782
TAX BLOCK 282 - LOT 1
NORTH BRUNSWICK TOWNSHIP - MIDDLESEX COUNTY - NEW JERSEY

APPENDIX B:

Ecological Evaluation Site Inspection Photo Log

SITE PHOTOGRAPHS

North Brunswick Gulf Service Station – Ecological Evaluation
1696 Georges Road, North Brunswick Township, New Jersey
Photographs taken by TRC, February 13, 2019



Photograph 1 – *View looking south at southwest corner of the Site toward Washington Place.*



Photograph 2 – *View looking northwest at one of the two stormwater drainage outfalls that discharge into Farrington Lake. The drainage outfall is located approximately 1,500 feet south of the Site boundary.*



Photograph 3 – *View looking west at second stormwater drainage outfall into Farrington Lake. Note that a high velocity of stormwater was observed discharging from the outfall during the time of the inspection.*



Photograph 4 *- View looking south towards Farrington Lake downstream from stormwater drainage outfall pictured in Figure 2.*



Photograph 5 *- View looking northwest along Washington Place toward the Site and near the stormwater drainage outfall pictured in* ***Figure 3****.*



Photograph 6 - *View looking northwest at the onsite drainage ditch. Note the rip-rap lining and a layer of leaves, twigs, and garbage. The ditch had no surface water present at the time of this photograph.*



Photograph 7 - *View looking northeast at the upland area near the ditch (right).*



Photograph 8 *- View looking northwest across the onsite ditch.*



Photograph 9 – *View looking east at Site from Washington Place. This photo depicts the main use and typical operations at the Site.*

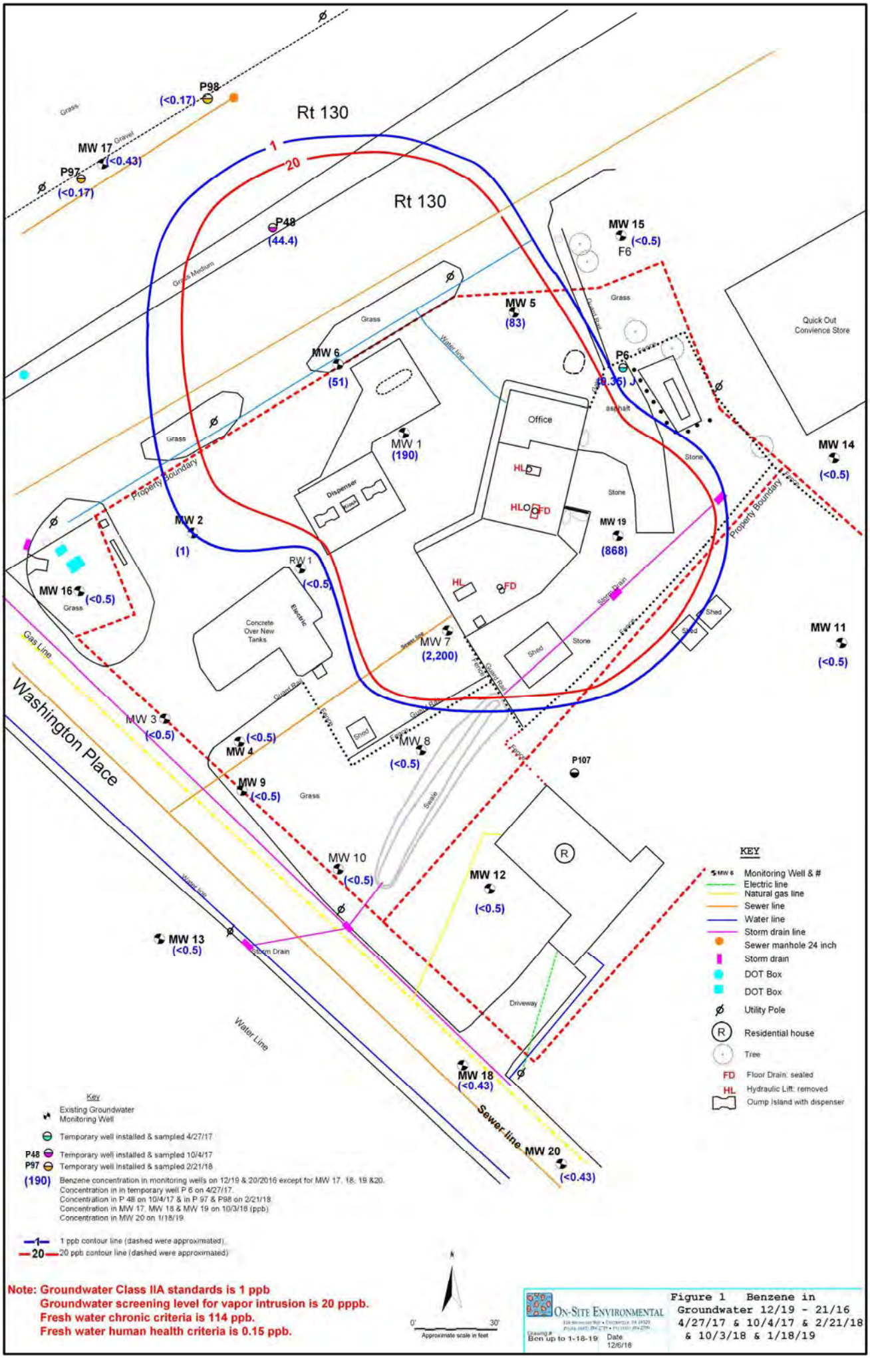


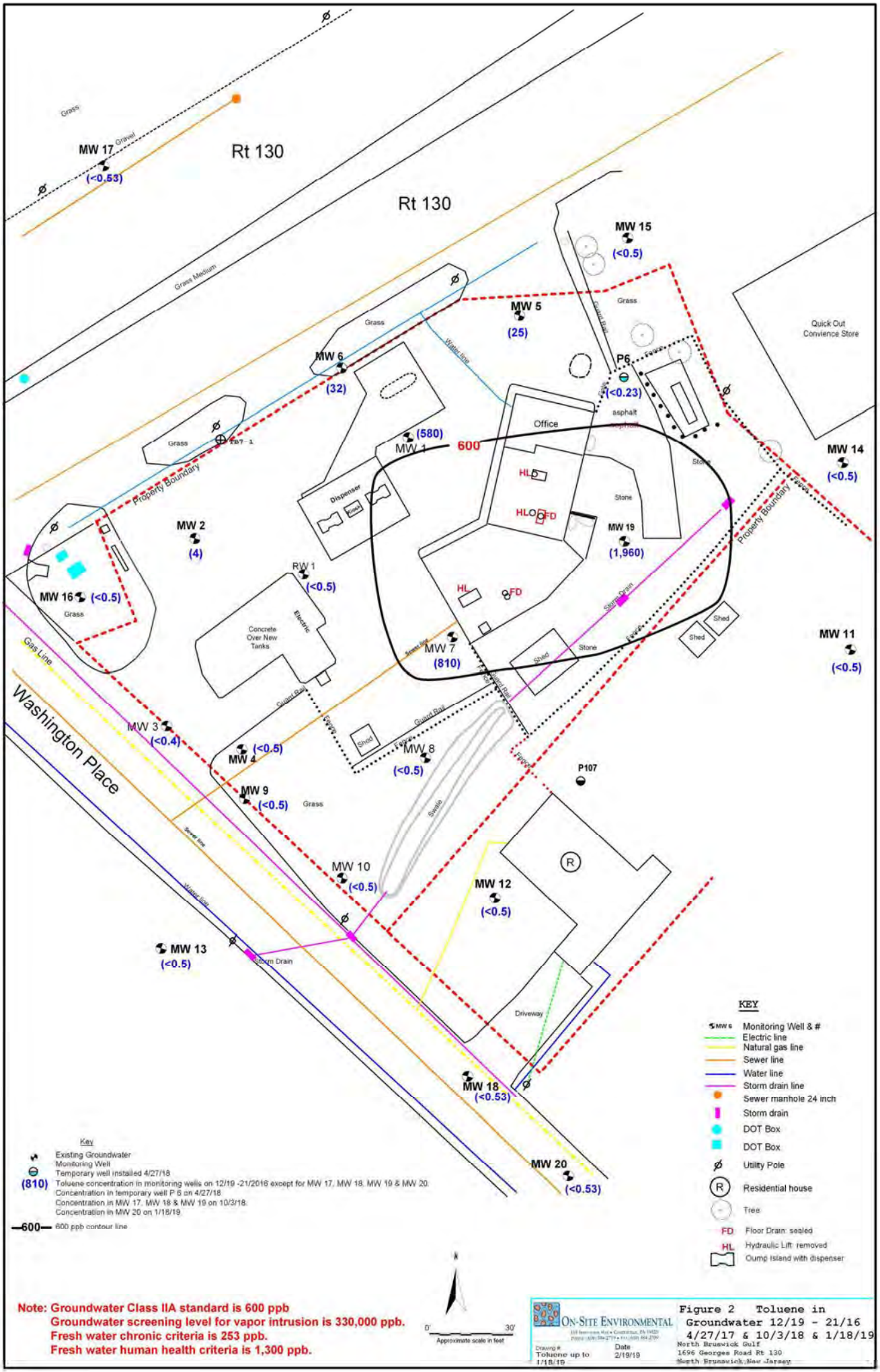
Photograph 10 – *View looking west behind auto body shop. Two above-ground storage tanks are shown along the wall.*

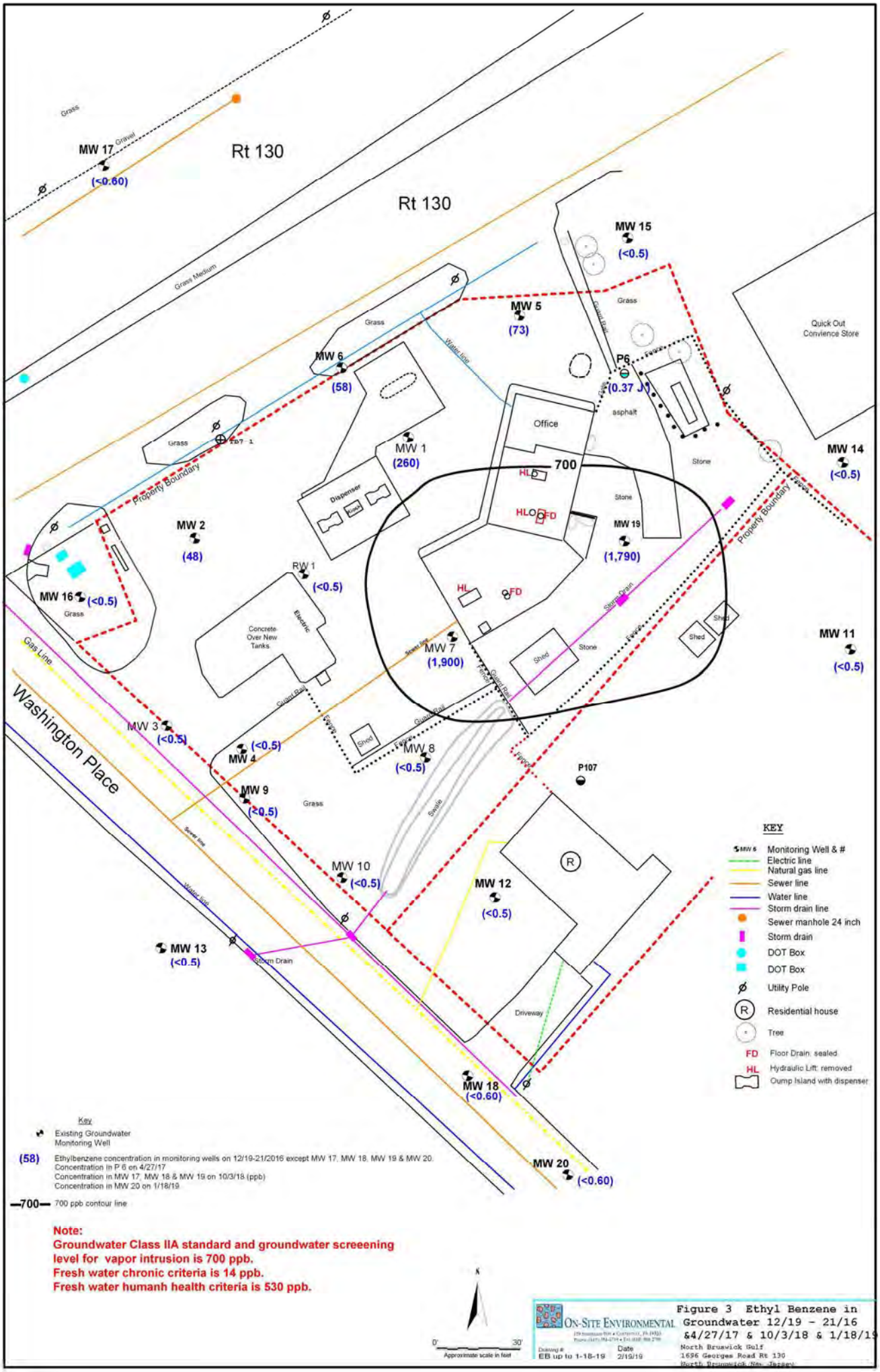
APPENDIX C:

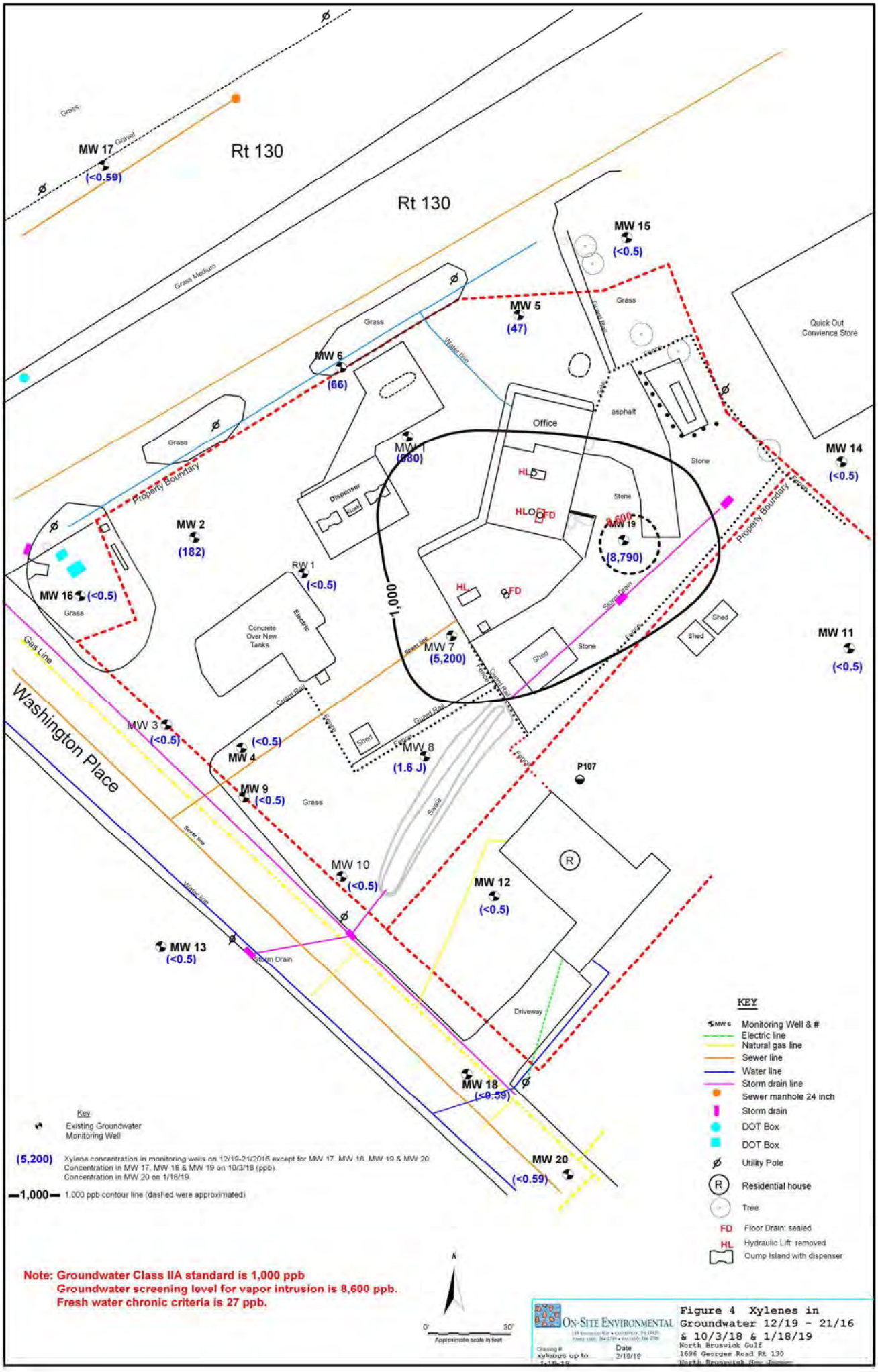
Groundwater Contaminant Iso-Concentration and Flow Contour Maps

Prepared by On-Site Environmental, Inc.


Rt 130
Rt 130
P98
(<0.17)
MW 17
(<0.43)
P97
(<0.17)
P48
(44.4)
MW 15
(<0.5)
F6
MW 5
(83)
MW 6
(51)
P6
(0.35) J
MW 1
(190)
MW 14
(<0.5)
MW 2
(1)
MW 19
(868)
RW 1
(<0.5)
MW 16
(<0.5)
MW 7
(2,200)
MW 11
(<0.5)
MW 3
(<0.5)
MW 4
(<0.5)
MW 8
(<0.5)
P107
MW 9
(<0.5)
MW 10
(<0.5)
MW 12
(<0.5)
MW 13
(<0.5)
MW 18
(<0.43)
MW 20
(<0.43)
Washington Place
Property Boundary
Quick Out
Convience Store
Office
Concrete
Over New
Tanks
Dispenser
Shed
Grass
Gravel
Asphalt
Stone
Fence
Gas Line
Water line
Storm Drain
Sewer line
Driveway
Swale
Guard Rail
Electric
HL
FD
HLO
KEY
Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
Floor Drain: sealed
Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
Temporary well installed & sampled 4/27/17
Temporary well installed & sampled 10/4/17
Temporary well installed & sampled 2/21/18
(190) Benzene concentration in monitoring wells on 12/19 & 20/2016 except for MW 17, 18, 19 &20.
Concentration in in temporary well P 6 on 4/27/17.
Concentration in P 48 on 10/4/17 & in P 97 & P98 on 2/21/18
Concentration in MW 17, MW 18 & MW 19 on 10/3/18 (ppb)
Concentration in MW 20 on 1/18/19
1 ppb contour line (dashed were approximated)
20 ppb contour line (dashed were approximated)
Note: Groundwater Class IIA standards is 1 ppb
Groundwater screening level for vapor intrusion is 20 pppb.
Fresh water chronic criteria is 114 ppb.
Fresh water human health criteria is 0.15 ppb.
N
0'
30'
Approximate scale in feet
On-Site Environmental
Ben up to 1-18-19
Date
12/6/18
Figure 1 Benzene in Groundwater 12/19 - 21/16 4/27/17 & 10/4/17 & 2/21/18 & 10/3/18 & 1/18/19


Rt 130
Rt 130
MW 17
(<0.53)
Gravel
Grass
Grass Medium
MW 15
(<0.5)
MW 5
(25)
Grass
Guard Rail
Quick Out
Convience Store
MW 6
(32)
Water line
P6
(<0.23)
Fence
asphalt
Grass
Office
(580)
MW 1
600
Stone
MW 14
(<0.5)
HLD
HLO
FD
Dispenser
Shed
Property Boundary
MW 2
(4)
MW 19
(1,960)
RW 1
(<0.5)
MW 16
(<0.5)
Grass
HL
FD
Concrete
Over New
Tanks
Electric
Storm Drain
Shed
Shed
Stone
MW 11
(<0.5)
Gas Line
MW 7
(810)
Guard Rail
Fence
Guard Rail
Guard Rail
Fence
Washington Place
MW 3
(<0.4)
MW 4
(<0.5)
Shed
MW 8
(<0.5)
Fence
P107
MW 9
(<0.5)
Grass
Swale
Sewer line
Water line
MW 10
(<0.5)
MW 12
(<0.5)
R
MW 13
(<0.5)
Storm Drain
Driveway
MW 18
(<0.53)
MW 20
(<0.53)
Key
Existing Groundwater Monitoring Well
Temporary well installed 4/27/18
(810) Toluene concentration in monitoring wells on 12/19 -21/2016 except for MW 17, MW 18, MW 19 & MW 20.
Concentration in temporary well P 6 on 4/27/18
Concentration in MW 17, MW 18 & MW 19 on 10/3/18.
Concentration in MW 20 on 1/18/19
600 600 ppb contour line
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
N
0'
30'
Approximate scale in feet
Note: Groundwater Class IIA standard is 600 ppb
Groundwater screening level for vapor intrusion is 330,000 ppb.
Fresh water chronic criteria is 253 ppb.
Fresh water human health criteria is 1,300 ppb.
ON-SITE ENVIRONMENTAL
Drawing # Toluene up to 1/18/19
Date 2/19/19
Figure 2 Toluene in Groundwater 12/19 - 21/16 4/27/17 & 10/3/18 & 1/18/19
North Brunswick Gulf
1696 Georges Road Rt 130
North Brunswick, New Jersey


Rt 130
Rt 130
MW 17
(<0.60)
MW 15
(<0.5)
MW 5
(73)
MW 6
(58)
P6
(0.37 J)
MW 1
(260)
MW 14
(<0.5)
MW 2
(48)
MW 19
(1,790)
RW 1
(<0.5)
MW 16
(<0.5)
MW 7
(1,900)
MW 11
(<0.5)
MW 3
(<0.5)
MW 4
(<0.5)
MW 8
(<0.5)
P107
MW 9
(<0.5)
MW 10
(<0.5)
MW 12
(<0.5)
MW 13
(<0.5)
MW 18
(<0.60)
MW 20
(<0.60)
Quick Out
Convience Store
Office
700
Dispenser
Concrete
Over New
Tanks
Property Boundary
Washington Place
Gas Line
Water line
Storm Drain
Sewer line
Driveway
Grass
Stone
asphalt
Shed
Fence
Guard Rail
Swale
KEY
Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater
Monitoring Well
(58) Ethylbenzene concentration in monitoring wells on 12/19-21/2016 except MW 17, MW 18, MW 19 & MW 20.
Concentration in P 6 on 4/27/17
Concentration in MW 17, MW 18 & MW 19 on 10/3/18 (ppb)
Concentration in MW 20 on 1/18/19
700 700 ppb contour line
Note:
Groundwater Class IIA standard and groundwater screeening
level for vapor intrusion is 700 ppb.
Fresh water chronic criteria is 14 ppb.
Fresh water humanh health criteria is 530 ppb.
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing #
EB up to 1-18-19
Date
2/19/19
Figure 3 Ethyl Benzene in
Groundwater 12/19 - 21/16
&4/27/17 & 10/3/18 & 1/18/19
North Brunswick Gulf
1696 Georges Road Rt 130
North Brunswick, New Jersey


Rt 130
Rt 130
MW 17
(<0.59)
Gravel
Grass
Grass Medium
MW 15
(<0.5)
MW 5
(47)
Grass
Guard Rail
Quick Out
Convience Store
MW 6
(66)
Water line
Fence
Grass
Office
asphalt
MW 1
(880)
Stone
MW 14
(<0.5)
Property Boundary
Dispenser
Island
HL
FD
HLO
Stone
MW 2
(182)
8,600
MW 19
(8,790)
Property Boundary
Fence
RW 1
(<0.5)
MW 16 (<0.5)
Grass
1,000
HL
FD
Storm Drain
Concrete
Over New
Tanks
Electric
Sewer line
MW 7
(5,200)
Shed
Shed
Shed
Stone
Fence
Guard Rail
MW 11
(<0.5)
Gas Line
Washington Place
Guard Rail
Fence
MW 3
(<0.5)
MW 4
(<0.5)
Shed
Fence
Guard Rail
MW 8
(1.6 J)
Fence
P107
MW 9
(<0.5)
Grass
Swale
Sewer line
MW 10
(<0.5)
MW 12
(<0.5)
R
Water line
MW 13
(<0.5)
Storm Drain
Driveway
MW 18
(<0.59)
MW 20
(<0.59)
Key
Existing Groundwater
Monitoring Well
(5,200) Xylene concentration in monitoring wells on 12/19-21/2016 except for MW 17, MW 18, MW 19 & MW 20.
Concentration in MW 17, MW 18 & MW 19 on 10/3/18 (ppb).
Concentration in MW 20 on 1/18/19.
1,000 1,000 ppb contour line (dashed were approximated)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Note: Groundwater Class IIA standard is 1,000 ppb
Groundwater screening level for vapor intrusion is 8,600 ppb.
Fresh water chronic criteria is 27 ppb.
N
0'
30'
Approximate scale in feet
On-Site Environmental
Drawing # xylenes up to
Date 2/19/19
Figure 4 Xylenes in Groundwater 12/19 - 21/16 & 10/3/18 & 1/18/19
North Brunswick Gulf
1696 Georges Road Rt 130
North Brunswick New Jersey

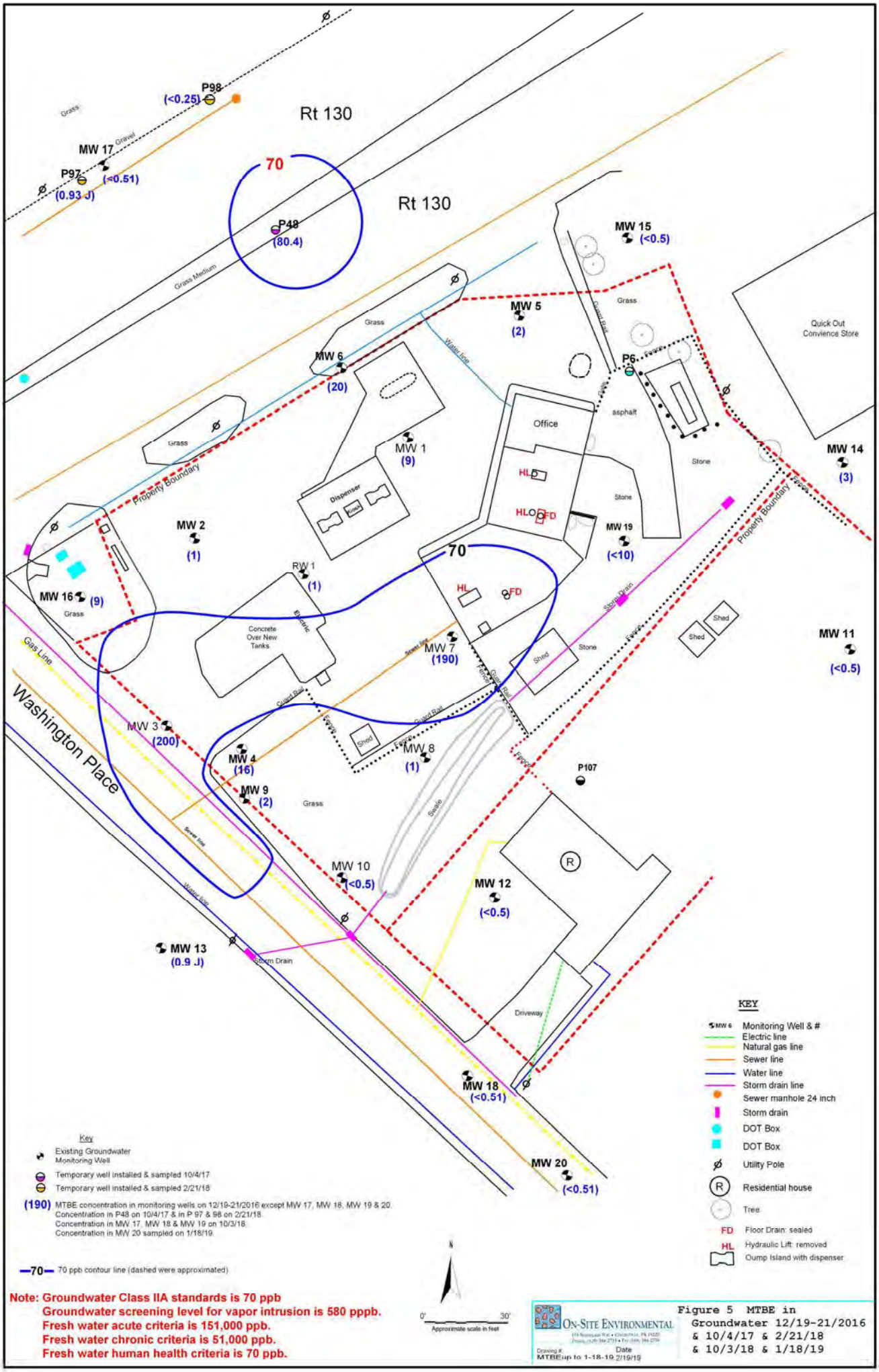


Figure 5 MTBE in Groundwater 12/19-21/2016 & 10/4/17 & 2/21/18 & 10/3/18 & 1/18/19

Note: Groundwater Class IIA standards is 70 ppb
Groundwater screening level for vapor intrusion is 580 pppb.
Fresh water acute criteria is 151,000 ppb.
Fresh water chronic criteria is 51,000 ppb.
Fresh water human health criteria is 70 ppb.

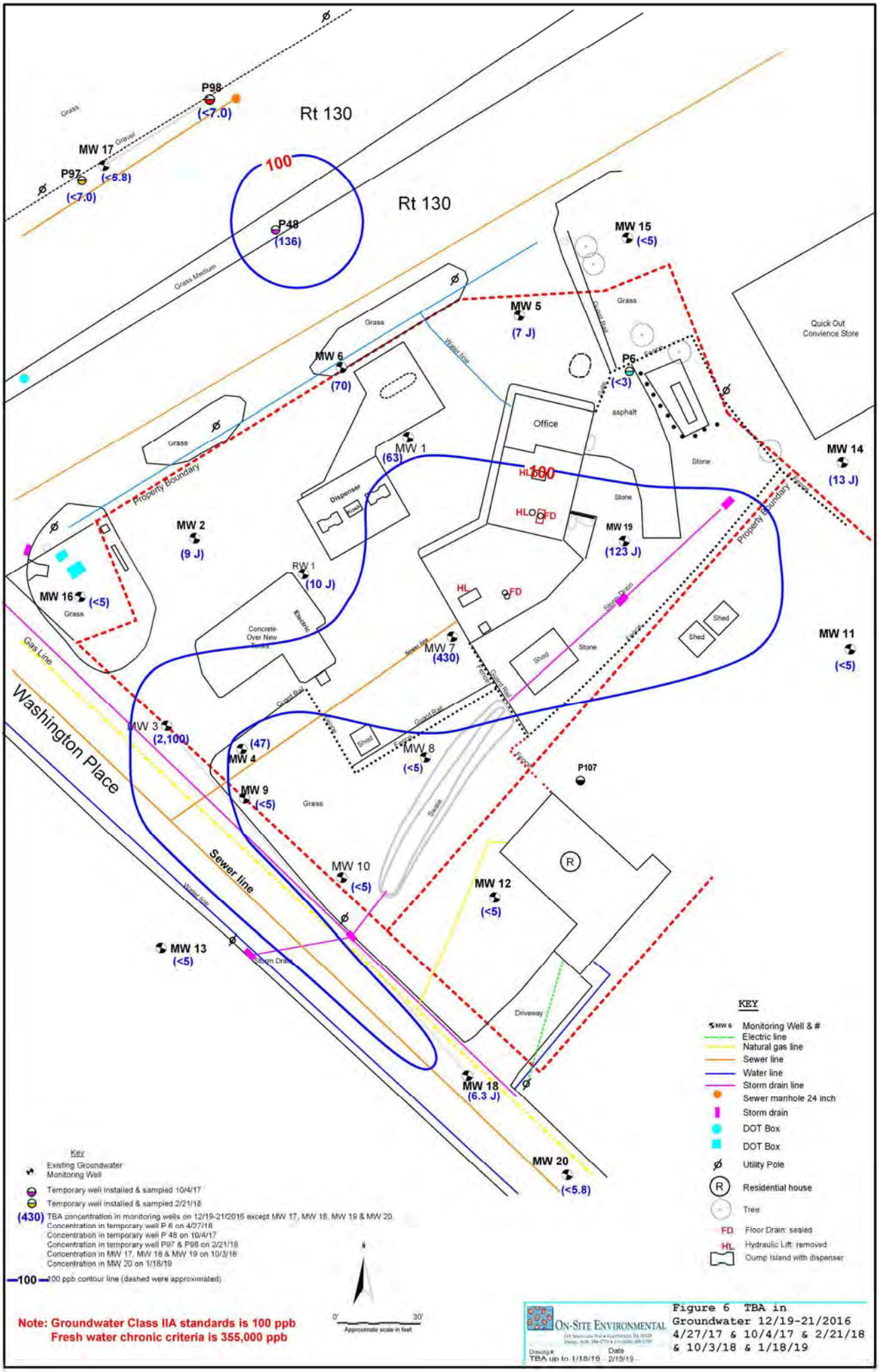
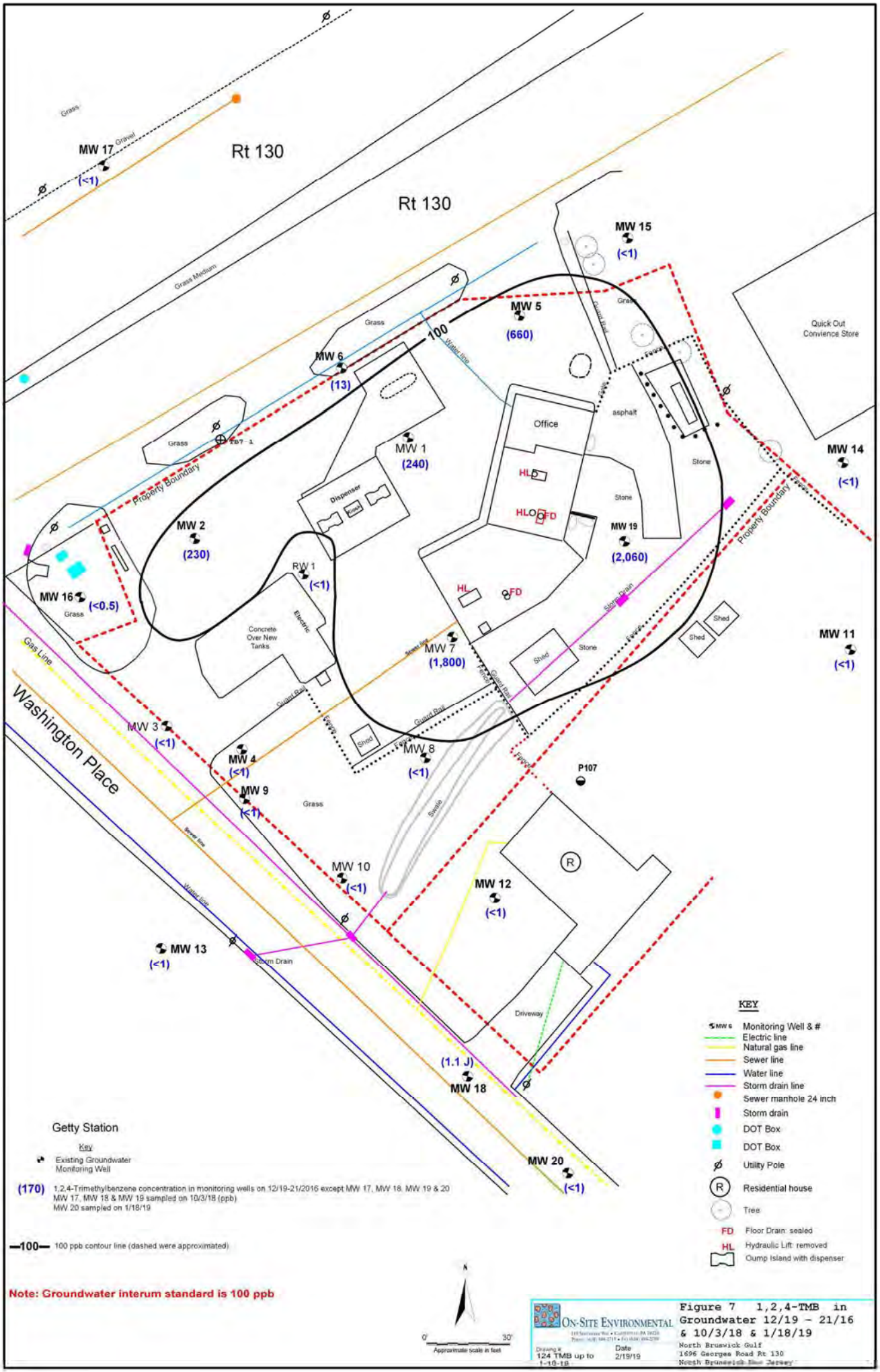
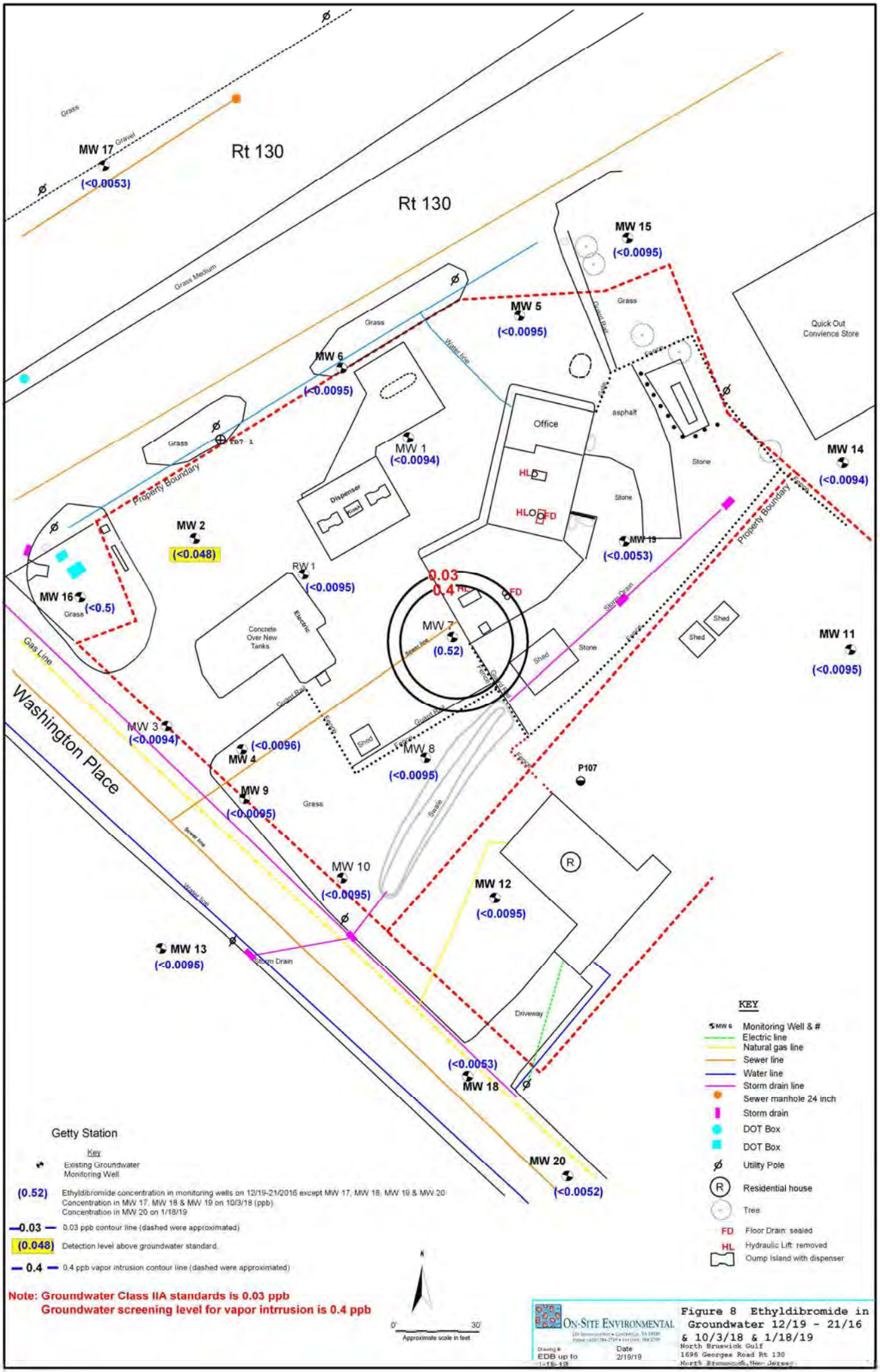
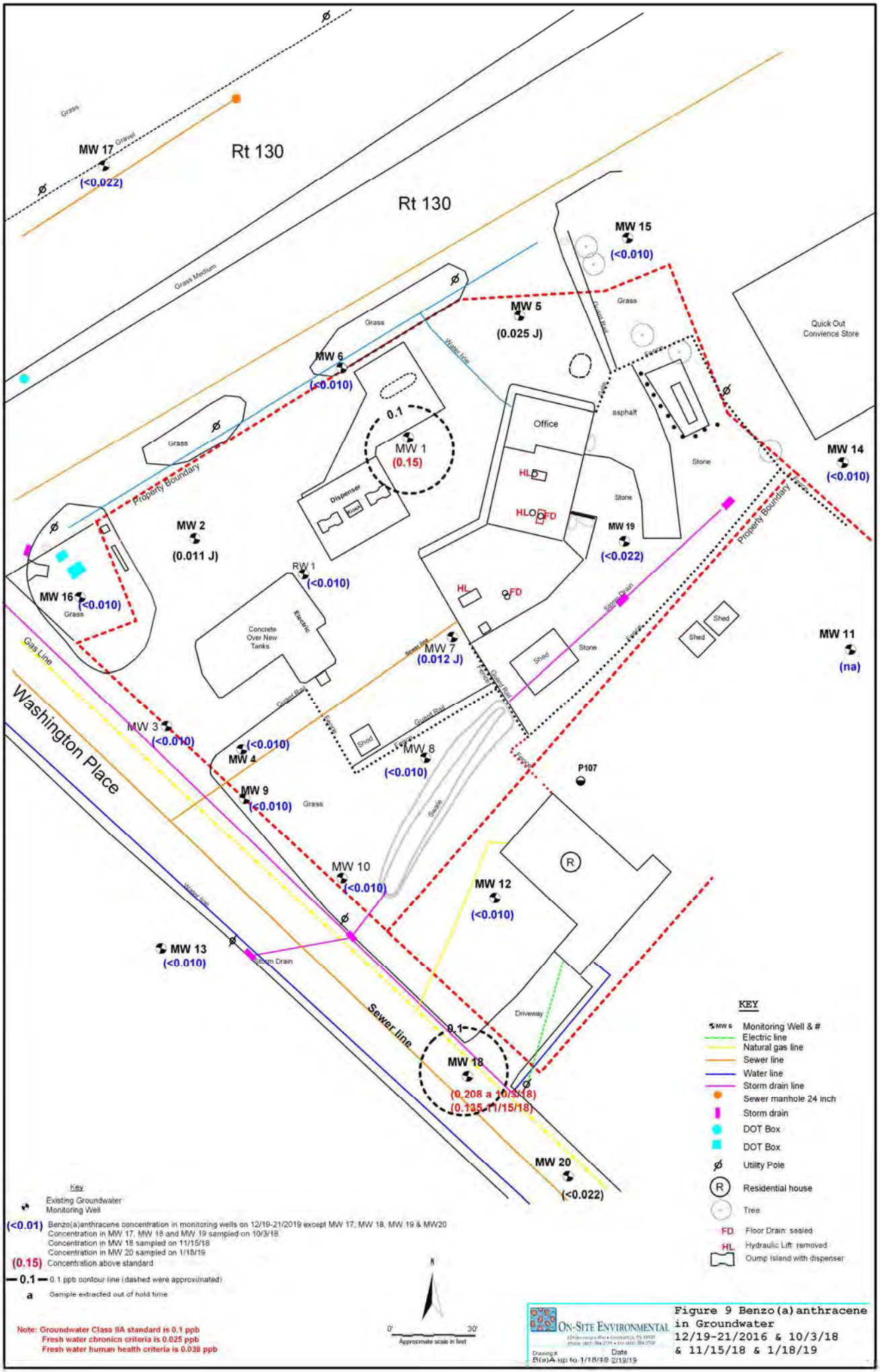
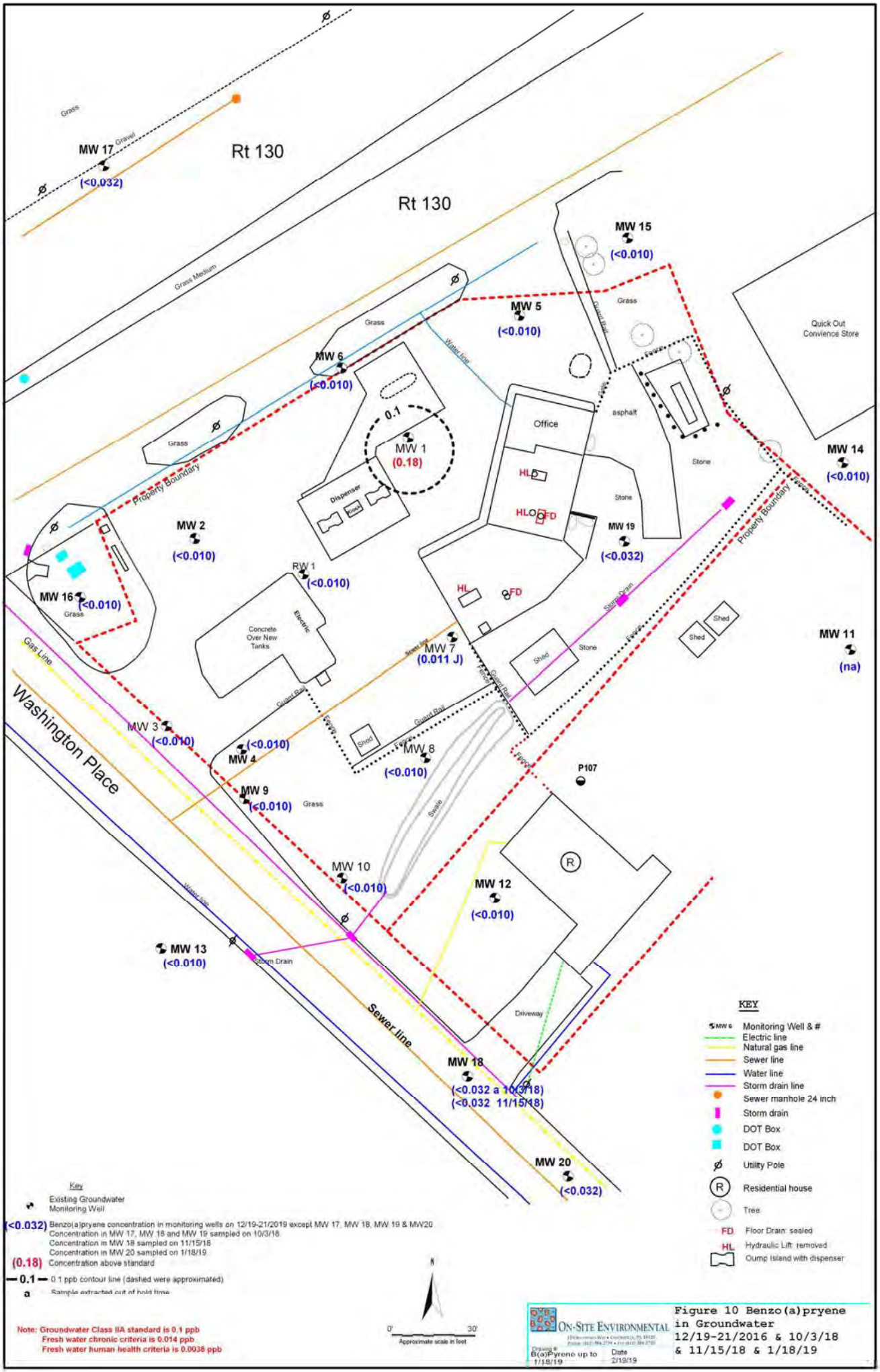


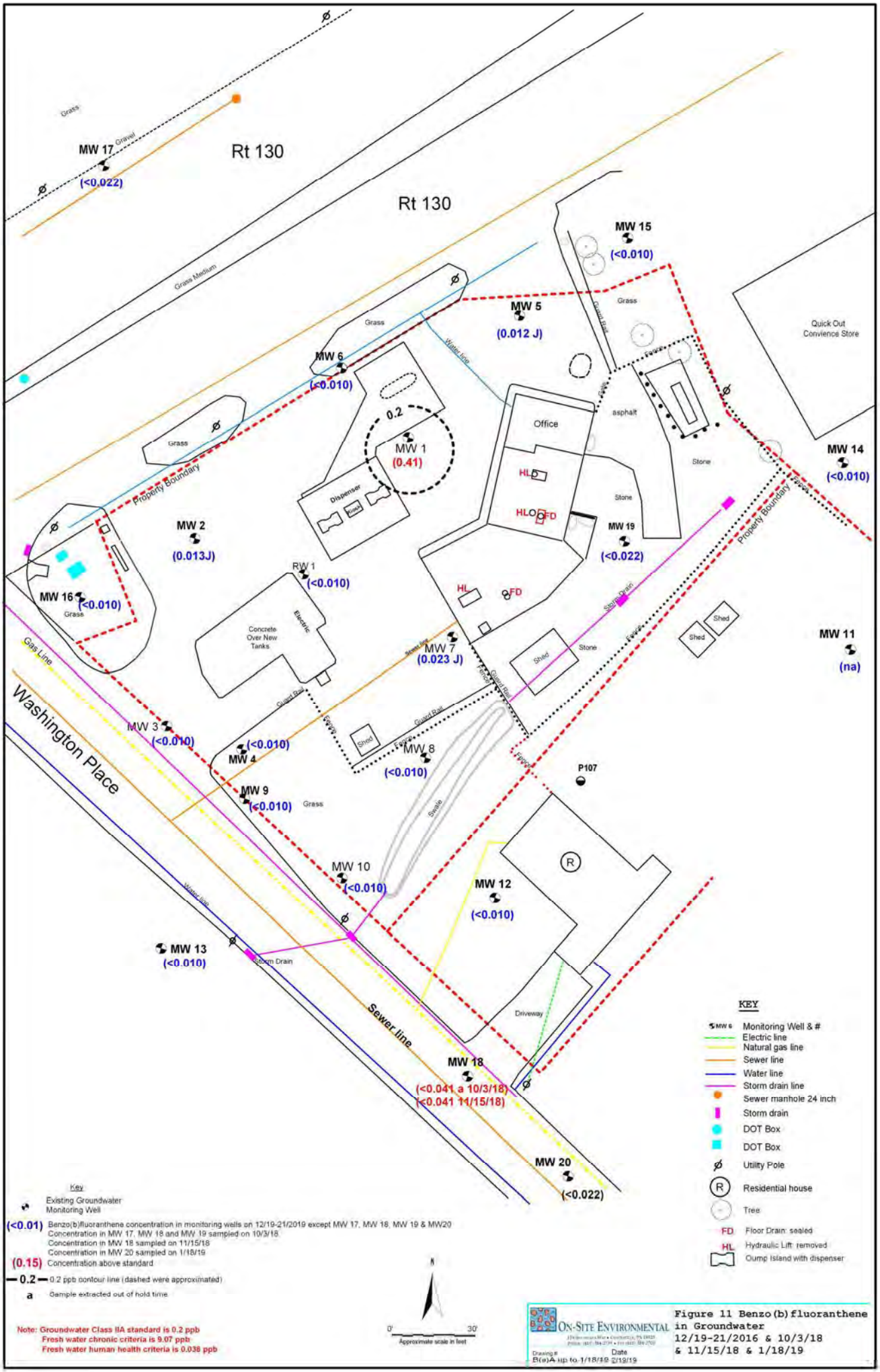
Figure 6 TBA in Groundwater 12/19-21/2016 4/27/17 & 10/4/17 & 2/21/18 & 10/3/18 & 1/18/19

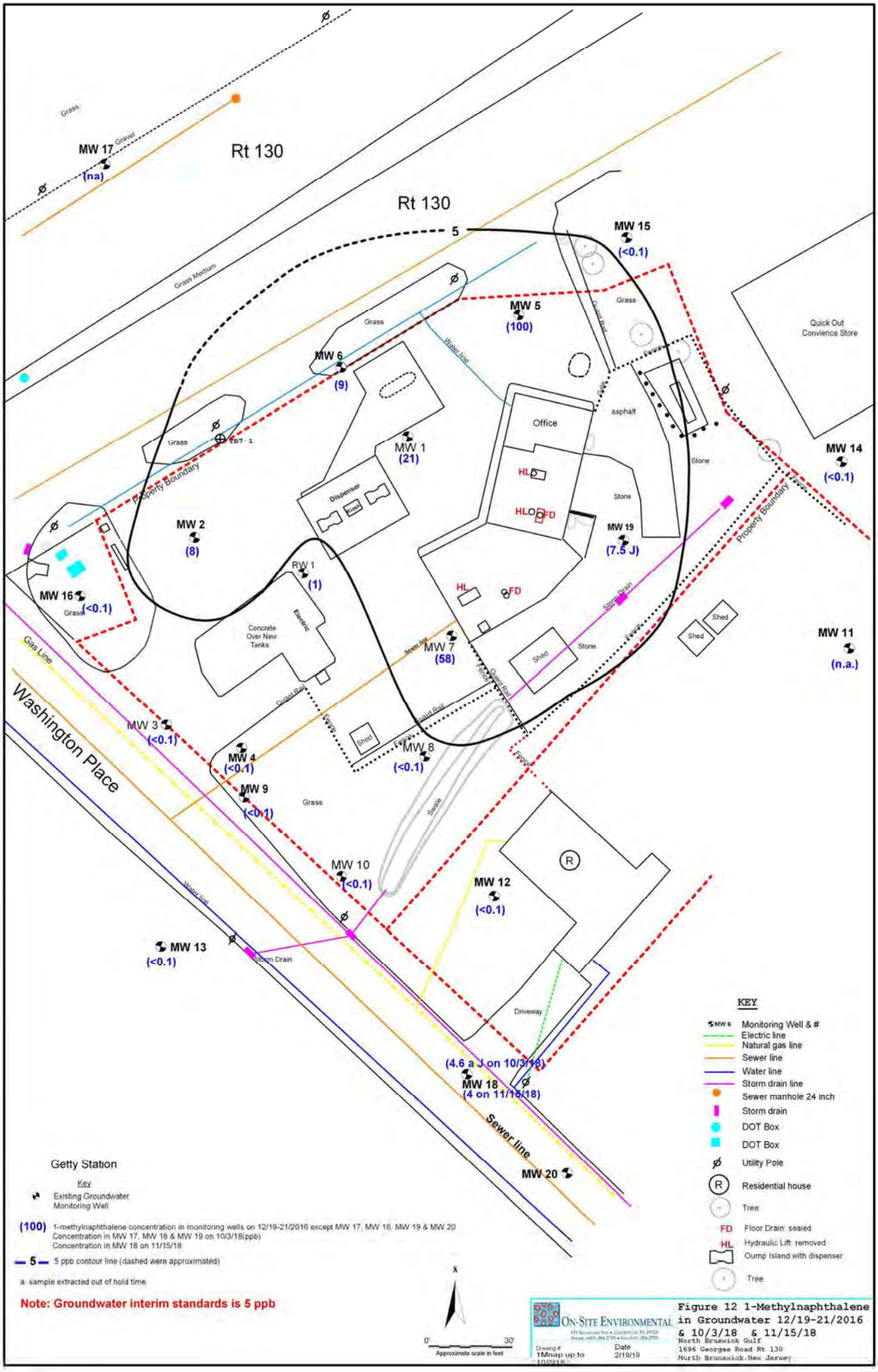

Rt 130
Rt 130
MW 17
(<1)
Gravel
Grass
Grass Medium
MW 15
(<1)
MW 5
(660)
100
Water line
MW 6
(13)
Grass
Quick Out
Convience Store
Office
asphalt
Fence
Stone
MW 14
(<1)
MW 1
(240)
Dispenser
Fence
HL
FD
HLO
MW 19
(2,060)
Property Boundary
MW 2
(230)
RW 1
(<1)
MW 16
(<0.5)
Grass
Concrete
Over New
Tanks
Electric
Storm Drain
Shed
Shed
MW 11
(<1)
Gas Line
Sewer line
MW 7
(1,800)
Gravel Pad
Fence
Shed
Stone
Washington Place
MW 3
(<1)
MW 4
(<1)
MW 8
(<1)
P107
MW 9
(<1)
Grass
Swale
MW 10
(<1)
MW 12
(<1)
R
Sewer line
Water line
MW 13
(<1)
Storm Drain
Driveway
(1.1 J)
MW 18
MW 20
(<1)
Getty Station
Key
Existing Groundwater
Monitoring Well
(170) 1,2,4-Trimethylbenzene concentration in monitoring wells on 12/19-21/2016 except MW 17, MW 18, MW 19 & 20
MW 17, MW 18 & MW 19 sampled on 10/3/18 (ppb)
MW 20 sampled on 1/18/19
—100— 100 ppb contour line (dashed were approximated)
Note: Groundwater interum standard is 100 ppb
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing #
124 TMB up to
1-10-19
Date
2/19/19
Figure 7 1,2,4-TMB in Groundwater 12/19 – 21/16 & 10/3/18 & 1/18/19
North Brunswick Gulf
1696 Georges Road Rt 130
North Brunswick New Jersey

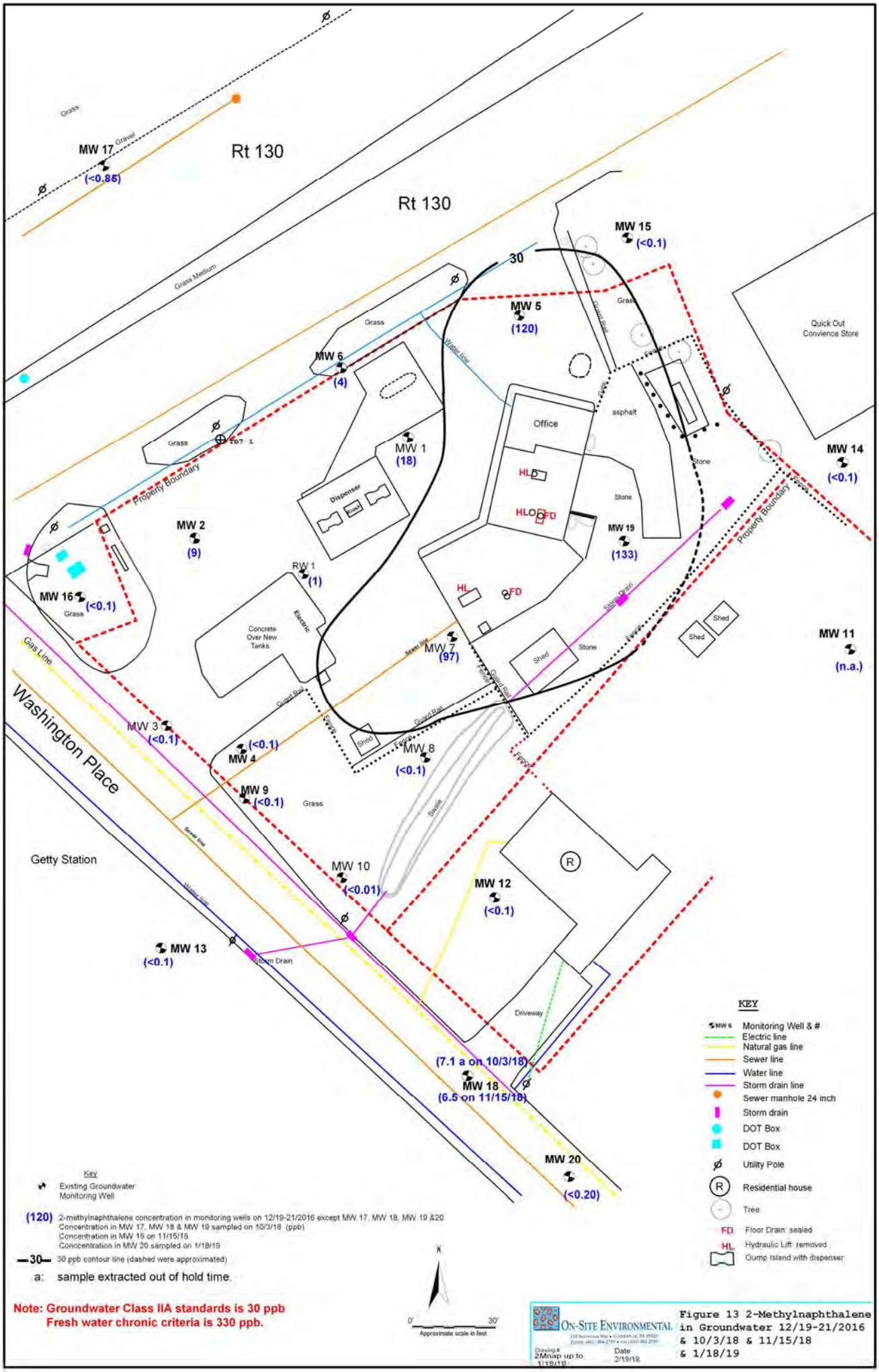

Rt 130
Rt 130
MW 17
(<0.0053)
MW 15
(<0.0095)
MW 5
(<0.0095)
MW 6
(<0.0095)
MW 1
(<0.0094)
MW 14
(<0.0094)
MW 2
(<0.048)
MW 19
(<0.0053)
RW 1
(<0.0095)
MW 16
(<0.5)
0.03
0.4
MW 7
(0.52)
MW 11
(<0.0095)
MW 3
(<0.0094)
MW 4
(<0.0096)
MW 8
(<0.0095)
MW 9
(<0.0095)
P107
MW 10
(<0.0095)
MW 12
(<0.0095)
MW 13
(<0.0095)
(<0.0053)
MW 18
MW 20
(<0.0052)
Quick Out
Convience Store
Office
Dispenser
Concrete
Over New
Tanks
Property Boundary
Washington Place
Gas Line
Water line
Sewer line
Storm Drain
Grass
asphalt
Stone
Shed
Driveway
Fence
Guard Rail
Swale
Electric
Natural gas line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
Utility Pole
Residential house
Tree
Floor Drain: sealed
Hydraulic Lift: removed
Pump Island with dispenser
KEY
Monitoring Well & #
Getty Station
Key
Existing Groundwater
Monitoring Well
(0.52) Ethyldibromide concentration in monitoring wells on 12/19-21/2016 except MW 17, MW 18, MW 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 on 10/3/18 (ppb)
Concentration in MW 20 on 1/18/19
0.03 ppb contour line (dashed were approximated)
(0.048) Detection level above groundwater standard.
0.4 ppb vapor intrusion contour line (dashed were approximated)
Note: Groundwater Class IIA standards is 0.03 ppb
Groundwater screening level for vapor intrusion is 0.4 ppb
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing is:
EDB up to
1/18/19
Date
2/19/19
Figure 8 Ethyldibromide in
Groundwater 12/19 - 21/16
& 10/3/18 & 1/18/19
North Brunswick Gulf
1696 Georges Road Rt 130
North Brunswick, New Jersey

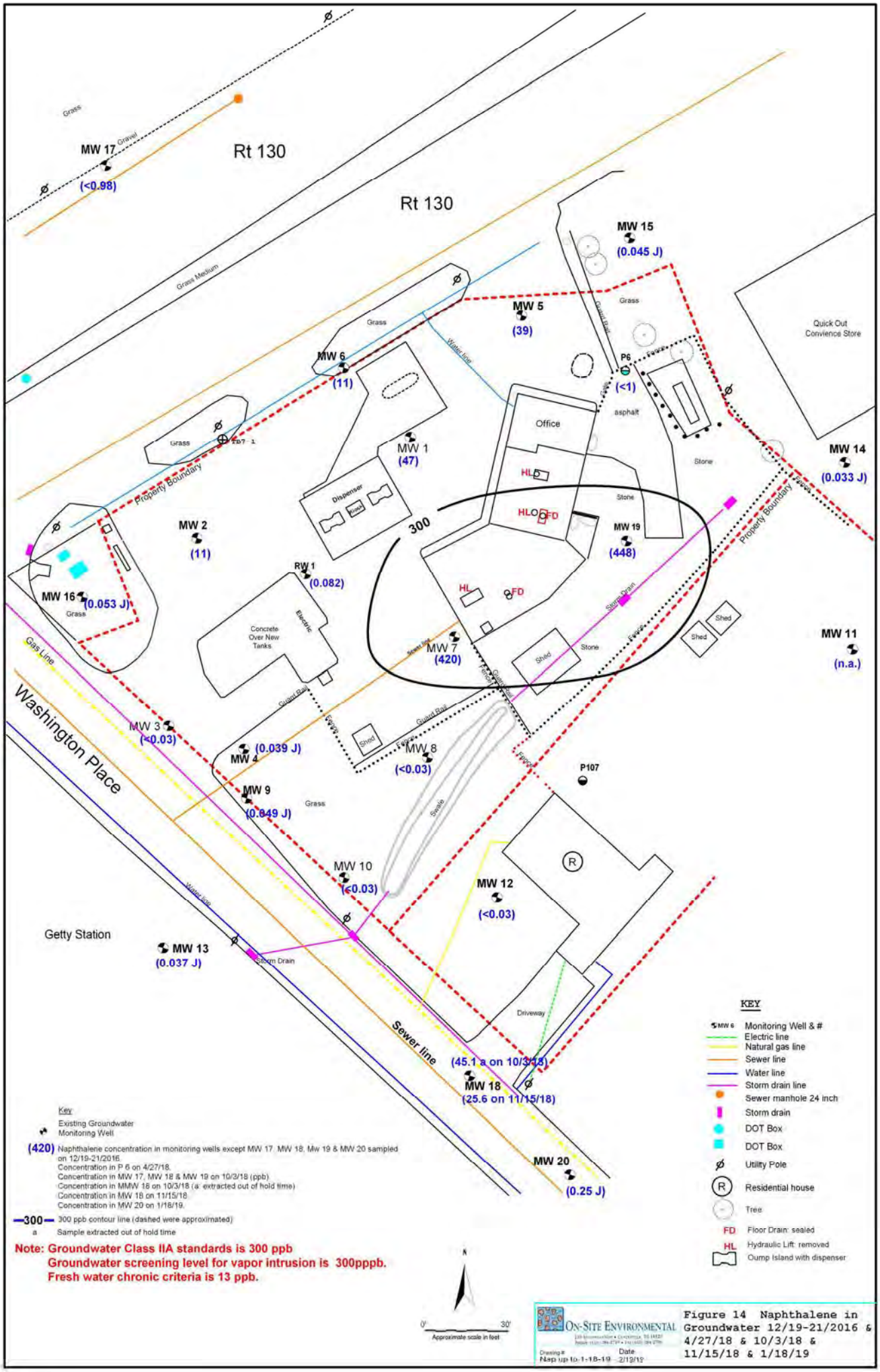

Rt 130
Rt 130
MW 17
(<0.022)
Gravel
Grass
Grass Medium
MW 15
(<0.010)
MW 5
(0.025 J)
Grass
Guard Rail
Quick Out
Convience Store
MW 6
(<0.010)
Water line
Fence
asphalt
Grass
Office
0.1
MW 1
(0.15)
Stone
MW 14
(<0.010)
Property Boundary
Dispenser
Shed
HL
FD
HLO
MW 2
(0.011 J)
MW 19
(<0.022)
RW 1
(<0.010)
MW 16
(<0.010)
Grass
Concrete
Over New
Tanks
Electric
Storm Drain
Shed
MW 11
(na)
Gas Line
MW 7
(0.012 J)
Stone
Guard Rail
Fence
Washington Place
MW 3
(<0.010)
MW 4
(<0.010)
MW 8
(<0.010)
P107
MW 9
(<0.010)
Grass
Swale
MW 10
(<0.010)
MW 12
(<0.010)
R
Water line
MW 13
(<0.010)
Storm Drain
Sewer line
Driveway
0.1
MW 18
(0.208 a 10/3/18)
(0.135 11/15/18)
MW 20
(<0.022)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Dump Island with dispenser
Key
Existing Groundwater Monitoring Well
(<0.01) Benzo(a)anthracene concentration in monitoring wells on 12/19-21/2019 except MW 17, MW 18, MW 19 & MW20
Concentration in MW 17, MW 18 and MW 19 sampled on 10/3/18
Concentration in MW 18 sampled on 11/15/18
Concentration in MW 20 sampled on 1/18/19
(0.15) Concentration above standard
0.1 0.1 ppb contour line (dashed were approximated)
a Sample extracted out of hold time
Note: Groundwater Class IIA standard is 0.1 ppb
Fresh water chronicn criteria is 0.025 ppb
Fresh water human health criteria is 0.038 ppb
N
0' 30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing # B(a)A up to 1/18/19
Date 2/19/19
Figure 9 Benzo(a)anthracene in Groundwater 12/19-21/2016 & 10/3/18 & 11/15/18 & 1/18/19

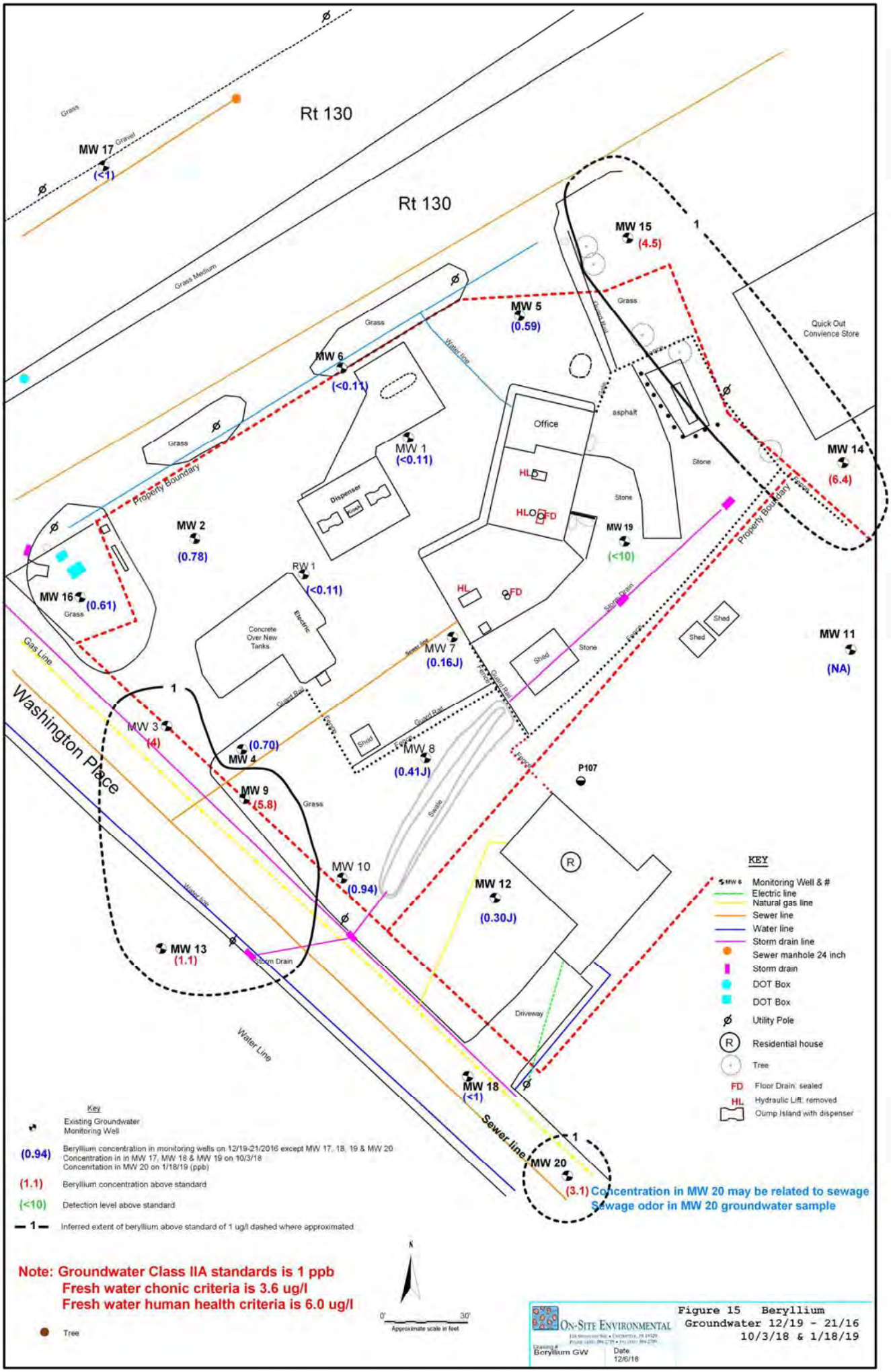

Rt 130
Rt 130
MW 17
(<0.032)
MW 15
(<0.010)
MW 5
(<0.010)
MW 6
(<0.010)
MW 1
(0.18)
0.1
MW 2
(<0.010)
MW 16
(<0.010)
RW 1
(<0.010)
MW 7
(0.011 J)
MW 19
(<0.032)
MW 14
(<0.010)
MW 11
(na)
MW 3
(<0.010)
MW 4
(<0.010)
MW 8
(<0.010)
MW 9
(<0.010)
MW 10
(<0.010)
MW 12
(<0.010)
MW 13
(<0.010)
MW 18
(<0.032 a 10/3/18)
(<0.032 11/15/18)
MW 20
(<0.032)
P107
Quick Out
Convience Store
Office
Dispenser
Concrete
Over New
Tanks
Shed
Shed
Shed
asphalt
Stone
Stone
Grass
Grass
Grass
Grass
Grass
Grass Medium
Gravel
Property Boundary
Property Boundary
Gas Line
Washington Place
Water line
Water line
Sewer line
Storm Drain
Storm Drain
Sewer line
Driveway
Swale
Guard Rail
Guard Rail
Guard Rail
Fence
Fence
Fence
Fence
Fence
HL
HLO
FD
HL
FD
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(<0.032) Benzo(a)pryene concentration in monitoring wells on 12/19-21/2019 except MW 17, MW 18, MW 19 & MW20
Concentration in MW 17, MW 18 and MW 19 sampled on 10/3/18.
Concentration in MW 18 sampled on 11/15/18
Concentration in MW 20 sampled on 1/18/19
(0.18) Concentration above standard
0.1 0.1 ppb contour line (dashed were approximated)
a Sample extracted out of hold time
Note: Groundwater Class IIA standard is 0.1 ppb
Fresh water chronic criteria is 0.014 ppb
Fresh water human health criteria is 0.0038 ppb
N
0' 30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Chemical B(a)Pyrene up to 1/18/19
Date 2/19/19
Figure 10 Benzo(a)pryene in Groundwater 12/19-21/2016 & 10/3/18 & 11/15/18 & 1/18/19

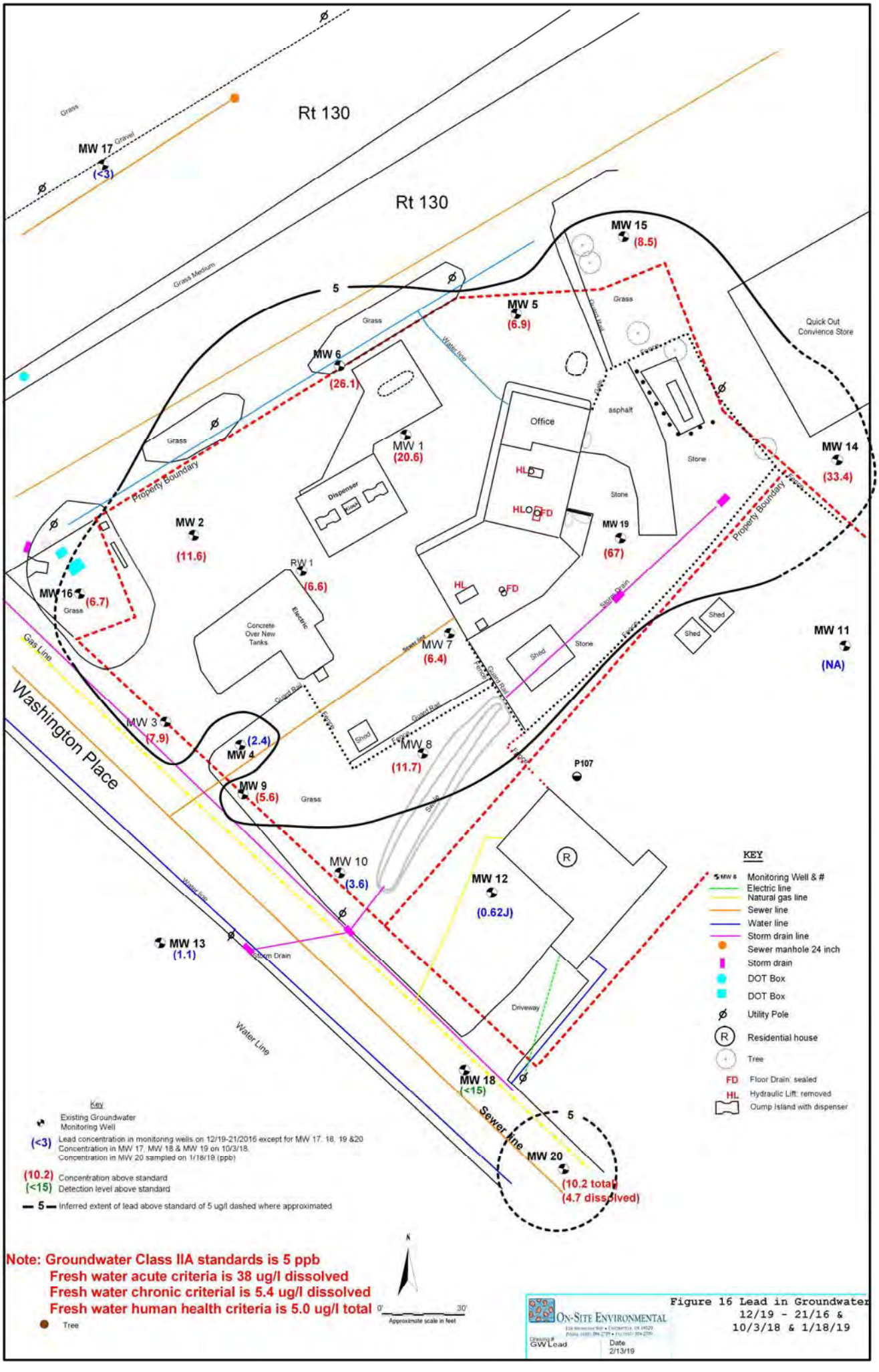

Rt 130
Rt 130
MW 17
(<0.022)
MW 15
(<0.010)
MW 5
(0.012 J)
MW 6
(<0.010)
MW 1
(0.41)
0.2
MW 2
(0.013J)
MW 16
(<0.010)
RW 1
(<0.010)
MW 19
(<0.022)
MW 14
(<0.010)
MW 7
(0.023 J)
MW 11
(na)
MW 3
(<0.010)
MW 4
(<0.010)
MW 8
(<0.010)
MW 9
(<0.010)
P107
MW 10
(<0.010)
MW 12
(<0.010)
MW 13
(<0.010)
MW 18
(<0.041 a 10/3/18)
(<0.041 11/15/18)
MW 20
(<0.022)
Office
Quick Out
Convience Store
Dispenser
Concrete
Over New
Tanks
Shed
Stone
asphalt
Grass
Gravel
Grass Medium
Property Boundary
Gas Line
Water line
Storm Drain
Sewer line
Swale
Driveway
Guard Rail
Fence
Washington Place
KEY
Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(<0.01) Benzo(b)fluoranthene concentration in monitoring wells on 12/19-21/2019 except MW 17, MW 18, MW 19 & MW20
Concentration in MW 17, MW 18 and MW 19 sampled on 10/3/18
Concentration in MW 18 sampled on 11/15/18
Concentration in MW 20 sampled on 1/18/19
(0.15) Concentration above standard
0.2 0.2 ppb contour line (dashed were approximated)
a Sample extracted out of hold time
Note: Groundwater Class IIA standard is 0.2 ppb
Fresh water chronic criteria is 9.07 ppb
Fresh water human health criteria is 0.038 ppb
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing #
B(a)A up to 1/18/19
Date
2/19/19
Figure 11 Benzo(b)fluoranthene in Groundwater
12/19-21/2016 & 10/3/18
& 11/15/18 & 1/18/19

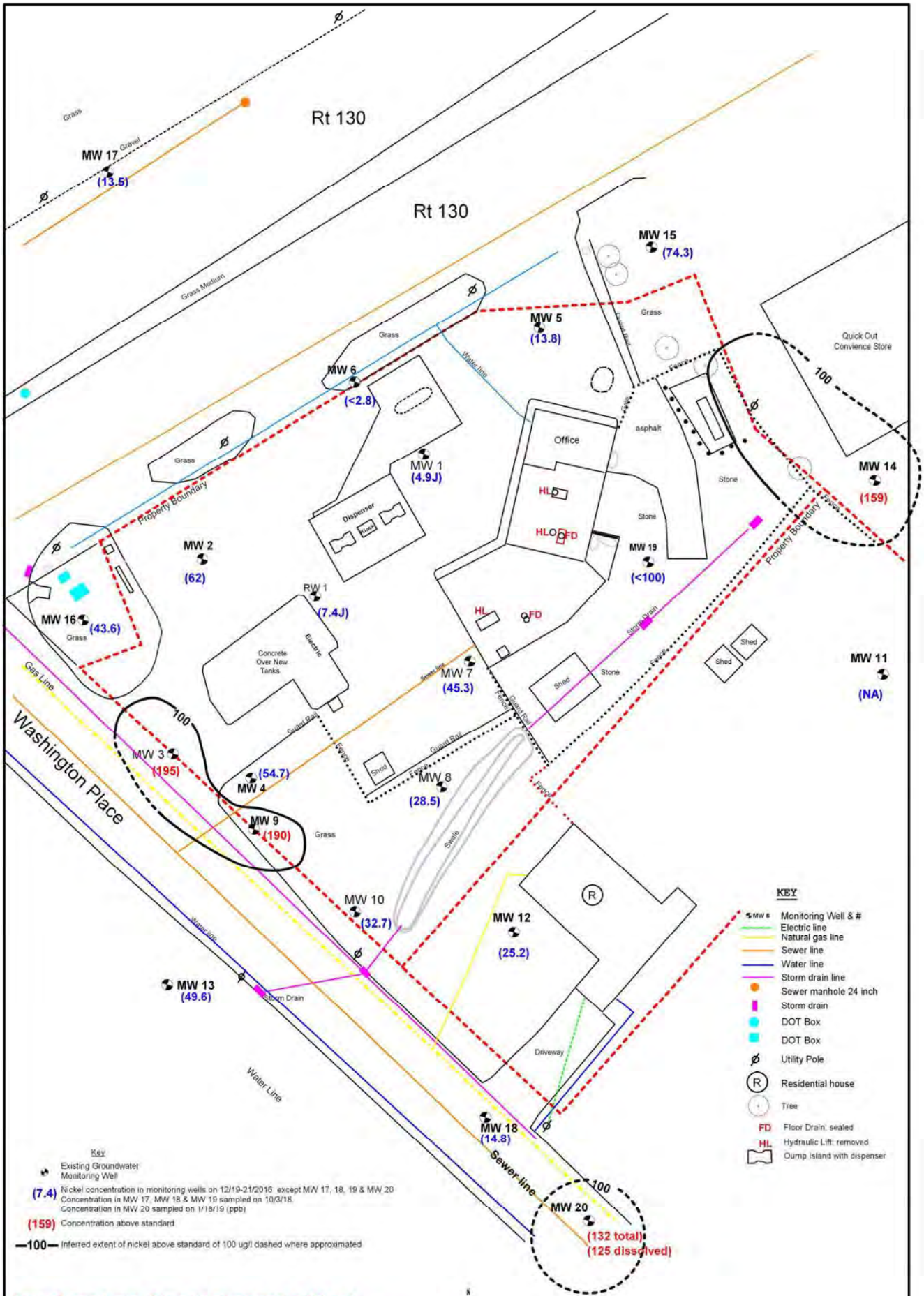

Rt 130
Rt 130
MW 17
(na)
MW 15
(<0.1)
MW 5
(100)
MW 6
(9)
MW 1
(21)
MW 2
(8)
MW 16
(<0.1)
RW 1
(1)
MW 7
(58)
MW 19
(7.5 J)
MW 14
(<0.1)
MW 11
(n.a.)
MW 3
(<0.1)
MW 4
(<0.1)
MW 8
(<0.1)
MW 9
(<0.1)
MW 10
(<0.1)
MW 12
(<0.1)
MW 13
(<0.1)
MW 18
(4 on 11/15/18)
(4.6 a J on 10/3/18)
MW 20
5
Grass
Grass Medium
Gravel
Grass
Water line
Office
asphalt
Stone
Quick Out
Convience Store
Property Boundary
Dispenser
Island
HL
FD
HLO
Concrete
Over New
Tanks
Electric
Gas Line
Washington Place
Guard Rail
Fence
Shed
Storm Drain
Swale
Driveway
Sewer line
KEY
Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
Floor Drain: sealed
Hydraulic Lift: removed
Pump Island with dispenser
Tree
Getty Station
Key
Existing Groundwater
Monitoring Well
(100) 1-methylnaphthalene concentration in monitoring wells on 12/19-21/2016 except MW 17, MW 18, MW 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 on 10/3/18(ppb)
Concentration in MW 18 on 11/15/18
5 5 ppb contour line (dashed were approximated)
a sample extracted out of hold time
Note: Groundwater interim standards is 5 ppb
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing #
1Mnap up to 101218
Date
2/19/19
Figure 12 1-Methylnaphthalene in Groundwater 12/19-21/2016 & 10/3/18 & 11/15/18
North Brunswick Gulf
1696 Georges Road Rt 130
North Brunswick,New Jersey

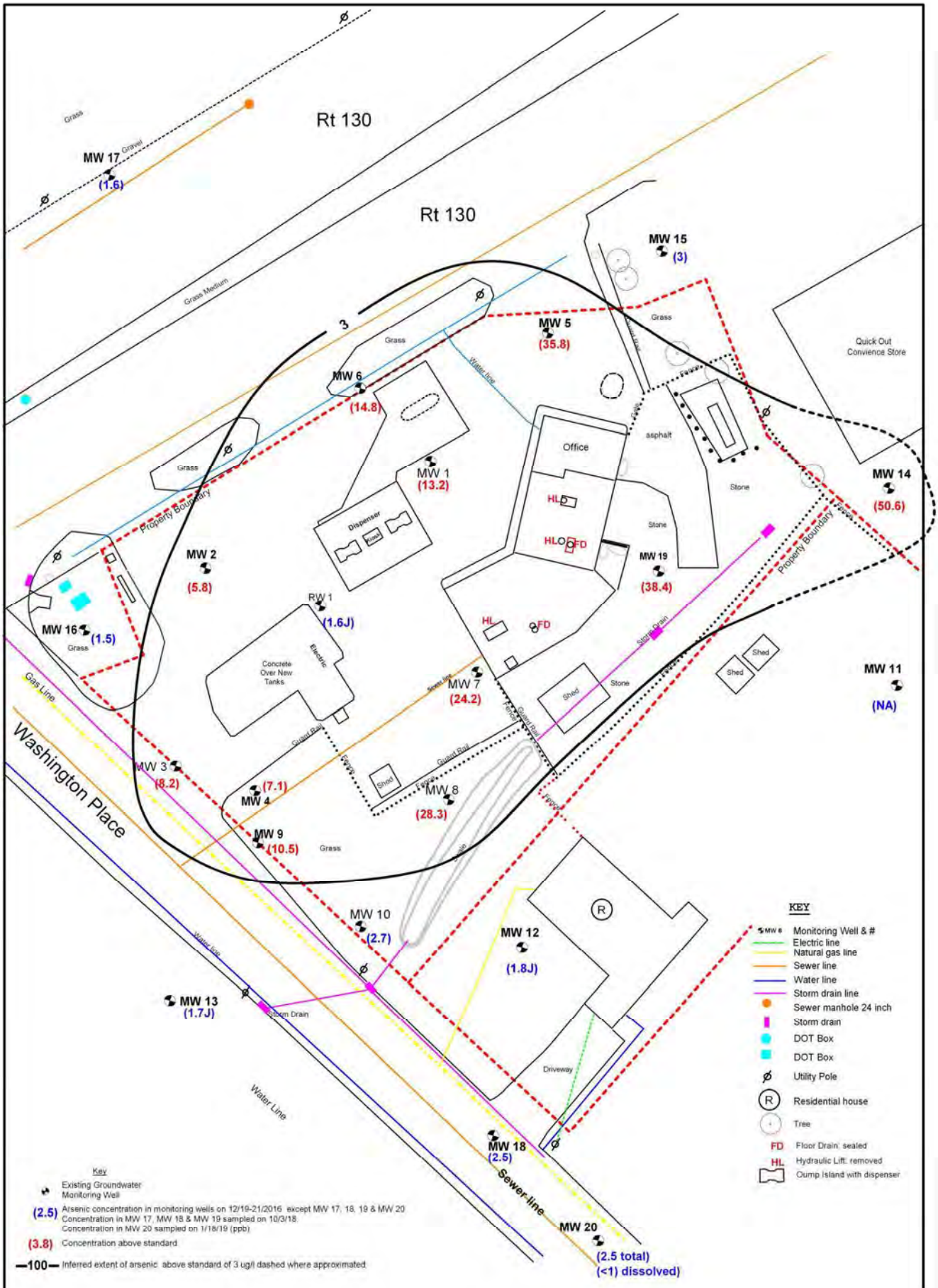

Rt 130
Rt 130
MW 17
(<0.85)
Gravel
Grass
Grass Medium
MW 15
(<0.1)
30
MW 5
(120)
Grass
Guard Rail
Quick Out
Convience Store
MW 6
(4)
Water line
Fence
Grass
Office
asphalt
MW 1
(18)
Stone
MW 14
(<0.1)
Property Boundary
Dispenser
Fuel
HL
FD
HL
FD
Stone
MW 2
(9)
MW 19
(133)
Property Boundary
Fence
RW 1
(1)
MW 16
(<0.1)
Grass
Concrete
Over New
Tanks
Electric
HL
FD
Storm Drain
Shed
Shed
MW 11
(n.a.)
Gas Line
Sewer line
MW 7
(97)
Stone
Shed
Fence
Guard Rail
Guard Rail
Washington Place
MW 3
(<0.1)
Guard Rail
Fence
Shed
Fence
MW 4
(<0.1)
MW 8
(<0.1)
Fence
MW 9
(<0.1)
Grass
Swale
Getty Station
Sewer line
MW 10
(<0.01)
R
MW 12
(<0.1)
Water line
MW 13
(<0.1)
Storm Drain
Driveway
(7.1 a on 10/3/18)
MW 18
(6.5 on 11/15/18)
MW 20
(<0.20)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Dump Island with dispenser
Key
Existing Groundwater Monitoring Well
(120) 2-methylnaphthalene concentration in monitoring wells on 12/19-21/2016 except MW 17, MW 18, MW 19 &20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18 (ppb)
Concentration in MW 18 on 11/15/18
Concentration in MW 20 sampled on 1/18/19
—30— 30 ppb contour line (dashed were approximated)
a: sample extracted out of hold time.
Note: Groundwater Class IIA standards is 30 ppb
Fresh water chronic criteria is 330 ppb.
0' 30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing # 2Mnap up to 1/18/19
Date 2/19/19
Figure 13 2-Methylnaphthalene in Groundwater 12/19-21/2016 & 10/3/18 & 11/15/18 & 1/18/19

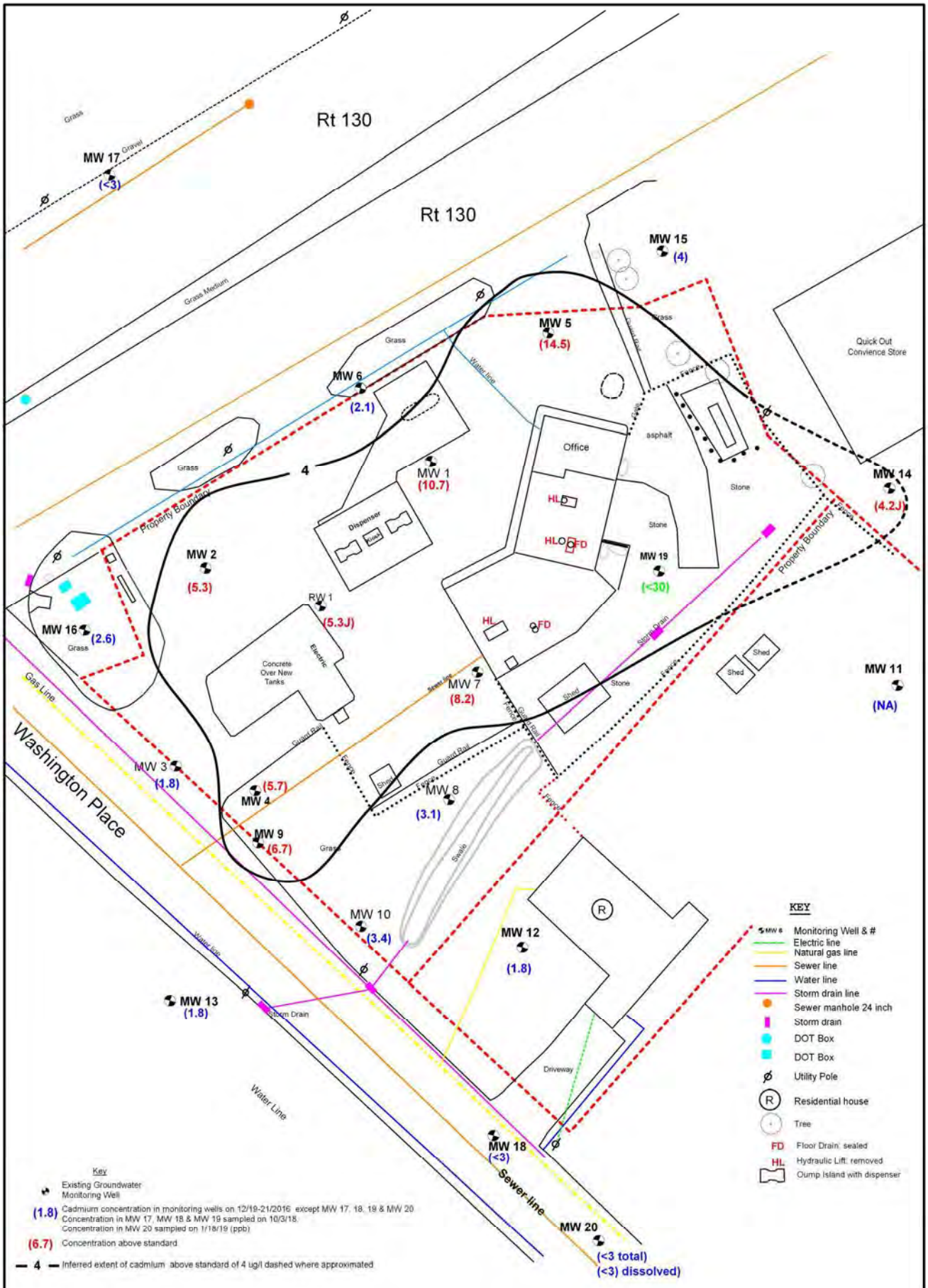

Rt 130
Rt 130
MW 17
(<0.98)
Gravel
Grass
Grass Medium
MW 15
(0.045 J)
MW 5
(39)
Grass
Guard Rail
Quick Out
Convience Store
MW 6
(11)
Water line
P6
(<1)
Fence
asphalt
Grass
Office
MW 1
(47)
Stone
MW 14
(0.033 J)
HL
Dispenser
Island
Stone
HLO
FD
300
MW 2
(11)
MW 19
(448)
Property Boundary
Property Boundary
RW 1
(0.082)
MW 16
(0.053 J)
Grass
HL
FD
Concrete
Over New
Tanks
Electric
Storm Drain
Shed
Shed
Shed
Stone
MW 11
(n.a.)
Fence
Gas Line
Street light
MW 7
(420)
Guard Rail
Fence
Guard Rail
Fence
Washington Place
MW 3
(<0.03)
MW 4
(0.039 J)
Shed
MW 8
(<0.03)
Fence
P107
MW 9
(0.849 J)
Grass
Swale
MW 10
(<0.03)
MW 12
(<0.03)
R
Water line
Getty Station
MW 13
(0.037 J)
Storm Drain
Driveway
Sewer line
(45.1 a on 10/3/18)
MW 18
(25.6 on 11/15/18)
MW 20
(0.25 J)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater
Monitoring Well
(420) Naphthalene concentration in monitoring wells except MW 17, MW 18, Mw 19 & MW 20 sampled on 12/19-21/2016.
Concentration in P 6 on 4/27/18.
Concentration in MW 17, MW 18 & MW 19 on 10/3/18 (ppb).
Concentration in MMW 18 on 10/3/18 (a' extracted out of hold time)
Concentration in MW 18 on 11/15/18.
Concentration in MW 20 on 1/18/19.
300 300 ppb contour line (dashed were approximated)
a Sample extracted out of hold time
Note: Groundwater Class IIA standards is 300 ppb
Groundwater screening level for vapor intrusion is 300pppb.
Fresh water chronic criteria is 13 ppb.
N
0'
30'
Approximate scale in feet
On-Site Environmental
Drawing #
Nap up to 1-18-19
Date
2/19/19
Figure 14 Naphthalene in Groundwater 12/19-21/2016 & 4/27/18 & 10/3/18 & 11/15/18 & 1/18/19

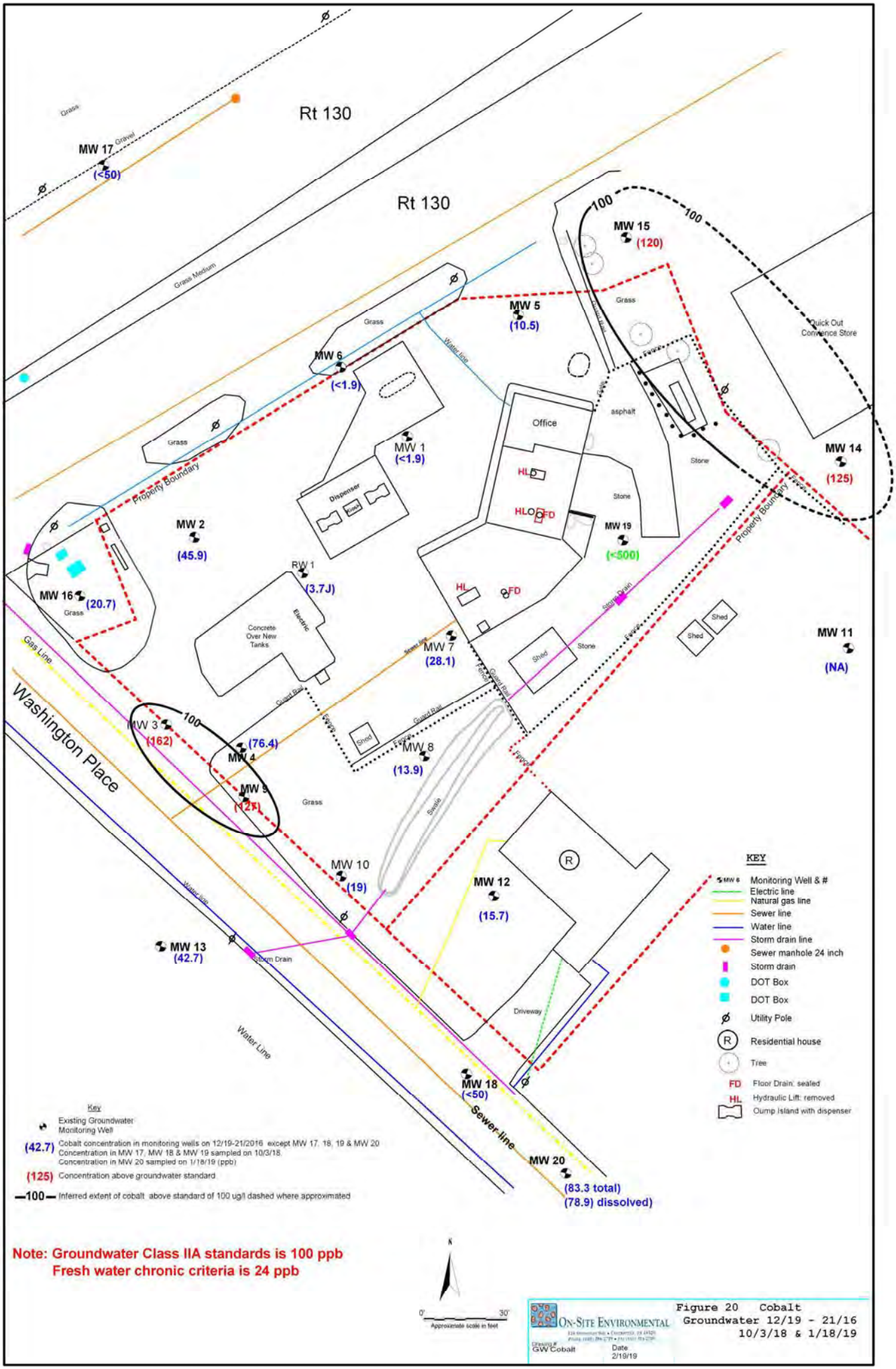

Rt 130
Rt 130
MW 17
(<1)
Grass
Gravel
Grass Medium
MW 15
(4.5)
MW 5
(0.59)
Grass
Guard Rail
Quick Out
Convience Store
MW 6
(<0.11)
Water line
Fence
Office
asphalt
Grass
Stone
MW 14
(6.4)
MW 1
(<0.11)
Dispenser
Fuel
HL
FD
HLO
Property Boundary
MW 2
(0.78)
MW 19
(<10)
RW 1
(<0.11)
MW 16
(0.61)
Grass
Concrete
Over New
Tanks
Electric
HL
FD
Storm Drain
Shed
Shed
Shed
Stone
MW 11
(NA)
MW 7
(0.16J)
Gas Line
Guard Rail
Fence
Washington Place
MW 3
(4)
(0.70)
MW 4
Shed
Fence
MW 8
(0.41J)
P107
MW 9
(5.8)
Grass
Swale
MW 10
(0.94)
MW 12
(0.30J)
R
Water line
MW 13
(1.1)
Storm Drain
Driveway
Water Line
MW 18
(<1)
Sewer line
MW 20
(3.1)
Concentration in MW 20 may be related to sewage
Sewage odor in MW 20 groundwater sample
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(0.94) Beryllium concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in in MW 17, MW 18 & MW 19 on 10/3/18
Concentration in MW 20 on 1/18/19 (ppb)
(1.1) Beryllium concentration above standard
(<10) Detection level above standard
1 Inferred extent of beryllium above standard of 1 ug/l dashed where approximated
Note: Groundwater Class IIA standards is 1 ppb
Fresh water chonic criteria is 3.6 ug/l
Fresh water human health criteria is 6.0 ug/l
Tree
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing #
Beryllium GW
Date
12/6/18
Figure 15 Beryllium
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19

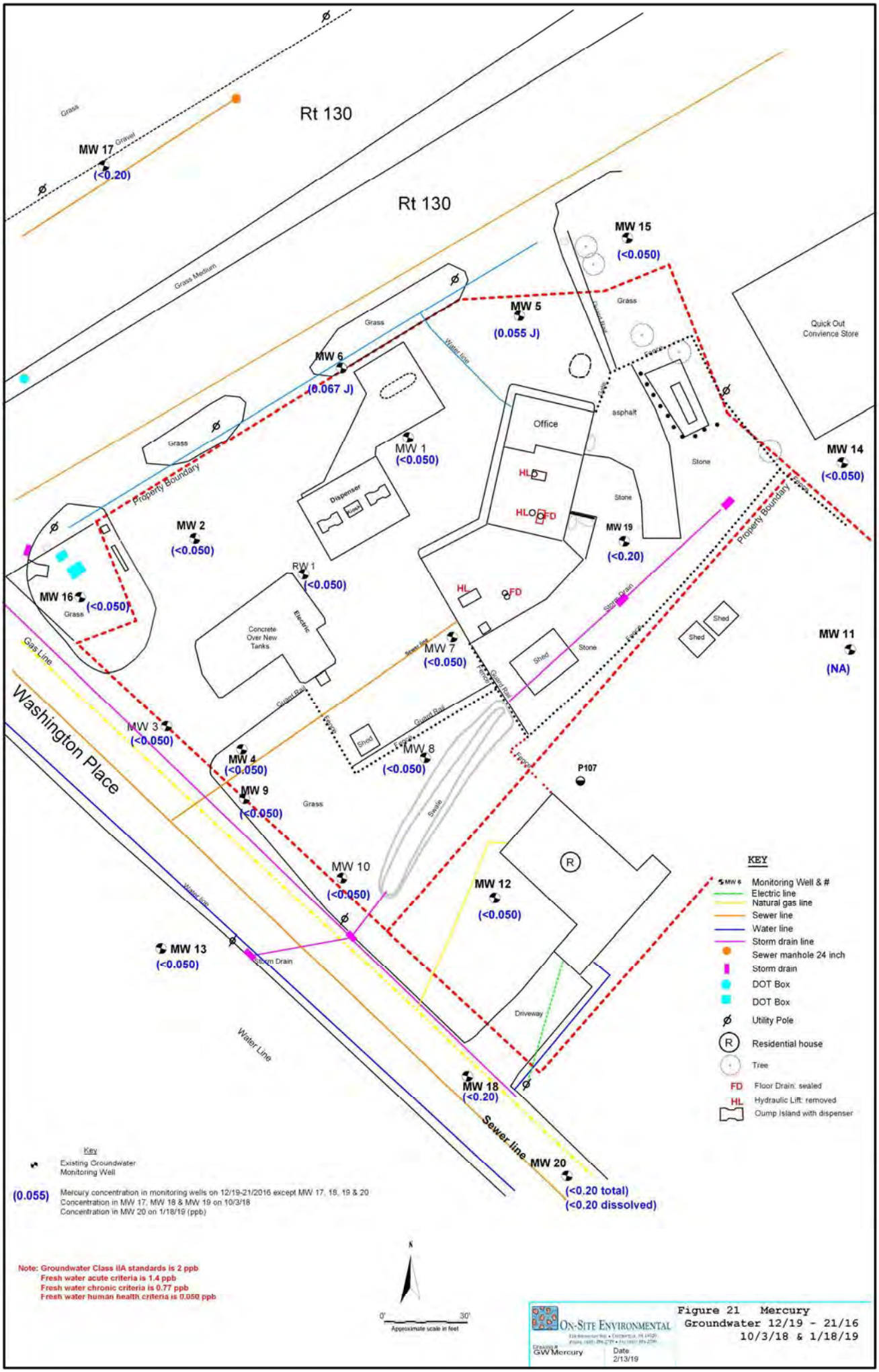

Rt 130
Rt 130
MW 17
(<3)
MW 15
(8.5)
MW 5
(6.9)
MW 6
(26.1)
MW 1
(20.6)
MW 2
(11.6)
MW 16
(6.7)
RW 1
(6.6)
MW 7
(6.4)
MW 19
(67)
MW 14
(33.4)
MW 11
(NA)
MW 3
(7.9)
MW 4
(2.4)
MW 8
(11.7)
MW 9
(5.6)
MW 10
(3.6)
MW 12
(0.62J)
MW 13
(1.1)
MW 18
(<15)
MW 20
(10.2 total)
(4.7 dissolved)
P107
Quick Out
Convience Store
Office
Dispenser
Concrete
Over New
Tanks
Shed
Shed
Shed
Driveway
Property Boundary
Property Boundary
Washington Place
Gas Line
Water Line
Sewer Line
Storm Drain
Storm Drain
Water line
Grass
Grass Medium
Gravel
asphalt
Stone
Fence
Guard Rail
Electric
Sewer line
Key
Existing Groundwater Monitoring Well
(<3) Lead concentration in monitoring wells on 12/19-21/2016 except for MW 17, 18, 19 &20 Concentration in MW 17, MW 18 & MW 19 on 10/3/18. Concentration in MW 20 sampled on 1/18/19 (ppb)
(10.2) Concentration above standard
(<15) Detection level above standard
5 Inferred extent of lead above standard of 5 ug/l dashed where approximated
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Note: Groundwater Class IIA standards is 5 ppb
Fresh water acute criteria is 38 ug/l dissolved
Fresh water chronic criterial is 5.4 ug/l dissolved
Fresh water human health criteria is 5.0 ug/l total
Tree
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
GW Lead
Date
2/13/19
Figure 16 Lead in Groundwater
12/19 - 21/16 &
10/3/18 & 1/18/19

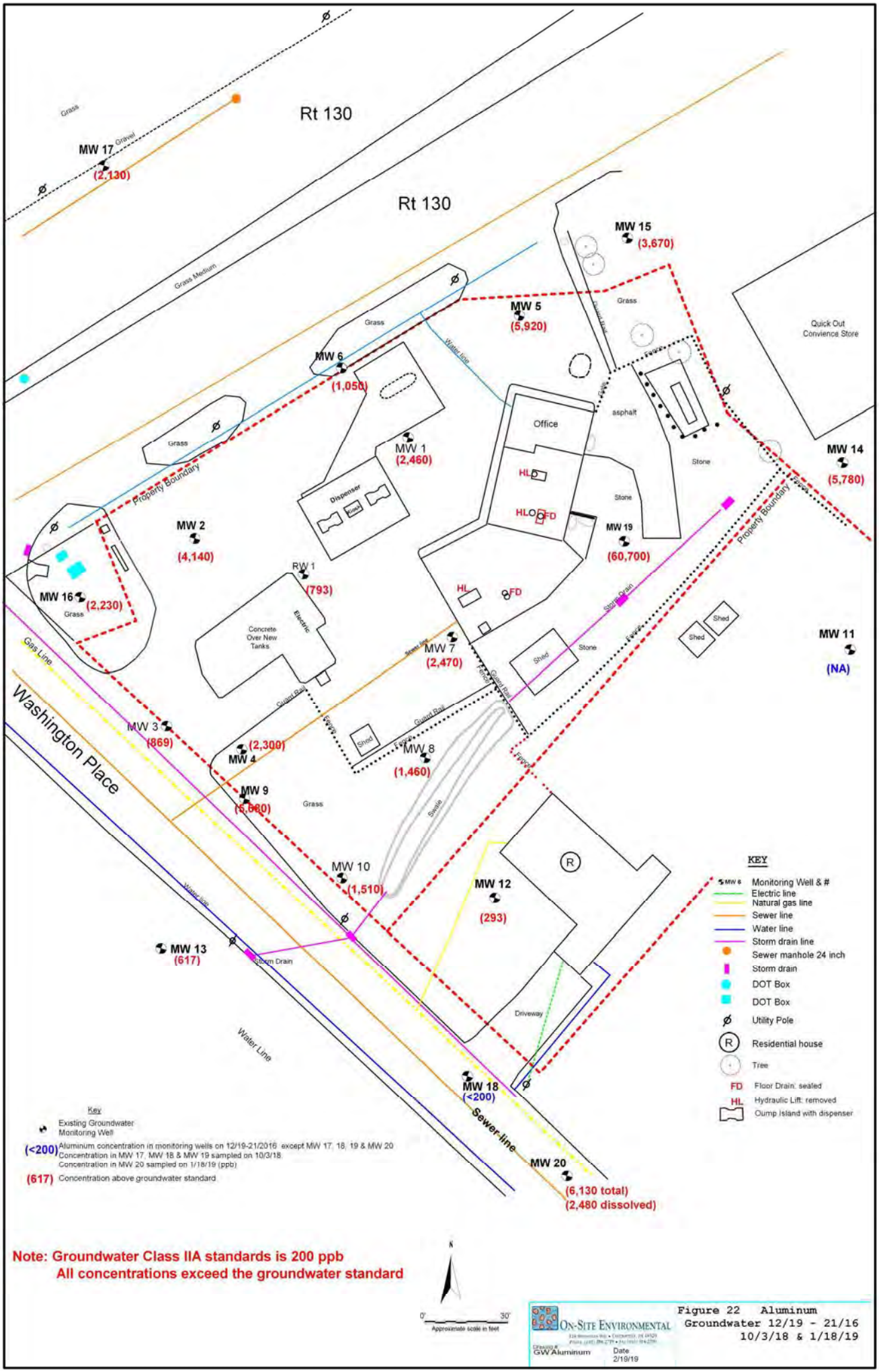

Rt 130
Rt 130
MW 17
(13.5)
Grass
Gravel
Grass Medium
MW 15
(74.3)
MW 5
(13.8)
Grass
Quick Out
Convience Store
MW 6
(<2.8)
Water line
Fence
asphalt
100
Grass
Office
MW 1
(4.9J)
HL
Stone
MW 14
(159)
Property Boundary
Dispenser
Fuel
HLO
FD
Stone
MW 2
(62)
MW 19
(<100)
Property Boundary
Fence
RW 1
(7.4J)
HL
FD
MW 16
(43.6)
Grass
Concrete
Over New
Tanks
Electric
Storm Drain
Shed
Shed
MW 11
(NA)
Gas Line
Sewer line
MW 7
(45.3)
Gravel Bar
Fence
Shed
Stone
Fence
100
Washington Place
MW 3
(195)
Gravel Bar
Fence
Shed
Gravel Bar
Fence
(54.7)
MW 4
MW 8
(28.5)
Fence
MW 9
(190)
Grass
Swale
MW 10
(32.7)
MW 12
(25.2)
R
Water line
MW 13
(49.6)
Storm Drain
Driveway
Water Line
MW 18
(14.8)
Sewer line
100
MW 20
(132 total)
(125 dissolved)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(7.4) Nickel concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18.
Concentration in MW 20 sampled on 1/18/19 (ppb)
(159) Concentration above standard
—100— Inferred extent of nickel above standard of 100 ug/l dashed where approximated
Note: Groundwater Class IIA standards is 100 ppb
Fresh water acute & chronic criteria depends on hardness
Fresh water human health criteria is 500 ug/l
Tree
0' 30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
GW Nickel
Date
2/13/19
Figure 17 Nickel
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19

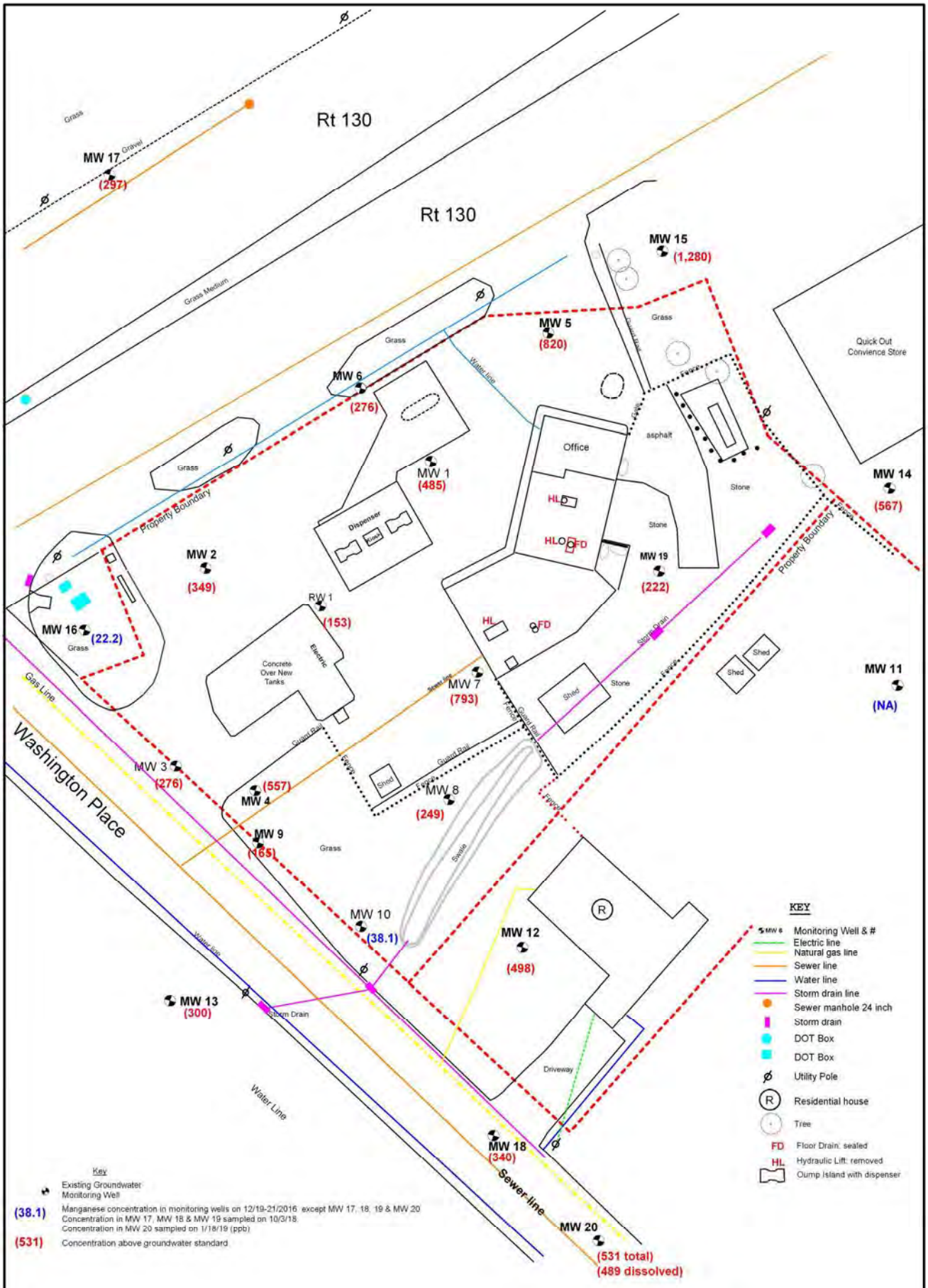

Rt 130
Rt 130
MW 17
(1.6)
Grass
Gravel
Grass Medium
MW 15
(3)
MW 5
(35.8)
Grass
Quick Out
Convience Store
MW 6
(14.8)
Water line
Office
asphalt
Grass
Stone
MW 14
(50.6)
MW 1
(13.2)
Dispenser
Island
HL
FD
Property Boundary
MW 2
(5.8)
MW 19
(38.4)
RW 1
(1.6J)
MW 16
(1.5)
Grass
Concrete
Over New
Tanks
Electric
Sewer line
MW 7
(24.2)
Storm Drain
Shed
MW 11
(NA)
Gas Line
Guard Rail
Fence
Washington Place
MW 3
(8.2)
MW 4
(7.1)
MW 8
(28.3)
MW 9
(10.5)
Grass
MW 10
(2.7)
MW 12
(1.8J)
Driveway
MW 13
(1.7J)
Storm Drain
Water Line
MW 18
(2.5)
Sewer line
MW 20
(2.5 total)
(<1) dissolved
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(2.5) Arsenic concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18
Concentration in MW 20 sampled on 1/18/19 (ppb)
(3.8) Concentration above standard
—100— Inferred extent of arsenic above standard of 3 ug/l dashed where approximated
Note: Groundwater Class IIA standards is 3 ppb
Fresh water acute criteria is 340 ppb
Fresh water chronic criteria is 150 ppb
Fresh water human health criteria is 0.017 ppbl
0' 30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing # GW Arsenic
Date 2/13/19
Figure 18 Arsenic
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19

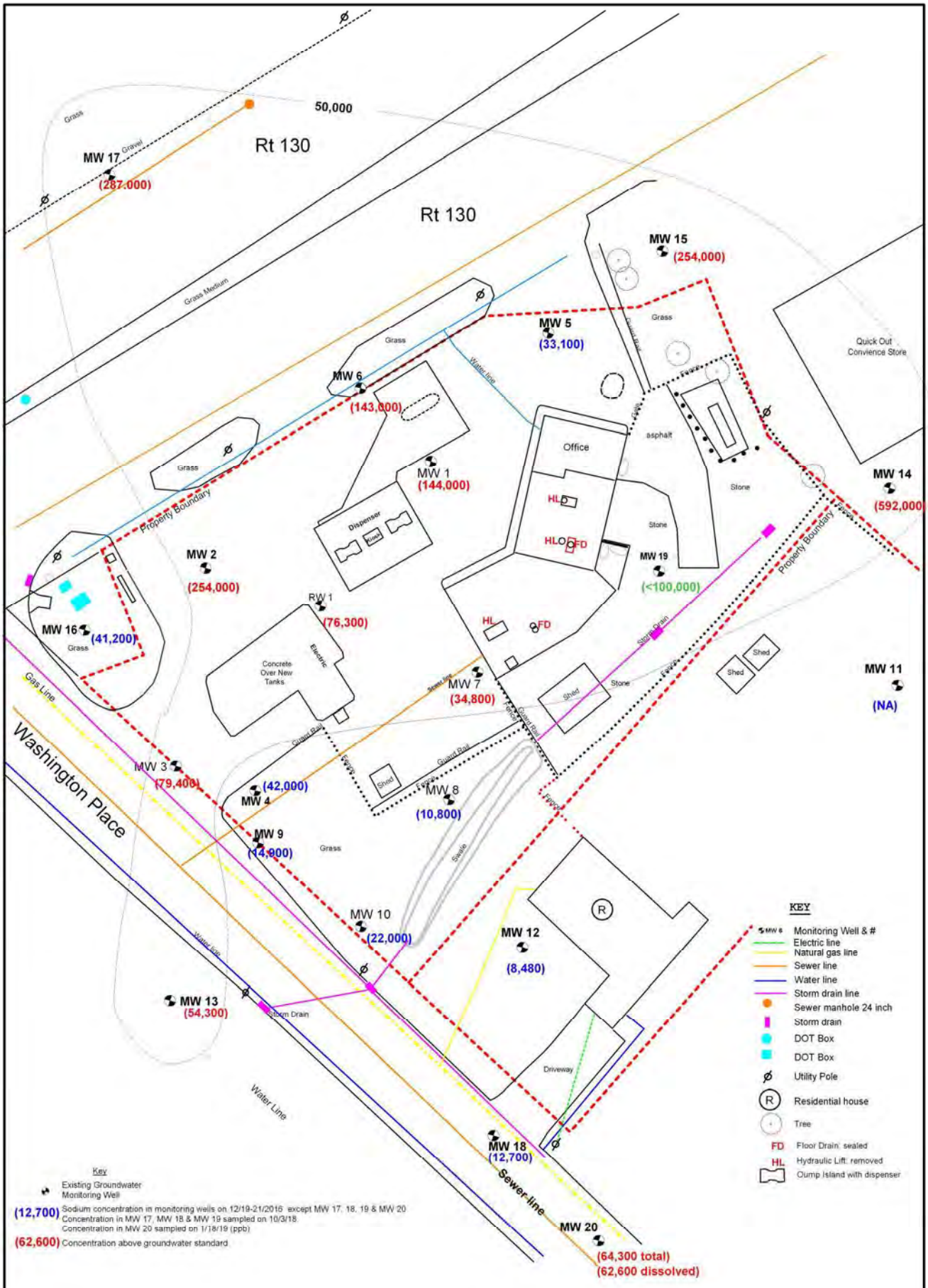

Rt 130
Rt 130
MW 17
(<3)
Gravel
Grass
Grass Medium
MW 15
(4)
MW 5
(14.5)
Grass
Water line
Quick Out
Convience Store
MW 6
(2.1)
Grass
Office
asphalt
Fence
Stone
MW 14
(4.2J)
MW 1
(10.7)
4
Property Boundary
Dispenser
Fuel
HL
FD
HLO
Stone
MW 2
(5.3)
MW 19
(<30)
Property Boundary
Fence
RW 1
(5.3J)
MW 16
(2.6)
Grass
HL
FD
Storm Drain
Concrete
Over New
Tanks
Electric
Shed
Shed
Shed
MW 11
(NA)
Gas Line
MW 7
(8.2)
Stone
Fence
Guard Rail
Fence
Guard Rail
Washington Place
MW 3
(1.8)
Guard Rail
Fence
Shed
Fence
MW 8
(3.1)
(5.7)
MW 4
MW 9
(6.7)
Grass
Fence
Shells
MW 10
(3.4)
MW 12
(1.8)
R
Water line
MW 13
(1.8)
Storm Drain
Driveway
Water Line
MW 18
(<3)
Sewer-line
MW 20
(<3 total)
(<3) dissolved)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(1.8) Cadmium concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18.
Concentration in MW 20 sampled on 1/18/19 (ppb)
(6.7) Concentration above standard
— 4 — Inferred extent of cadmium above standard of 4 ug/l dashed where approximated
Note: Groundwater Class IIA standards is 4 ppb
Fresh water acute criteria is ? ppb
Fresh water chronic criteria is ? ppb
Fresh water human health criteria is 3.4 ppb
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
GW Cadmium
Date
2/13/19
Figure 19 Cadmium
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19

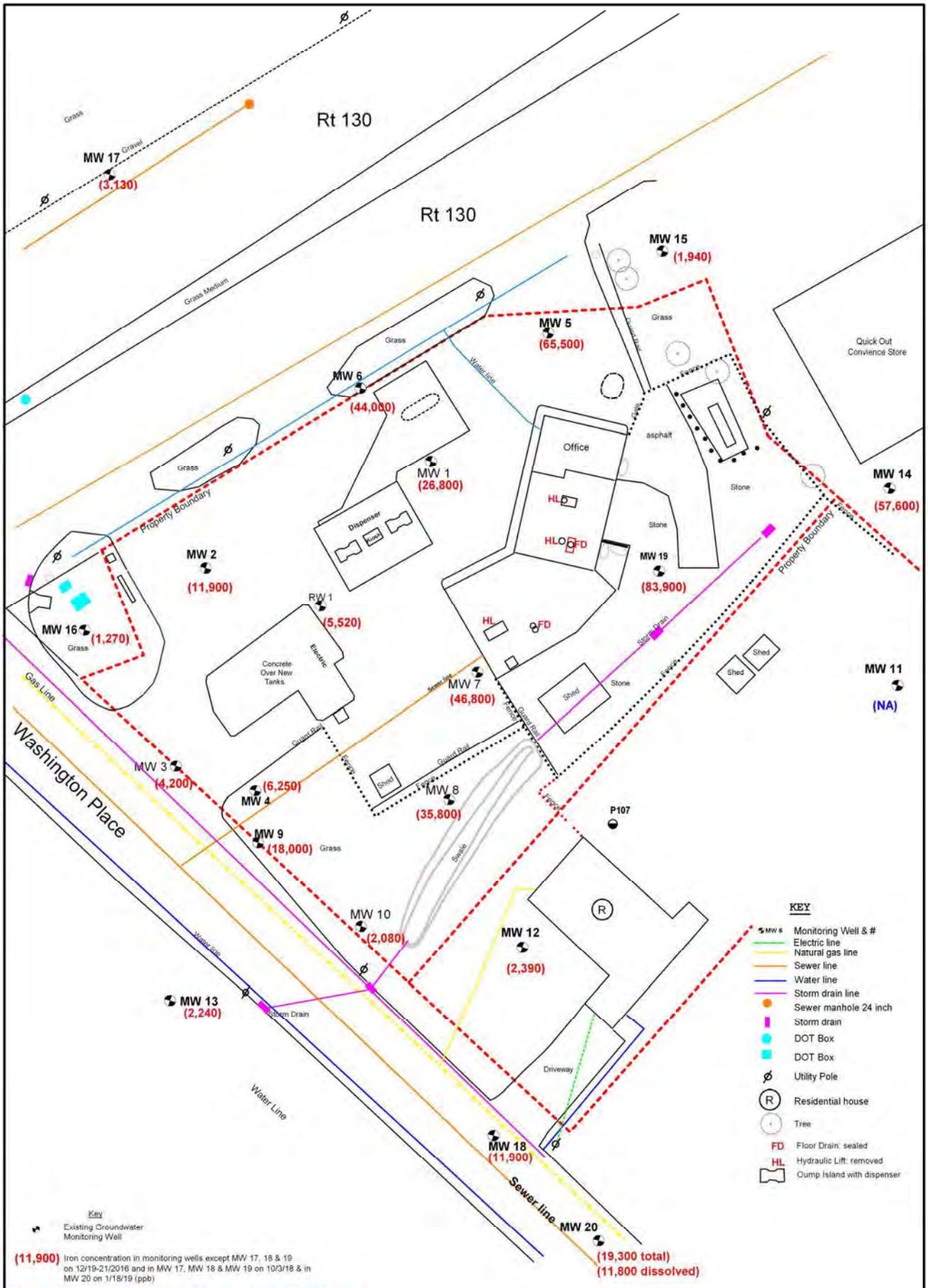

Rt 130
Rt 130
MW 17
(<50)
Gravel
Grass
Grass Medium
MW 15
(120)
100
MW 5
(10.5)
Grass
Quick Out
Convenience Store
MW 6
(<1.9)
Water line
Fence
Office
asphalt
MW 1
(<1.9)
Grass
Property Boundary
Dispenser
Island
HL
FD
Stone
MW 14
(125)
MW 2
(45.9)
MW 19
(<500)
RW 1
(3.7J)
MW 16
(20.7)
Grass
Concrete
Over New
Tanks
Electric
HL
FD
Storm Drain
Shed
Shed
Shed
MW 11
(NA)
Gas Line
Sewer line
MW 7
(28.1)
Guard Rail
Fence
Stone
Washington Place
100
MW 3
(162)
(76.4)
MW 4
MW 8
(13.9)
MW 9
(121)
Grass
Swale
MW 10
(19)
MW 12
(15.7)
R
Water line
MW 13
(42.7)
Storm Drain
Driveway
Water Line
MW 18
(<50)
Sewer line
MW 20
(83.3 total)
(78.9) dissolved)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(42.7) Cobalt concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18
Concentration in MW 20 sampled on 1/18/19 (ppb)
(125) Concentration above groundwater standard
—100— Inferred extent of cobalt above standard of 100 ug/l dashed where approximated
Note: Groundwater Class IIA standards is 100 ppb
Fresh water chronic criteria is 24 ppb
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
GW Cobalt
Date
2/19/19
Figure 20 Cobalt
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19


Rt 130
Rt 130
MW 17
(<0.20)
MW 15
(<0.050)
MW 5
(0.055 J)
MW 6
(0.067 J)
MW 1
(<0.050)
MW 2
(<0.050)
MW 16
(<0.050)
RW 1
(<0.050)
MW 7
(<0.050)
MW 3
(<0.050)
MW 4
(<0.050)
MW 8
(<0.050)
MW 9
(<0.050)
MW 10
(<0.050)
MW 12
(<0.050)
MW 13
(<0.050)
MW 18
(<0.20)
MW 19
(<0.20)
MW 14
(<0.050)
MW 11
(NA)
MW 20
(<0.20 total)
(<0.20 dissolved)
P107
Quick Out Convience Store
Office
Dispenser
Concrete Over New Tanks
Shed
Shed
Shed
Driveway
Grass
Grass
Grass
Grass
Grass Medium
Gravel
asphalt
Stone
Stone
Stone
Property Boundary
Property Boundary
Gas Line
Washington Place
Water Line
Water Line
Water Line
Storm Drain
Storm Drain
Sewer line
Swale
Fence
Guard Rail
Guard Rail
Guard Rail
Fence
Fence
Fence
HL
FD
HLO
FD
HL
FD
Electric
Sewer line
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(0.055) Mercury concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & 20
Concentration in MW 17, MW 18 & MW 19 on 10/3/18
Concentration in MW 20 on 1/18/19 (ppb)
Note: Groundwater Class IIA standards is 2 ppb
Fresh water acute criteria is 1.4 ppb
Fresh water chronic criteria is 0.77 ppb
Fresh water human health criteria is 0.050 ppb
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing # GW Mercury
Date: 2/13/19
Figure 21 Mercury
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19


Rt 130
Rt 130
MW 17
(2,130)
Grass
Gravel
Grass Medium
MW 15
(3,670)
MW 5
(5,920)
Grass
Quick Out
Convience Store
MW 6
(1,050)
Water line
Fence
Office
asphalt
MW 1
(2,460)
Dispenser
Island
HL
FD
Stone
MW 14
(5,780)
Property Boundary
MW 2
(4,140)
MW 19
(60,700)
RW 1
(793)
MW 16
(2,230)
Concrete
Over New
Tanks
Electric
Storm Drain
Shed
MW 11
(NA)
Gas Line
MW 7
(2,470)
Guard Rail
Washington Place
MW 3
(869)
MW 4
(2,300)
MW 8
(1,460)
MW 9
(5,980)
Swale
MW 10
(1,510)
MW 12
(293)
R
Driveway
MW 13
(617)
Storm Drain
Water Line
MW 18
(<200)
Sewer line
MW 20
(6,130 total)
(2,480 dissolved)
KEY
Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(<200) Aluminum concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18
Concentration in MW 20 sampled on 1/18/19 (ppb)
(617) Concentration above groundwater standard
Note: Groundwater Class IIA standards is 200 ppb
All concentrations exceed the groundwater standard
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
GW Aluminum
Date
2/19/19
Figure 22 Aluminum
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19


Rt 130
Rt 130
MW 17
(297)
Grass
Gravel
Grass Medium
MW 15
(1,280)
MW 5
(820)
Grass
Quick Out
Convience Store
MW 6
(276)
Water Line
Fence
Grass
Office
asphalt
MW 1
(485)
Dispenser
Island
HL
FD
Stone
MW 14
(567)
Property Boundary
MW 2
(349)
MW 19
(222)
RW 1
(153)
MW 16
(22.2)
Grass
Concrete
Over New
Tanks
Electric
Sewer line
MW 7
(793)
Storm Drain
Shed
Shed
Shed
MW 11
(NA)
Gas Line
Washington Place
Guard Rail
Fence
MW 3
(276)
MW 4
(557)
MW 8
(249)
Swale
MW 9
(165)
Grass
MW 10
(38.1)
MW 12
(498)
R
Water line
MW 13
(300)
Storm Drain
Driveway
Water Line
MW 18
(340)
Sewer line
MW 20
(531 total)
(489 dissolved)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(38.1) Manganese concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18
Concentration in MW 20 sampled on 1/18/19 (ppb)
(531) Concentration above groundwater standard
Note: Groundwater Class IIA standards is 50 ppb
All concentrations exceed standard except
samples from MW 10 & MW 16
N
0'
30'
Approximate scale in feet
On-Site Environmental
GW Manganese
Date
2/19/19
Figure 23 Manganese
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19


Rt 130
Rt 130
50,000
MW 17
(287,000)
MW 15
(254,000)
MW 5
(33,100)
MW 6
(143,000)
MW 1
(144,000)
MW 14
(592,000)
MW 2
(254,000)
MW 19
(<100,000)
RW 1
(76,300)
MW 16
(41,200)
MW 7
(34,800)
MW 11
(NA)
MW 3
(79,400)
MW 4
(42,000)
MW 8
(10,800)
MW 9
(14,900)
MW 10
(22,000)
MW 12
(8,480)
MW 13
(54,300)
MW 18
(12,700)
MW 20
(64,300 total)
(62,600 dissolved)
Office
Quick Out Convience Store
Concrete Over New Tanks
Dispenser
Property Boundary
Washington Place
Gas Line
Water Line
Storm Drain
Sewer line
Driveway
Grass
asphalt
Stone
Shed
Fence
Guard Rail
Swale
HL
FD
KEY
Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
Residential house
Tree
Floor Drain: sealed
Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater Monitoring Well
(12,700) Sodium concentration in monitoring wells on 12/19-21/2016 except MW 17, 18, 19 & MW 20
Concentration in MW 17, MW 18 & MW 19 sampled on 10/3/18
Concentration in MW 20 sampled on 1/18/19 (ppb)
(62,600) Concentration above groundwater standard
Note: Groundwater Class IIA standards is 50,000 ppb
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
GW Sodium
Date 2/19/19
Figure 24 Sodium
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19


Rt 130
Rt 130
MW 17
(3,130)
Grass
Gravel
Grass Medium
MW 15
(1,940)
MW 5
(65,500)
Grass
Quick Out
Convience Store
MW 6
(44,000)
Water Line
Fence
asphalt
Office
Grass
MW 1
(26,800)
Stone
MW 14
(57,600)
HL
HLO
FD
Stone
Property Boundary
Dispenser
Fence
MW 2
(11,900)
MW 19
(83,900)
RW 1
(5,520)
MW 16
(1,270)
Grass
HL
FD
Concrete
Over New
Tanks
Electric
Storm Drain
Shed
Shed
Shed
MW 11
(NA)
Sewer line
MW 7
(46,800)
Stone
Fence
Gas Line
Washington Place
Guard Rail
Guard Rail
Fence
Guard Rail
MW 3
(4,200)
Fence
Shed
MW 4
(6,250)
MW 8
(35,800)
P107
MW 9
(18,000)
Grass
Swale
MW 10
(2,080)
MW 12
(2,390)
R
Water Line
MW 13
(2,240)
Storm Drain
Driveway
Water Line
MW 18
(11,900)
Sewer line
MW 20
(19,300 total)
(11,800 dissolved)
KEY
MW 6 Monitoring Well & #
Electric line
Natural gas line
Sewer line
Water line
Storm drain line
Sewer manhole 24 inch
Storm drain
DOT Box
DOT Box
Utility Pole
R Residential house
Tree
FD Floor Drain: sealed
HL Hydraulic Lift: removed
Pump Island with dispenser
Key
Existing Groundwater
Monitoring Well
(11,900) Iron concentration in monitoring wells except MW 17, 18 & 19 on 12/19-21/2016 and in MW 17, MW 18 & MW 19 on 10/3/18 & in MW 20 on 1/18/19 (ppb)
Note: Groundwater Class IIA standards is 300 ppb
All concentrations exceed the groundwater standard
N
0'
30'
Approximate scale in feet
ON-SITE ENVIRONMENTAL
Drawing # GW Iron
Date 2/13/19
Figure 25 Iron
Groundwater 12/19 - 21/16
10/3/18 & 1/18/19

ATTACHMENTS

ATTACHMENT 1:

Table of Environmentally Sensitive Areas in Vicinity of the Site

Attachment 1
Environmentally Sensitive Areas in Vicinity of the Site*
North Brunswick Gulf Service Station Site
North Brunswick, New Jersey

Environmentally Sensitive Area (as per N.J.A.C. 7:1E-1.8)	Presence in Vicinity of the Site
Surface Waters	Yes
Sources of water supply	No
Bay islands and barrier island corridors	No
Beaches	No
Dunes	No
Wetlands and wetland transition areas	No
Breeding areas for forest area nesting species, colonial water birds or aquatic furbearers	No
Migratory stopover areas for migrant shorebirds, raptors or passerines	No
Wintering areas (including coastal tidal marshes and water areas), waterfowl concentration areas and Atlantic White Cedar stands	No
Prime fishing areas	No
Finfish migratory pathways	No
Special submerged vegetation areas	No
Shellfish harvesting waters	No
Forest areas (prime and unique forest land)	No
Federal and State-listed threatened or endangered species	Yes
Federal and State wilderness areas	No
Federal and State Wild and Scenic River	No

***Note that there are no Environmentally Sensitive Areas on the Site or immediately adjacent to the Site.**

ATTACHMENT 2:

Natural Heritage Program Letter and Database Search Results

State of New Jersey
MAIL CODE 501-04
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF PARKS & FORESTRY
NEW JERSEY FOREST SERVICE
OFFICE OF NATURAL LANDS MANAGEMENT
P.O. BOX 420
TRENTON, NJ 08625-0420
Tel. (609) 984-1339 Fax (609) 984-0427

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

CATHERINE R. McCABE
Commissioner

February 22, 2019

Erik O'Connor
41 Spring Street, Suite 102
New Providence, NJ 07974

Re: North Brunswick Gulf Station
Block(s) - 282, Lot(s) - 1
North Brunswick Township, Middlesex County

Dear Mr. O'Connor:

Thank you for your data request regarding rare species information for the above referenced project site.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.3) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Natural Heritage Data Request Form into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

We have also checked the Landscape Project habitat mapping and Biotics Database for occurrences of rare wildlife species or wildlife habitat in the immediate vicinity (within ¼ mile) of the referenced site. Additionally, the Natural Heritage Database was checked for occurrences of rare plant species or ecological communities within ¼ mile of the site. Please refer to Table 2 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented within the immediate vicinity of the site. Detailed reports are provided for all categories coded as 'Yes' in Table 2. These reports may include species that have also been documented on the project site.

The Natural Heritage Program reviews its data periodically to identify priority sites for natural diversity in the State. Included as priority sites are some of the State's best habitats for rare and endangered species and ecological communities. Please refer to Tables 1 and 2 (attached) to determine if any priority sites are located on or in the immediate vicinity of the site.

A list of rare plant species and ecological communities that have been documented from the county (or counties), referenced above, can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.html. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2010.pdf.

Beginning May 9, 2017, the Natural Heritage Program reports for wildlife species will utilize data from Landscape Project Version 3.3. If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive web application at the following URL,

https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=0e6a44098c524ed99bf739953cb4d4c7, or contact the Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292-9400.

For additional information regarding any Federally listed plant or animal species, please contact the U.S. Fish & Wildlife Service, New Jersey Field Office at http://www.fws.gov/northeast/njfieldoffice/endangered/consultation.html.

PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,



Robert J. Cartica
Administrator

c: NHP File No. 19-4007444-16119

Table 1: On Site Data Request Search Results (6 Possible Reports)

Report Name	Included	Number of Pages
1. Possibly on Project Site Based on Search of Natural Heritage Database: Rare Plant Species and Ecological Communities Currently Recorded in the New Jersey Natural Heritage Database	No	0 pages included
2. Natural Heritage Priority Sites On Site	No	0 pages included
3. Rare Wildlife Species or Wildlife Habitat on the Project Site Based on Search of Landscape Project 3.3 Species Based Patches	No	0 pages included
4. Vernal Pool Habitat on the Project Site Based on Search of Landscape Project 3.3	No	0 pages included
5. Rare Wildlife Species or Wildlife Habitat on the Project Site Based on Search of Landscape Project 3.3 Stream Habitat File	No	0 pages included
6. Other Animal Species On the Project Site Based on Additional Species Tracked by Endangered and Nongame Species Program	No	0 pages included

Table 2: Vicinity Data Request Search Results (6 possible reports)

Report Name	Included	Number of Pages
1. Immediate Vicinity of the Project Site Based on Search of Natural Heritage Database: Rare Plant Species and Ecological Communities Currently Recorded in the New Jersey Natural Heritage Database	No	0 pages included
2. Natural Heritage Priority Sites within the Immediate Vicinity	No	0 pages included
3. Rare Wildlife Species or Wildlife Habitat Within the Immediate Vicinity of the Project Site Based on Search of Landscape Project 3.3 Species Based Patches	Yes	1 page(s) included
4. Vernal Pool Habitat In the Immediate Vicinity of Project Site Based on Search of Landscape Project 3.3	No	0 pages included
5. Rare Wildlife Species or Wildlife Habitat In the Immediate Vicinity of the Project Site Based on Search of Landscape Project 3.3 Stream Habitat File	No	0 pages included
6. Other Animal Species In the Immediate Vicinity of the Project Site Based on Additional Species Tracked by Endangered and Nongame Species Program	No	0 pages included

Rare Wildlife Species or Wildlife Habitat Within the Immediate Vicinity of the Project Site Based on Search of Landscape Project 3.3 Species Based Patches

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
Aves								
	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B,S2N
	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N