606091

From: Hauber, Erin M CIV USARMY CENWK (USA)
To: Granger, Michelle
Subject: FW: Pohatcong OU3 PDI Field Activities Status Call Summary - June 5, 2018
Date: Thursday, December 27, 2018 10:17:08 AM
Attachments: Pohatcong OU3 Figure 1-4.pdf
Pohatcong Plate 1.pdf
PPP-SBD-204 and 205 Boring Logs.pdf
PPP-SBD-204 and 205 Data Tables.pdf
PPP-SBD-204 and 205 Summary Tables.pdf
OU3 PDI Soil Analytical Results.pdf
OU3 PDI Soil Boring Locations.pdf

-----Original Message-----
From: Watts, Joshua A CIV USARMY CENWK (US)
Sent: Friday, June 15, 2018 10:50 AM
To: Granger, Michelle <Granger.Michelle@epa.gov>
Cc: Brink, Bradley J CIV USARMY CENWK (US) <Bradley.J.Brink@usace.army.mil>; Hauber, Erin M CIV USARMY CENWK (US) <Erin.M.Hauber@usace.army.mil>; L'Ecuyer, Jason R CIV USARMY CENWK (US) <Jason.R.LEcuyer@usace.army.mil>; Stonestreet, Wendy E CIV USARMY CENWK (US) <Wendy.E.Stonestreet@usace.army.mil>
Subject: RE: Pohatcong OU3 PDI Field Activities Status Call Summary - June 5, 2018

Michelle,

Below is the narrative Brad put together summarizing our review of the existing data. We included some of our recommendations to consider, but we'd like to hear Ramboll's plan. Figure 1 identifies the general areas where we feel additional investigation is recommended, or not recommended. The remaining attachments are just for quick reference as you review the narrative.

Let me know if you would like to discuss this prior to the end of the month call. I'll set up a conference call if needed.

Existing Data

* Two existing RI deep soil borings PPP-SBD-204 and PPP-SBD-205 are located southwest of the clean room and were drilled to 105 feet bgs and 125 feet bgs, respectively. The majority of the TCE results were non-detect with a few J coded results below the action level. Boring logs, data tables and summary tables for these borings are attached.

* No deep soil borings are present north, south, or east of the clean room or within the clean room.

* Monitoring well POHMW2 is located north of the clean room and is screened from 121 to 131 feet bgs. TCE concentrations in this well have generally fluctuated between ND and 3 ug/L from 1990 to 2006. In 2007, TCE was detected in the well at 52 ug/L from a diluted sample. See Plate 1. No TCE data was located for POHMW2 after 2007.

* Monitoring wells POHMW1 and POHMW9 are located east of the clean room and are screened from 127 to

137 feet bgs and 220 to 245 feet bgs, respectively. Both wells have been ND for TCE. See Plate 1. Recent groundwater data from the annual MNA reports continues to show ND for TCE at POHMW1. No TCE data was located from POHMW9 after 2009.

* PDI soil borings PDI-SB25 and PDI-SB26 located just west of the clean room were sampled to 122.5 feet bgs. TCE contamination at these locations was detected above the action level at the bottom of each boring and at depths deeper than any of the other deep boring drilled beneath the building.

Data Gaps

* The extent of TCE contamination above the action level has not be delineated to the east, north, or south of PDI borings PDI-SB25 and PDI-SB26 . Additionally, the extent of TCE contamination above the action level was not delineated vertically at these locations.

Recommendations/Considerations

* Install one vertical deep soil boring north of PDI-SB25 and one south of PDI-SB26 to delineate the northern and southern extent of TCE contamination above the action level within the portion of the building currently accessible by drill rig.

* Install deep soil borings to the east of PDI-SB25 and PDI-SB26 within the clean room, if accessible, to delineate TCE contamination above action levels. The number and locations of borings TBD based on accessibility and analytical results. If the clean room is not accessible by drill rig, angle borings are recommended along the exterior of the building at multiple locations to the east, south, and north to obtain samples from beneath the clean room. Number and locations TBD.

* All boings should be drilled to the top of competent bedrock to define the vertical extent of contamination.

* Depending on the extent and concentration of TCE detected beneath the clean room portion of the building, an additional monitoring well may be warranted within and/or south of the clean room.

Let me know if you have any questions.

Thanks,

Josh

Joshua A. Watts, PE, PMP

Project Manager

U.S. Army Corps of Engineers

601 E. 12th Street

Kansas City, MO 64106-2896

Office: (816) 389-3199

Cell: (816) 266-3785

-----Original Message-----
From: Hauber, Erin M CIV USARMY CENWK (US)
Sent: Thursday, June 7, 2018 11:29 AM
To: Granger, Michelle <Granger.Michelle@epa.gov>
Cc: Brink, Bradley J CIV USARMY CENWK (US) <Bradley.J.Brink@usace.army.mil>; Watts, Joshua A CIV USARMY CENWK (US) <Joshua.A.Watts@usace.army.mil>
Subject: RE: Pohatcong OU3 PDI Field Activities Status Call Summary - June 5, 2018

Michelle,

Thanks for catching the correction to the meeting minutes.

We are also reviewing existing data to understand what deep soil borings are near the southeastern and eastern side of the building. It appears that we do not have any deep borings on the southeastern or eastern side of the building and only one monitoring well to the east of the building. Brad Brink is going to summarize our existing data, include a few figures, and highlight any data gaps in preparation for our end of June call. We are also thinking through potential impacts to the OU1/OU2 monitoring program.

Erin

-----Original Message-----

From: Granger, Michelle [mailto:Granger.Michelle@epa.gov]

Sent: Thursday, June 7, 2018 10:11 AM

To: Stan Popelar <SPopelar@ramboll.com>

Cc: bkennington@ramboll.com; Hauber, Erin M CIV USARMY CENWK (US) <Erin.M.Hauber@usace.army.mil>

Subject: [Non-DoD Source] RE: Pohatcong OU3 PDI Field Activities Status Call Summary - June 5, 2018

Hi, Stan-

Thank you for the call summary. I'd like to request a revision to the call summary, specifically the "Other Items Discussed" section. Please reflect-- a call will be planned (for the end of June) with EPA to discuss results of elevated contamination in SB-25 and SB-26. It was discussed that you would update the EVS model, review results and figure out next steps to characterize the eastern extent of contamination. Please include this in the revised call summary and resend.

Also, I spoke with Kim today and she has expressed that we'll need to discuss on the call in the end of June what plans you have for additional soil sampling (stepping out from SB-25 and SB-26) to characterize the eastern extent of contamination.

Thank you, Stan.

Michelle-

From: Stan Popelar [SPopelar@ramboll.com]

Sent: Wednesday, June 6, 2018 4:38 PM

To: Oconnell, Kimberly; 'Duckett, Roy (HSE)'; Bruce S Kennington; David T Heidlauf; Michael Kevin Eddings; Kolb, Neal F CIV USARMY CENAN (US); 'luis.hidalgo@riotinto.com'; 'Wendy.E.Stonestreet@usace.army.mil'; 'Joshua.A.Watts@usace.army.mil'; 'Charles.Masson@riotinto.com'; Granger, Michelle; Erin.M.Hauber@usace.army.mil; Scott Tarmann; Brink, Bradley J CIV USARMY CENWK (US); patrick nejand; Lin Zhao

Subject: Pohatcong OU3 PDI Field Activities Status Call Summary - June 5, 2018

Attached is a summary of the items discussed on yesterday's weekly status call.

Regards, Stan

Stanley J. Popelar

Managing Consultant

D 312.288.3858

M 815.793.6442

SPopelar@ramboll.com<mailto:SPopelar@ramboll.com>

Ramboll

333 West Wacker Drive

Suite 2700

Chicago, IL 60606

USA

Blockedwww.ramboll-environ.com<Blockedhttp://www.ramboll-environ.com/>

Pre-Design Investigation
DRAFT Preliminary TCE Soil Results
OU3, PVGCS Site, Washington, New Jersey

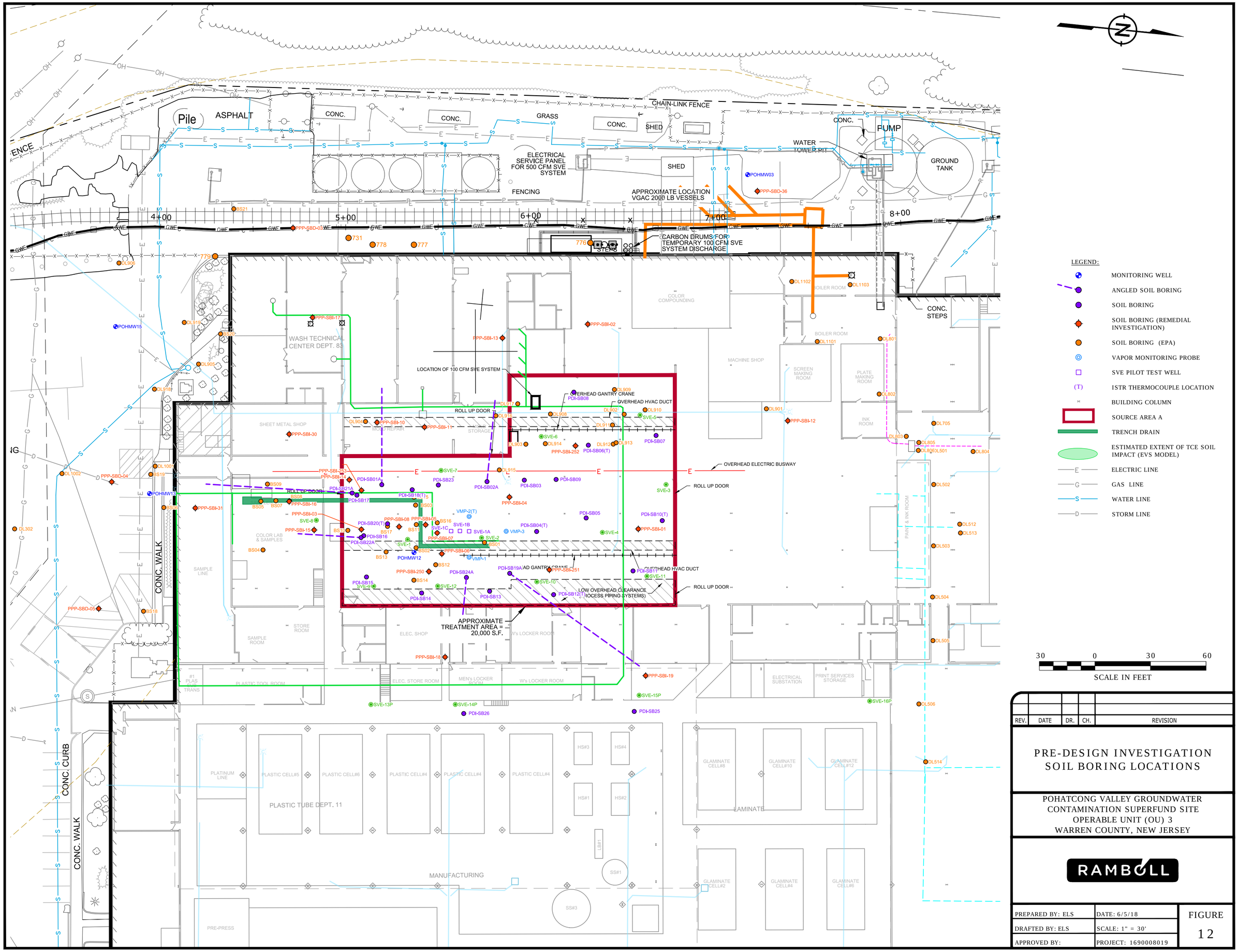
Boring	PDI-SB01A		PDI-SB02A		PDI-SB03		PDI-SB04		PDI-SB05		PDI-SB06		PDI-SB07		PDI-SB08		PDI-SB09	
Angle	67°		70°		90°		90°		90°		90°		90°		90°		90°	
Result type	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2-2.5'					27.9 U	32.4 U			34.0 U	38.4 U	31.9 U	35.7 U	35.0 U	38.0 U	33.0 U	37.4 U	32.4 U	35.8 U
4.5-5'					32.6 U	36.6 U			35.4 U	39.5 U	31.1 U	35.3 U	36.1 U	40.6 U	33.3 U	39.9 U	31.3 U	36.1 U
7-7.5'					27.5 U	32.9 U			33.6 U	35.5 U	33.5 U	39.6 U	32.1 U	37.9 U	32.3 U	35.7 U	35.9 U	40.3 U
9.5-10'					27.6 U	32.4 U			36.4 U	41.8 U	30.9 U	35.1 U	31.2 U	37.1 U	35.0 U	40.3 U	28.9 U	30.9 U
12-12.5'					28.6 U	32.6 U			10.2 J	12.6 J			30.8 U	34.9 U	34.5 U	40.5 U	35.1 U	38.5 U
14.5-15'					28.4 U	33.1 U			31.9 U	34.2 U	31.8 U	37.0 U	34.1 U	39.9 U	31.2 U	36.2 U	35.3 U	38.8 U
17-17.5'					27.8 U	32.4 U			27.6 U	30.1 U	32.7 U	35.3 U	34.8 U	39.9 U	22.8 U	38.7 U	27.7 U	31.4 U
19.5-20'					27.2 U	31.4 U			18.6 J	21.8 J	33.5 U	40.2 U	32.6 U	38.0 U	33.0 U	39.2 U	29.6 U	32.6 U
22-22.5'					29.2 U	33.7 U			31.1 U	36.2 U	32.4 U	37.3 U	32.1 U	37.2 U	32.2 U	38.7 U	27.6 U	31.1 U
24.5-25'					27.4 U	31.7 U			32.4 U	38.0 U	33.1 U	37.1 U	32.0 U	36.3 U	32.7 U	37.0 U	31.1 U	35.8 U
27-27.5'					28.9 U	33.6 U					31.4 U	35.6 U	27.1 U	30.9 U	31.9 U	36.9 U	31.6 U	34.3 U
29.5-30'					30.4 U	35.1 U			35.1	43.4	32.3 U	36.0 U	27.3 U	31.1 U	31.7 U	36.8 U	32.2 U	34.6 U
32-32.5'					29.7 U	32.3 U			87.4	111	31.7 U	36.8 U	27.3 U	30.5 U	33.4 U	38.7 U	19.2 J	21.5 J
34.5-35'					29.2 U	30.6 U			43.5	50.1	32.0 U	35.5 U			33.4 U	36.7 U	30.7 U	34.5 U
37-37.5'					26.7 U	27.9 U			34.0 U	34.8 U	33.4 U	34.9 U	34.0 U	38.4 U			30.9 U	34.3 U
39.5-40'					28.6 U	30.0 U			13.3 J	15.0 J	35.8 U	41.4 U	33.6 U	36.6 U			30.9 U	36.2 U
42-42.5'	29.7 U	34.7 U	34.1 U	38.1 U	26.8 U	29.0 U	30.6 U	35.9 U	33.1 U	36.4 U	31.5 U	36.2 U	34.8 U	38.1 U	31.0 U	34.7 U	38.1 U	43.3 U
44.5-45'	27.8 U	31.9 U	35.8 U	41.1 U	34.8 U	37.2 U	32.4 U	36.2 U	32.0 U	35.6 U	35.2 U	40.0 U			31.8 U	35.3 U	38.9	44
47-47.5'	28.1 U	29.9 U	31.9 U	35.8 U					11.0 J	12.3 J	32.7 U	37.5 U			32.2 U	37.3 U	33.5 U	37.5 U
49.5-50'	30.2 U	33.2 U			28.3 U	31.6 U			30.8 U	34.8 U	32.5 U	39.0 U			33.0 U	37.2 U	33.9 U	37.5 U
52-52.5'	28.9 U	32.8 U	35.7 U	40.3 U	27.4 U	31.1 U	32.4 U	36.1 U	33.9 U	36.3 U	30.2 U	33.4 U	32.8 U	35.7 U	33.8 U	39.2 U	31.7 U	33.2 U
54.5-55'			35.7 U	40.2 U	12.2 J	14.3 J	32.3 U	34.0 U	69.5	83.3	33.8 U	37.0 U	28.4 U	31.4 U	29.2 U	30.2 U	31.2 U	36.0 U
57-57.5'	27.5 U	31.2 U	32.5 U	35.5 U	31.1 U	34.0 U	21.7 J	25.6 J	34.7	39.5	32.4 U	35.6 U	34.2 U	38.4 U	31.3 U	35.0 U	33.1 U	33.9 U
59.5-60'	11.4 J	13.1 J	32.8 U	36.3 U	27.9 U	30.0 U	25.4 J	28.9 J	30.3 J	36.4 J	28.3 U	31.0 U	32.5 U	35.3 U	34.0 U	34.7 U	980	1120
62-62.5'	238	275	152	176	43.4	48.8			206	232	93.5	108	10.8 J	12.2 J	314	366	28.3 U	30.4 U
64.5-65'	352	409	221	252	28.4 U	30.9 U	22.9 J	25.9 J	237	267	1450	1660	33.5 U	38.4 U	531	618		
67-67.5'	166	190	64.9	73.6	942	1090	35.6 U	38.6 U	78.8	90	593	680	573	656	421	490	2930	3400
69.5-70'	74.4	84.6	59.6 J	68.7 J	568	651	588	673	57.3	64.6	2020	2290	660	752	375	424	1630	1950
70.5-71'							3570	4100									3670	4200
72-72.5'	103	116	158	177	679	755	4030	4660	302	348	3010	3480	441	501	1420	1600	1570	1760
74.5-75'	101	115	1090	1290	62.1	70	4040	4560	31.1 U	34.7 U	2300	2650	148	168	1460	1700		
77-77.5'	270	318	723	814	440	502	931	1080	146	167	42.8	46.9	232	264	1370	1550		
79.5-80'	200	234	1180	1430	1150	1310	2900	3250	21.2 J	23.7 J	5830	6650	243	275	463	521	6450	7390
82-82.5'	103	119	462	555	30.4 U	33.2 U	2990	3430	107	122	7670	8770	451	509	1650	1880	29.2 U	33.1 U
83-83.5'							305	339										
84.5-85'	12.3 J	14.3 J	141	162	32.3	35.5			438	507	212	257	211	237	709	787	497	584
87-87.5'	15.5 J	21.0 J	32.3 U	33.0 U	27.5 U	29.3 U	32.9 U	34.1 U	141	167	13.4 J	14.2 J	176	201	2970	3540	30.6 U	31.2 U
88.5-89'																		
89.5-90'	13.8 J	16.5 J	34.3 U	36.4 U	26.8 U	28.3 U	32.2 U	33.0 U	75	95.8	122	143	632	703	3370	3950	33.5 U	34.7 U
92-92.5'	12.4 J	15.2 J	36.2 U	37.4 U	28.9 U	30.0 U	32.6 U	34.2 U	55.6	64.7	32.4 U	33.6 U	1090	1280	437	571	13.1 J	14.7 J
94.5-95'	30.3 U	35.0 U	37.6 U	43.0 U	30.9 U	31.9 U	35.1 U	38.9 U	21.2 J	24.6 J	35.7 U	36.2 U	140	165	20.7 J	23.1 J	30.1 U	31.1 U
97-97.5'	29.6	33.9	31.5 U	34.9 U	27.9 U	31.8 U	31.1 U	33.9 U	20.1 J	23.0 J	33.2 U	34.3 U	166	208	99.8	123	28.4 J	32.4 J
99.5-100'	75	81.8	33.4 U	34.4 U	27.8 U	32.4 U	32.8 U	36.2 U	10.8 J	12.6 J	32.7 U	35.4 U	82.9	99.4	34.5 U	35.3 U	34.7 J	39.8 J
102-102.5'	68	71.9	31.1 U	32.2 U	22.2 J	26.7 J	33.5 U	33.6 U	11.3 J	12.9 J	13.2 J	14.3 J	31.4 U	35.2 U	31.7 U	33.4 U	24.7 J	30.1 J
104.5-105'	29.7 U	30.3 U	30.9 U	32.2 U	28.4 U	31.7 U	32.3 U	38.4 U	33.8 U	35.0 U	16.1 J	17.9 J	34.3 U	35.3 U	33.1 U	35.4 U	35.3 U	41.1 U
107-107.5'	31.0 U	31.7 U	33.2 U	37.5 U	31.7 U	32.9 U	33.8	38.5	35.3 U	37.8 U	33.3 U	35.8 U	30.8 U	33.4 U	33.1 U	34.4 U	26.7 U	28.6 U
109.5-110'	27.5 U	29.6 U	33.7 U	36.2 U	27.8 U	30.5 U	31.9 U	32.3 U	35.5 U	36.5 U	33.8 U	36.1 U	31.2 U	33.9 U	32.4 U	32.8 U	34.7 U	37.5 U
112-112.5'	30.6 U	31.9 U	32.6 U	33.1 U	26.8 U	29.1 U	31.8 U	36.7 U	27.0 U	31.1 U			32.1 U	35.8 U	33.5 U	36.5 U	28.9 U	31.4 U
114.5-115'	30.9 U	31.7 U	34.1 U	35.6 U	14.3 U	15.4 U	32.6 U	39.6 U	34.0 U	36.8 U	34.7 U	41.4 U	28.1 U	30.7 U	32.7 U	33.4 U	33.6 U	34.9 U
117-117.5'	28.4 U	29.5 U	34.8 U	39.8 U			32.6 U	35.9 U	28.0 U	30.5 U	33.6 U	39.8 U	35.8 U	38.7 U	31.3 U	34.2 U	32.9 U	38.0 U
119.5-120'	28.3 U	29.0 U	31.8 U	35.6 U	31.7 U	34.3 U	34.6 U	39.4 U	31.7 U	33.5 U	35.0 U	41.1 U	34.4 U	43.3 U	34.9 U	39.4 U	28.9 U	32.8 U
122-122.5'	31.0 U	32.2 U	31.9 U	34.6 U	27.2 U	30.0 U	33.7 U	35.3 U	30.1 U	32.8 U	32.5 U	36.3 U	33.9 U	38.2 U	32.4 U	35.6 U	39.6 U	43.5 U
124.5-125'					28.6 U	32.9 U					33.5 U	37.4 U						
127-127.5					28.6 U	31.9 U					34.3 U	36.8 U						
128.5-129'					38.2 U	41.3 U					32.4 U	37.2 U						
132-132.5'											33.7 U	38.1 U						
134.5-135					29.0 U	32.1 U					33.4 U	36.7 U						
137.5-138					29.7 U	32.2 U												
139.5-140'																		
142-142.5'																		
145-145.5'																		

Boring	PDI-SB10		PDI-SB11		PDI-SB12		PDI-SB13		PDI-SB14		PDI-SB15		PDI-SB16		PDI-SB17		PDI-SB18	
Angle	90°		90°		90°		90°		90°		90°		90°		90°		90°	
Result type	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2-2.5'					35.4 U	40.1 U	37.9 U	43.2 U			39.6 U	45.6 U			28.2 U	33.0 U	33.4 U	40.1 U
4.5-5'					34.7 U	38.7 U	37.0 U	42.6 U			31.1 U	36.1 U			28.3 U	32.3 U	28.2 U	32.9 U
7-7.5'					33.2 U	37.6 U	38.6 U	45.0 U			31.9 U	35.2 U			32.8 U	39.2 U	27.3 U	31.5 U
9.5-10'					35.3 U	39.0 U	35.1 U	40.7 U			28.2 U	31.0 U			27.8 U	31.9 U	28.7 U	30.9 U
12-12.5'					34.8 U	40.4 U	37.4 U	41.3 U			28.2 U	32.7 U			30.7 U	36.0 U	28.3 U	29.0 U
14.5-15'					33.5 U	36.7 U	39.6 U	45.3 U			28.8 U	34.6 U			32.0 U	37.8 U	29.5 U	34.1 U
17-17.5'					29.6 U	32.3 U	37.0 U	43.7 U			31.3 U	33.4 U			33.8 U	37.1 U	28.4 U	33.5 U
19.5-20'					33.6 U	39.2 U	38.1 U	43.4 U			27.3 U	32.8 U			32.7 U	37.9 U	31.4 U	35.2 U
22-22.5'					36.9 U	43.6 U	36.2 U	41.4 U			29.6 U	35.0 U			31.7 U	37.4 U	29.1 U	38.3 U
24.5-25'					32.7 U	37.2 U									32.4 U	37.1 U	27.4 U	32.2 U
27-27.5'					34.3 U	38.7 U					31.5 U	36.4 U			32.5 U	36.5 U	26.6 U	31.3 U
29.5-30'					26.8 U	31.5 U	27.6 U	32.1 U			29.0 U	31.7 U			35.7 U	38.9 U	26.8 U	30.7 U
32-32.5'					32.9 U	37.3 U	13.2 J	15.2 J			28.6 U	30.9 U			27.4 U	31.8 U	33.3 U	39.9 U
34.5-35'					33.8 U	39.3 U	28.5 U	32.9 U			29.5 U	32.5 U			27.0 U	31.1 U	18.9 J	21.9 J
37-37.5'					33.2 U	37.9 U	26.0 U	28.2 U			29.5 U	34.3 U					31.0 U	35.3 U
39.5-40'					35.1 U	38.6 U	26.9 U	29.3 U							29.0 U	32.6 U	28.3 U	33.2 U
42-42.5'	34.1 U	39.6 U	36.6 U	40.6 U	31.1 U	35.3 U	19.9 J	21.7 J					26.9 U	30.4 U	35.9 U	37.9 U	27.0 U	30.5 U
44.5-45'	32.7 U	37.7 U	29.0 U	31.4 U	31.6 U	37.6 U	30.9 U	34.4 U	35.9 U	40.6 U			27.4 U	29.9 U	32.4 U	33.3 U	32.2 U	37.3 U
47-47.5'	32.9 U	37.3 U	30.5 U	34.4 U	32.9 U	38.6 U	31.4 U	37.1 U	32.7 U	35.9 U			28.0 U	30.3 U	32.0 U	34.7 U	30.8 U	34.0 U
49.5-50'	32.7 U	36.6 U	28.0 U	29.8 U	32.8 U	36.4 U	29.9 U	33.1 U			29.8 U	32.1 U	31.9 U	32.9 U	30.6 U	33.0 U	28.4 U	32.7 U
52-52.5'	31.9 U	36.3 U	28.8 U	31.5 U	30.7 U	35.4 U	29.8 U	32.9 U	32.9 U	37.5 U	31.1 U	34.1 U	29.0 U	32.3 U	31.6 U	35.1 U		
54.5-55'	40.7	49.2	26.9 U	30.2 U	31.7 U	34.3 U	27.5 U	29.2 U	33.2 U	37.3 U	27.1 U	29.4 U	32.0 U	36.1 U	31.1 U	35.2 U		
57-57.5'	23.3 J	27.9 J	28.8 U	31.9 U	33.1 U	36.1 U	28.4 U	29.5 U			28.1 U	31.2 U	34.9 U	40.7 U	28.4 U	32.0 U	27.9 U	31.2 U
59.5-60'	40.7	48.5	35.4 U	38.1 U	33.3 U	35.0 U	12.3 J	13.4 J	17.1 J	19.8 J			27.5 U	30.5 U	27.9 U	30.9 U	29.2 U	32.8 U
62-62.5'	36.3 U	42.2 U	27.7 U	30.8 U			25.7 U	28.1 U	26.9 U	29.5 U	27.1 U	29.1 U	48.4	54.7			19.0 J	21.6 J
64.5-65'	28.8 U	32.5 U	27.9 U	29.4 U			28.6 U	31.8 U	34.5 U	38.5 U	33.0 U	36.6 U	28.3 U	32.5 U	33.9 U	38.1 U	31.8 U	35.5 U
67-67.5'	31.1 U	32.9 U	30.6 U	33.6 U			11.2 J	12.7 J	33.5 U	37.9 U	24.3 U	27.0 U	32.9 U	38.3 U	35.5 U	38.6 U	29.0 U	31.9 U
69.5-70'	10.3 J	11.8 J	27.8 U	30.4 U			278	310	25.8 J	28.3 J			29.0 U	33.7 U	51.6	58.9	27.0 U	30.8 U
70.5-71'																		
72-72.5'	61.7	73.8	30.2 U	33.1 U	34.9 U	35.9 U	2970	3370	448	507			1510	1720	160	183	9910	11200
74.5-75'	38.4 U	43.6 U	30.2 U	33.4 U	3940	4680	3090	3500	1650	1880	36.0 U	40.8 U	1730	1960	391	445	11600	13100
77-77.5'	36.0 U	40.9 U	28.1 U	30.6 U			5960	6880			12.7 J	14.2 J	1660	1870	134	151	487	509
79.5-80'	34.9 U	38.9 U	50.1	56	5360	6160	3470	4020	2150	2450			4780	5730	193	219	30000	35200
82-82.5'	24.8 U	26.5 U	71.1	79.6	4740	5380	6630	7640	396	448			4670	5630	703	859	9950	11100
83-83.5'					1070	1170												
84.5-85'	120	137	59.1	66.3	7280	8400	1460	1730	2500	2840	264	294	5430	6310	165	194	44.8	54.1
87-87.5'	310	372	42.9	47.6	5170	5890	477	571	2630	3000			1670	1990	210	268	33.6 U	35.0 U
88.5-89'									4330	5120	343	370						
89.5-90'	127	145	302	332	2350	2800	29.3 J	33.0 J	3460	4080			951	1190	22.2 J	25.7 J	39.4 U	43.7 U
92-92.5'	75.5	84.1	104	120	1090	1320	656	676	5440	6450			93.6	111	33.6 U	35.7 U	30.9 U	32.6 U
94.5-95'			74.9	92.4	20.9 J	22.8 J			1240	1410	13.4 J	15.1 J	39	45.3	31.9 U	33.5 U	10.7 J	12.1 J
97-97.5'	28.2	31.5	81.5	96.1	66.7	76.6			387	474	202	254	58.7	65.1	28.2 U	30.8 U	19.5 J	20.3 J
99.5-100'	132	148	22.1 J	27.6 J	35.4 U	38.0 U	294	320	2290	3100	27.3 U	29.3 U	123	141	29.3 U	31.1 U	27.0 U	28.0 U
102-102.5'	19.8 J	22.7 J	46.7 U	56.0 U	32.5 U	34.7 U	148	182	1170	1720	28.3 U	29.7 U	112	137	42.1	52.4	28.4 U	29.7 U
104.5-105'	84	106	129	167	27.1 U	29.3 U			84.6	97.5			16.0 J	17.8 J	11.3 J	14.5 J	29.7 U	32.2 U
107-107.5'	74.3	92.4	35.7 U	39.9 U	33.3 U	34.4 U			54.9	62.2			29.3 U	32.3 U	21.9 J	30.9 J	27.1 U	30.8 U
109.5-110'	52.1	63.9	23.9 J	29.9 J	26.3 U	26.8 U	28.0 J	32.4 J			29.3 U	31.9 U	30.1 U	35.2 U	29.5 J	39.4 J		
112-112.5'	14.0 J	16.5 J	29.8 U	33.6 U	29.4 U	30.7 U	30.7 U	32.6 U	14.4 J	17.2 J					10.8 J	12.5 J		
114.5-115'			19.0 J	22.2 J	33.8 U	39.4 U	32.7 U	37.3 U	32.3 U	36.8 U	27.7 U	28.6 U	31.1 U	35.9 U	32.5 U	35.6 U		
117-117.5'	54.7	69.1	435	574	34.2 U	37.6 U	33.2 U	37.6 U	36.3 U		29.6 U	30.8 U	31.7 U	34.1 U	37.1 U	40.3 U	27.7 U	31.5 U
119.5-120'	97.8	124	154	197	32.4 U	36.9 U	42.0 U	46.4 U	32.7 U		28.4 U	31.4 U	28.1 U	30.6 U	10.1 J	11.8 J	34.8 U	37.7 U
122-122.5'	38.2	45.4	28.4 U	30.1 U	27.8 U	29.8 U	29.7 U	35.7 U	33.3 U		26.9 U	32.1 U	34.0 U	36.6 U	35.8 U	38.6 U	34.0 U	35.9 U
124.5-125'	30.5 U	36.0 U	30.3 U	32.8 U			35.7 U	47.3 U									29.7 U	34.2 U
127-127.5	36.5 U	44.8 U	30.6 U	33.7 U			34.8 U	43.3 U									28.6 U	32.6 U
128.5-129'			31.6 U	34.6 U													33.6 U	36.6 U
132-132.5'																	31.6 U	34.2 U
134.5-135																	33.0 U	38.6 U
137.5-138																	27.3 U	32.5 U
139.5-140'																	29.9 U	32.7 U
142-142.5'																	30.4 U	36.1 U
145-145.5'																	30.9 U	34.9 U

Boring	PDI-SB19A		PDI-SB20		PDI-SB21A		PDI-SB22A		PDI-SB23		PDI-SB24A		PDI-SB25		PDI-SB26		VMP-1	
Angle	55°		90°		50°		70°		90°		80°		90°		90°		90°	
Result type	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet	Dry
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2-2.5'	27.0 U	29.0 U	28.4 U	34.4 U	27.5 U	32.7 U	31.2 U	36.0 U	30.3 U	35.1 U			38.9	43.5	37.9 U	43.3 U		
4.5-5'	31.1 U	34.1 U	30.0 U	35.2 U	26.8 U	31.7 U	35.8 U	41.3 U	31.2 U	37.2 U	28.2 U	33.1 U	29.9 U	34.2 U	38.2 U	43.6 U	27.6 U	31.6 U
7-7.5'			32.9 U	39.5 U	28.8 U	32.9 U	32.6 U	36.2 U	32.9 U	38.6 U	26.9 U	30.6 U	29.1 U	33.4 U	40.1 U	44.9 U	28.0 U	30.8 U
9.5-10'	28.0 U	32.6 U	30.1 U	34.9 U	30.5 U	34.7 U	32.8 U	38.9 U	28.6 U	31.8 U	28.1 U	32.9 U	28.8 U	33.0 U	37.8 U	42.6 U	27.7 U	31.5 U
12-12.5'	28.8 U	30.2 U	28.8 U	33.4 U	30.1 U	35.8 U	33.2 U	39.4 U	33.7	40.9	28.6 U	34.1 U	26.8 U	29.9 U	36.7 U	41.1 U	29.7 U	34.2 U
14.5-15'	27.6 U	32.0 U	29.6 U	34.7 U	31.3 U	35.6 U	27.4 U	30.8 U			27.6 U	32.2 U	27.0 U	32.3 U	36.9 U	41.1 U	26.5 U	31.5 U
17-17.5'	27.4 U	32.0 U	36.1 U	42.6 U	30.9 U	36.6 U					26.9 U	31.1 U	30.0 U	31.8 U	37.8 U	43.6 U	11.8 J	13.9 J
19.5-20'	28.2 U	33.3 U	28.4 U	33.6 U	28.4 U	32.1 U	26.5 U	31.1 U			27.1 U	31.3 U	28.8 U	31.4 U	37.2 U	39.4 U	29.2 U	33.3 U
22-22.5'	11.2 J	13.5 J	27.6 U	32.3 U	29.0 U	33.9 U	29.2 U	34.4 U	35.9 U	40.7 U	27.0 U	30.7 U	28.0 U	32.3 U	32.7 U	34.3 U	28.9 U	33.2 U
24.5-25'			27.9 U	32.5 U	27.6 U	32.3 U	27.1 U	31.5 U	28.9 U	33.1 U	26.7 U	30.7 U	28.6 U	32.5 U	37.8 U	42.8 U	11.5 J	13.4 J
27-27.5'					30.8 U	35.3 U			30.8 U	35.4 U	17.6 J	20.2 J	31.4 U	32.6 U	34.0 U	39.9 U		
29.5-30'	29.7 U	32.7 U	27.2 U	32.4 U	30.3 U	35.2 U	30.1 U	35.7 U	27.8 U	31.8 U	11.4 J	13.2 J	28.8 U	29.7 U	33.4 U	39.4 U		
32-32.5'			27.1 U	31.0 U	31.5 U	33.9 U	29.6 U	34.1 U	30.8 U	34.6 U	29.6 U	33.4 U			33.8 U	37.8 U	27.7 U	31.4 U
34.5-35'			29.6 U	33.6 U	28.9 U	30.1 U	27.0 U	31.0 U	29.0 U	31.6 U	27.8 U	31.9 U			32.0 U	35.1 U	29.3 U	33.3 U
37-37.5'	26.8 U	31.1 U	28.2 U	31.1 U	38.3 U	44.0 U	28.0 U	31.6 U	27.8 U	29.1 U	26.1 U	28.6 U	28.9 U	32.9 U	32.3 U	38.1 U	19.1 J	21.6 J
39.5-40'			28.2 U	31.0 U	26.9 U	30.2 U	27.6 U	31.5 U	30.7 U	33.9 U	10.2 J	11.7 J	31.0 U	35.4 U	27.3 U	31.8 U	26.6 U	29.0 U
42-42.5'			28.9 U	32.5 U	32.4 U	36.8 U	27.1 U	31.4 U	29.9 U	32.8 U	27.0 U	29.0 U	29.5 U	33.3 U	35.6 U	40.8 U	28.0 U	30.6 U
44.5-45'	26.6 U	30.6 U	28.2 U	31.7 U	35.9 U	41.0 U	27.0 U	38.0 U	29.1 U	30.7 U	339	364	29.5 U	32.1 U	27.1 U	31.3 U	17.7 J	20.2 J
47-47.5'	27.6 U	28.8 U	30.4 U	34.1 U	31.8 U	35.8 U			30.0 U	34.8 U	88.6	103	31.2 U	33.9 U	35.0 U	37.1 U	27.8 U	31.2 U
49.5-50'	27.2 U	29.3 U	26.8 U	31.4 U	30.6 U	33.6 U	27.2 U	31.4 U	28.4 U	30.4 U			28.7 U	32.5 U	32.6 U	37.6 U	29.2 U	32.2 U
52-52.5'	34	41	28.5 U	31.3 U	31.7 U	36.5 U	27.2 U	31.4 U					27.8 U	31.5 U				
54.5-55'	13.0 J	14.5 J	27.4 U	31.3 U	27.6 U	30.5 U	27.6 U	32.3 U	28.1 U	32.1 U	12.6 J	13.7 J	29.4 U	32.8 U			27.8 U	29.7 U
57-57.5'	57	31.1 U	30.9 U	34.3 U	27.4 U	31.1 U	28.1 U	36.1 U	30.4 U	32.9 U	83.8	94.5	27.9 U	30.0 U	55.8 U	55.8 U	27.6 U	31.3 U
59.5-60'	26.6 U	27.6 U	23.6 J	26.4 J	27.1 U	32.3 U	31.7 U	35.9 U	29.7 U	31.7 U	201	240	27.3 U	31.1 U	33.2 U	36.9 U	20.8 J	22.6 J
62-62.5'	29.3 U	32.0 U	21.8 J	23.4 J	26.7 U	29.6 U	27.9 U	31.4 U	27.1 J	30.3 J	33	37.1			34.5 U	36.9 U	17.9 J	19.7 J
64.5-65'	28.8 U	30.4 U	30.8	34.1	27.4 J	32.0 J	18.2 J	22.5 J	295	335	56.9	63.1	30.6 U	38.7 U	33.2 U	36.2 U	8.74 J	9.39 J
67-67.5'	44.7	48	4600	5290	30.2	34.5	104	122	946	1090	432	522	27.4 U	29.5 U	36.7 U	43.0 U	2540	2890
69.5-70'	205	238	240	265	24.5 J	28.2 J	273	314	201	225	8.12 J	8.64 J	30.7 U	33.6 U	33.5 U	40.6 U	3790	4320
70.5-71'																		
72-72.5'	24.0 J	28.0 J	41.6	46	9.50 J	11.0 J	165 J	189 J	1080	1230	1220	1400	27.8 U	31.5 U	32.9 U	37.3 U	5440	6240
74.5-75'			8900	10200	35.3	40.8	518	585	2810	3170	1630	1820	28.4 U	32.3 U	33.1 U	45.5 U	4430	5010
77-77.5'	5570	6760	7140	7980	26.6 J	30.4 J	853	975	2250	2550	3200	3770	13.7 J	16.1 J	31.9 U	37.7 U	4660	5460
79.5-80'	1080	1210	37400	44100	30.0 J	34.9 J	249	281	4950	5710	7900	9690	27.6 U	30.7 U	32.9 U	37.1 U	12600	14900
82-82.5'	2830	3170	24300	28300	29.9 U	35.5 U	508	579	5270	6100	5870	6780	85.7	95.7	21.4 J	24.5 J	3310	3790
83-83.5'																		
84.5-85'	3090	3460	6680	7830	9.29 J	10.8 J	774	872	93	104	2330	2600	1510	1720	16.9 J	19.1 J	41.7	46.8
87-87.5'	213	247	314	377			529	616	30.0 U	31.4 U	7170	8230	4370	4980	82.4	96.9	356	425
88.5-89'			30.9 U	33.4 U			27.2 U	32.2 U										
89.5-90'	5330	6300			27.4 U	32.3 U	9.04 J	10.9 J	28.4 U	30.8 U	6290	7260	2660	2980	86.2	97.7	99.1	114
92-92.5'	4810	5730			29.2 U	32.2 U			28.1 U	29.2 U	2700	3350	6610	7540	1190	1360	27.5 U	30.1 U
94.5-95'	1520	1760							29.3 U	32.0 U	5240	6510	6320	7460	1570	1800	27.3 U	29.0 U
97-97.5'	679	796	429	521					27.0 U	31.1 U	1140	1390	2100	2550	2260	2780	30.2 U	32.2 U
99.5-100'	379	478	49.6	58.8					34.0 U	38.9 U	267	321	6590	8580	5280	6100	37.6	41.6
102-102.5'			865	1170					31.0 U	31.8 U	1840	2120	8950	11200	6450	7470	27.6 U	29.8 U
104.5-105'	134	160	171	217					29.7 U	31.9 U	304	381	1780	2210	1170	1540	28.8 U	31.3 U
107-107.5'			30.1 U	34.6 U					27.5 U	32.5 U	28.3 U	30.7 U	709	845	1540	2060		
109.5-110'	816	998	28.2 U	29.7 U							26.7 U	28.7 U	2380	3020	1530	2140		
112-112.5'	71.5	85.8	27.8 U	30.3 U									766	952	696	859		
114.5-115'			31.4 U	33.8 U									2580	3240	921	1150		
117-117.5'			29.1 U	31.2 U					29.1 U	33.3 U			1900	2370	763	971		
119.5-120'			27.3 U	29.4 U					28.2 U	30.2 U			1970	2510	470	600		
122-122.5'			28.4 U	31.2 U					27.8 U	30.2 U			1010	1230	992	1390		
124.5-125'									28.5 U	32.3 U								
127-127.5			34.8 U	39.3 U														
128.5-129'																		
132-132.5'																		
134.5-135			27.5 U	30.2 U														
137.5-138			30.1 U	33.5 U														
139.5-140'																		
142-142.5'																		
145-145.5'																		

- (grey) = Not designated for sampling in work plan, No sample collected.
- (white) = No recovery, no sample collected.
- (light green) = <1,000 ug/kg
- (yellow) = 1,000 - 10,000 ug/kg
- (orange) = 10,000 - 100,000 ug/kg
- U = Non detect below the RL
- J = Detected below lab detection limit

Prepared/Reviewed by: MG/SP
6/6/2018



REV.	DATE	DR.	CH.	REVISION

PRE-DESIGN INVESTIGATION SOIL BORING LOCATIONS

POHATCONG VALLEY GROUNDWATER CONTAMINATION SUPERFUND SITE
OPERABLE UNIT (OU) 3
WARREN COUNTY, NEW JERSEY

RAMBOLL

PREPARED BY: ELS	DATE: 6/5/18	FIGURE 12
DRAFTED BY: ELS	SCALE: 1" = 30'	
APPROVED BY:	PROJECT: 1690008019	

L:\Loop Project Files_CAD\1690008019-005_RT_WBS A3.B2.80 33 2413_OU3 MW12_Acad\12_Pre-Design Investigation SB Locations.dwg

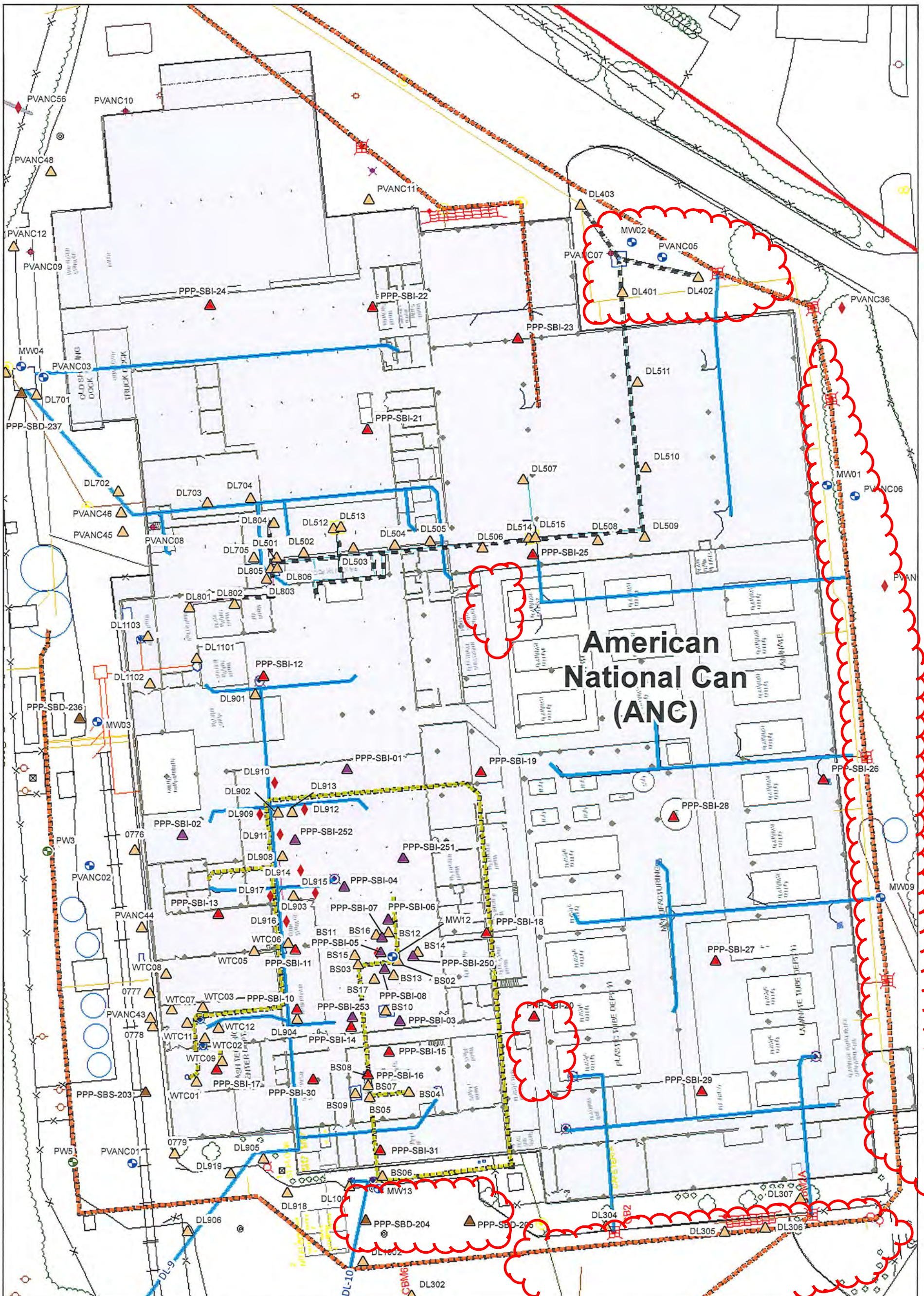
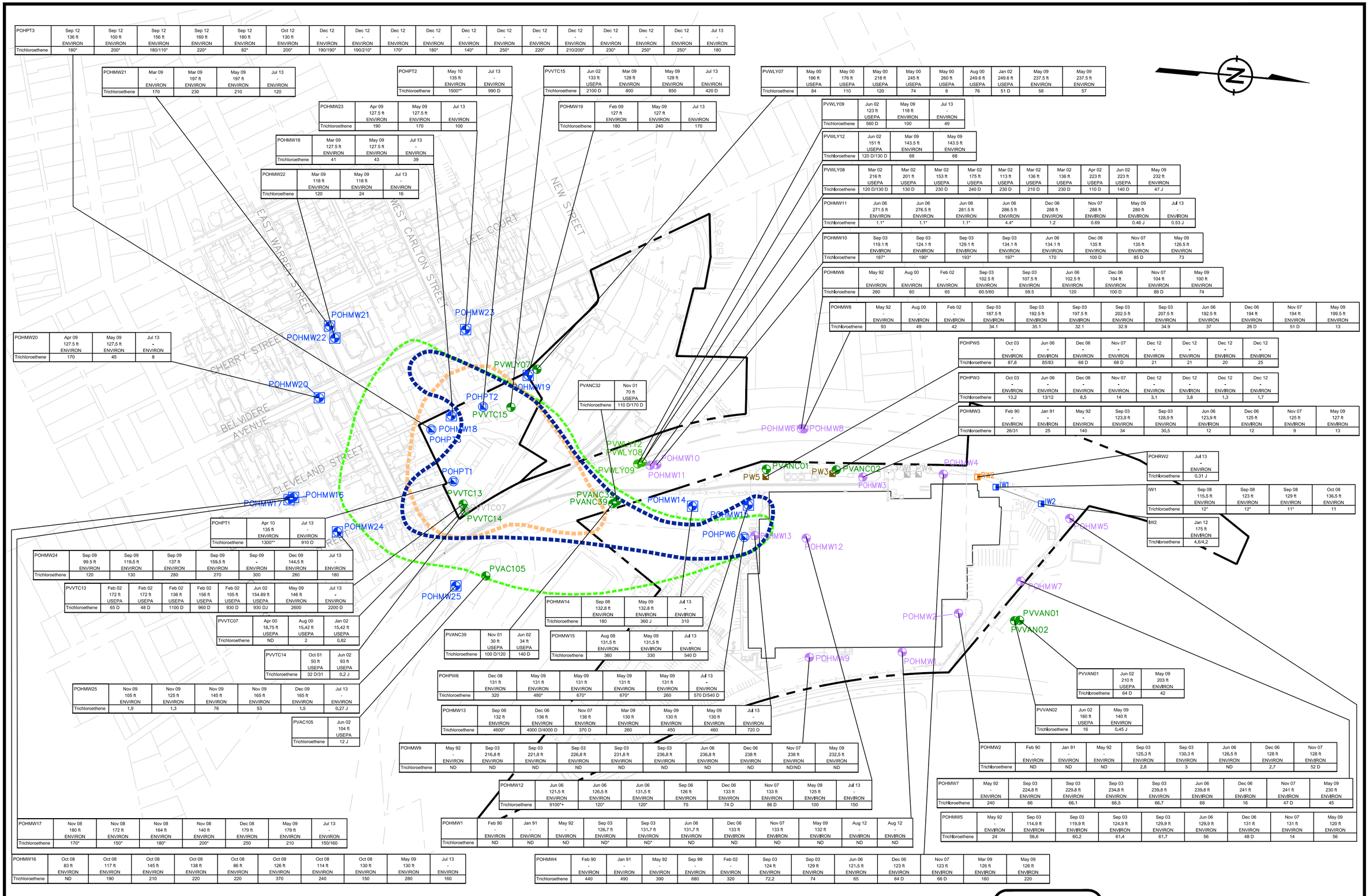


Figure 1-4
Interior Sample Locations
Pohatcong Valley OU3 Study Area
Washington, NJ



POHPT3	Sep 12 136 ft ENVIRON	Sep 12 100 ft ENVIRON	Sep 12 156 ft ENVIRON	Sep 12 160 ft ENVIRON	Sep 12 180 ft ENVIRON	Oct 12 130 ft ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Jul 13 - ENVIRON
Trichloroethene	180*	200*	180/110*	220*	82*	200*	190/190*	190/210*	170*	180*	140*	250*	220*	210/200*	230*	250*	250*	180

POHMW21	Mar 09 - ENVIRON	Mar 09 197 ft ENVIRON	May 09 197 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	170	230	210	120

POHPT2	May 10 135 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	1500**	990 D

PVVTC15	Jun 02 133 ft USEPA	Mar 09 128 ft ENVIRON	May 09 128 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	2100 D	800	850	420 D

PVWLY07	May 00 196 ft USEPA	May 00 176 ft USEPA	May 00 218 ft USEPA	May 00 245 ft USEPA	May 00 260 ft USEPA	Aug 00 249.6 ft USEPA	Jan 02 249.6 ft USEPA	May 09 237.5 ft ENVIRON	May 09 237.5 ft ENVIRON
Trichloroethene	84	110	120	74	8	76	51 D	58	57

POHMW23	Apr 09 127.5 ft ENVIRON	May 09 127.5 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	190	170	100

POHMW19	Feb 09 127 ft ENVIRON	May 09 127 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	180	240	170

PVWLY09	Jun 02 123 ft USEPA	May 09 118 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	560 D	100	49

POHMW18	Mar 09 127.5 ft ENVIRON	May 09 127.5 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	41	43	39

PVWLY12	Jun 02 151 ft USEPA	Mar 09 143.5 ft ENVIRON	May 09 143.5 ft ENVIRON
Trichloroethene	120 D/130 D	68	68

POHMW22	Mar 09 118 ft ENVIRON	May 09 118 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	120	24	16

PVWLY08	Mar 02 216 ft USEPA	Mar 02 201 ft USEPA	Mar 02 153 ft USEPA	Mar 02 175 ft USEPA	Mar 02 113 ft USEPA	Mar 02 136 ft USEPA	Mar 02 136 ft USEPA	Apr 02 223 ft USEPA	Jun 02 223 ft USEPA	May 09 232 ft ENVIRON
Trichloroethene	120 D/130 D	130 D	230 D	240 D	230 D	210 D	230 D	110 D	140 D	47 J

POHMW11	Jun 06 271.5 ft ENVIRON	Jun 06 276.5 ft ENVIRON	Jun 06 281.5 ft ENVIRON	Jun 06 286.5 ft ENVIRON	Dec 06 288 ft ENVIRON	Nov 07 288 ft ENVIRON	May 09 280 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	1.1*	1.1*	1.1*	4.4*	1.2	0.69	0.46 J	0.53 J

POHMW10	Sep 03 119.1 ft ENVIRON	Sep 03 124.1 ft ENVIRON	Sep 03 129.1 ft ENVIRON	Sep 03 134.1 ft ENVIRON	Jun 06 134.1 ft ENVIRON	Dec 06 135 ft ENVIRON	Nov 07 135 ft ENVIRON	May 09 126.5 ft ENVIRON
Trichloroethene	187*	190*	193*	197*	170	100 D	85 D	73

POHMW6	May 92 - ENVIRON	Aug 00 - ENVIRON	Feb 02 - ENVIRON	Sep 03 102.5 ft ENVIRON	Sep 03 107.5 ft ENVIRON	Jun 06 102.5 ft ENVIRON	Dec 06 104 ft ENVIRON	Nov 07 104 ft ENVIRON	May 09 100 ft ENVIRON
Trichloroethene	260	60	65	60.5/60	59.5	120	100 D	88 D	74

POHMW8	May 92 - ENVIRON	Aug 00 - ENVIRON	Feb 02 - ENVIRON	Sep 03 187.5 ft ENVIRON	Sep 03 192.5 ft ENVIRON	Sep 03 197.5 ft ENVIRON	Sep 03 202.5 ft ENVIRON	Sep 03 207.5 ft ENVIRON	Jun 06 192.5 ft ENVIRON	Dec 06 194 ft ENVIRON	Nov 07 194 ft ENVIRON	May 09 199.5 ft ENVIRON
Trichloroethene	93	49	42	34.1	35.1	32.1	32.9	34.9	37	26 D	51 D	13

POHMW20	Apr 09 127.5 ft ENVIRON	May 09 127.5 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	170	45	8

POHPW5	Oct 03 - ENVIRON	Jun 06 - ENVIRON	Dec 06 - ENVIRON	Nov 07 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON
Trichloroethene	87,8	85/83	68 D	68 D	21	21	20	25

POHPW3	Oct 03 - ENVIRON	Jun 06 - ENVIRON	Dec 06 - ENVIRON	Nov 07 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON	Dec 12 - ENVIRON
Trichloroethene	13,2	13/12	8,5	14	3,1	3,8	1,3	1,7

POHMW3	Feb 90 - ENVIRON	Jan 91 - ENVIRON	May 92 - ENVIRON	Sep 03 123,9 ft ENVIRON	Sep 03 128,9 ft ENVIRON	Jun 06 123,9 ft ENVIRON	Dec 06 125 ft ENVIRON	Nov 07 125 ft ENVIRON	May 09 127 ft ENVIRON
Trichloroethene	26/31	25	140	34	30,5	12	12	9	13

POHRW2	Jul 13 - ENVIRON
Trichloroethene	0,31 J

IW1	Sep 08 115.5 ft ENVIRON	Sep 08 123 ft ENVIRON	Sep 08 129 ft ENVIRON	Oct 08 136.5 ft ENVIRON
Trichloroethene	12*	12*	11*	11

IW2	Jan 12 175 ft ENVIRON
Trichloroethene	4,6/4,2

POHPT1	Apr 10 135 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	1300**	910 D

POHMW24	Sep 09 99.5 ft ENVIRON	Sep 09 119,5 ft ENVIRON	Sep 09 137 ft ENVIRON	Sep 09 159,5 ft ENVIRON	Sep 09 - ENVIRON	Dec 09 144,5 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	120	130	280	270	300	260	180

PVVTC13	Feb 02 172 ft USEPA	Feb 02 172 ft USEPA	Feb 02 136 ft USEPA	Feb 02 156 ft USEPA	Feb 02 105 ft USEPA	Jun 02 154.89 ft USEPA	May 09 146 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	65 D	48 D	1100 D	960 D	930 D	930 DJ	2600	2200 D

PVVTC07	Apr 00 18,75 ft USEPA	Aug 00 15,42 ft USEPA	Jan 02 15,42 ft USEPA
Trichloroethene	ND	2	0,82

PVVTC14	Oct 01 50 ft USEPA	Jun 02 93 ft USEPA
Trichloroethene	32 D/31	0,2 J

POHMW25	Nov 09 105 ft ENVIRON	Nov 09 125 ft ENVIRON	Nov 09 145 ft ENVIRON	Nov 09 165 ft ENVIRON	Dec 09 165 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	1,9	1,3	76	53	1,5	0,27 J

PVAC105	Jun 02 104 ft USEPA
Trichloroethene	12 J

PVANC32	Nov 01 70 ft USEPA
Trichloroethene	110 D/170 D

POHMW14	Sep 08 132,8 ft ENVIRON	May 09 132,8 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	180	360 J	310

PVANC39	Nov 01 30 ft USEPA	Jun 02 34 ft USEPA
Trichloroethene	100 D/120	140 D

POHMW15	Aug 08 131,5 ft ENVIRON	May 09 131,5 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	360	330	540 D

POHPW6	Dec 08 131 ft ENVIRON	May 09 131 ft ENVIRON	May 09 131 ft ENVIRON	May 09 131 ft ENVIRON	May 09 131 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	320	480*	670*	670*	260	570 D/540 D

PVVAN01	Jun 02 210 ft USEPA	May 09 203 ft ENVIRON
Trichloroethene	64 D	42

PVVAN02	Jun 02 160 ft USEPA	May 09 140 ft ENVIRON
Trichloroethene	16	0,45 J

POHMW13	Sep 06 132 ft ENVIRON	Dec 06 136 ft ENVIRON	Nov 07 136 ft ENVIRON	Mar 09 130 ft ENVIRON	May 09 130 ft ENVIRON	May 09 130 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	4600*	4000 D/4000 D	370 D	260	450	460	720 D

POHMW9	May 92 - ENVIRON	Sep 03 216,8 ft ENVIRON	Sep 03 221,8 ft ENVIRON	Sep 03 226,8 ft ENVIRON	Sep 03 231,8 ft ENVIRON	Sep 03 236,8 ft ENVIRON	Jun 06 236,8 ft ENVIRON	Dec 06 238 ft ENVIRON	Nov 07 238 ft ENVIRON	May 09 232,5 ft ENVIRON
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND/ND	ND

POHMW2	Feb 90 - ENVIRON	Jan 91 - ENVIRON	May 92 - ENVIRON	Sep 03 125,3 ft ENVIRON	Sep 03 130,3 ft ENVIRON	Jun 06 126,5 ft ENVIRON	Dec 06 128 ft ENVIRON	Nov 07 128 ft ENVIRON
Trichloroethene	ND	ND	ND	2,8	3	ND	2,7	52 D

POHMW12	Jun 06 121,5 ft ENVIRON	Jun 06 126,5 ft ENVIRON	Jun 06 131,5 ft ENVIRON	Sep 06 126 ft ENVIRON	Dec 06 133 ft ENVIRON	Nov 07 133 ft ENVIRON	May 09 125 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	9100*+	120*	120*	75	74 D	86 D	100	150

POHMW7	May 92 - ENVIRON	Sep 03 224,8 ft ENVIRON	Sep 03 229,8 ft ENVIRON	Sep 03 234,8 ft ENVIRON	Sep 03 239,8 ft ENVIRON	Jun 06 239,8 ft ENVIRON	Dec 06 241 ft ENVIRON	Nov 07 241 ft ENVIRON	May 09 230 ft ENVIRON
Trichloroethene	240	66	66,1	66,5	66,7	68	16	47 D	45

POHMW17	Nov 08 180 ft ENVIRON	Nov 08 172 ft ENVIRON	Nov 08 164 ft ENVIRON	Nov 08 140 ft ENVIRON	Dec 08 179 ft ENVIRON	May 09 179 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	170*	150*	180*	200*	250	210	150/160

POHMW1	Feb 90 - ENVIRON	Jan 91 - ENVIRON	May 92 - ENVIRON	Sep 03 126,7 ft ENVIRON	Sep 03 131,7 ft ENVIRON	Jun 06 131,7 ft ENVIRON	Dec 06 133 ft ENVIRON	Nov 07 133 ft ENVIRON	May 09 132 ft ENVIRON	Aug 12 - ENVIRON	Aug 12 - ENVIRON
Trichloroethene	ND	ND	ND	ND*	ND*	ND	ND	ND	ND	ND	ND

POHMW5	May 92 - ENVIRON	Sep 03 114,9 ft ENVIRON	Sep 03 119,9 ft ENVIRON	Sep 03 124,9 ft ENVIRON	Sep 03 129,9 ft ENVIRON	Jun 06 129,9 ft ENVIRON	Dec 06 131 ft ENVIRON	Nov 07 131 ft ENVIRON	May 09 120 ft ENVIRON
Trichloroethene	24	56,6	60,2	61,4	61,7	56	48 D	14	56

POHMW16	Oct 08 83 ft ENVIRON	Oct 08 117 ft ENVIRON	Oct 08 145 ft ENVIRON	Oct 08 138 ft ENVIRON	Oct 08 86 ft ENVIRON	Oct 08 126 ft ENVIRON	Oct 08 114 ft ENVIRON	Oct 08 130 ft ENVIRON	May 09 130 ft ENVIRON	Jul 13 - ENVIRON
Trichloroethene	ND	190	210	220	220	370	240	150	280	160

POHMW4	Feb 90 - ENVIRON	Jan 91 - ENVIRON	May 92 - ENVIRON	Sep 99 - ENVIRON	Feb 02 - ENVIRON	Sep 03 124 ft ENVIRON	Sep 03 129 ft ENVIRON	Jun 06 121,5 ft ENVIRON	Dec 06 123 ft ENVIRON	Nov 07 123 ft ENVIRON	Mar 09 126 ft ENVIRON	May 09 126 ft ENVIRON
Trichloroethene	440	490	390	680	320	72,2	74	65	64 D	66 D	160	220

DRAFT

200 0 200 400

SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- BUILDING OUTLINE
- RAILROAD
- FENCE
- APPROXIMATE LOCATION OF USEPA 500 µg/L TCE CONTOUR (BASED ON 2009 DATA)
- APPROXIMATE LOCATION OF ENVIRON 500 MG/L TCE CONTOUR (BASED ON 2009 DATA)
- APPROXIMATE LOCATION OF ENVIRON 500 µg/L TCE CONTOUR (BASED ON 2013 DATA)
- POHMW14 — OU-1 PDI MONITORING WELL
- POHMW5 — PPPI MONITORING WELL
- PVVAN02 — OU1 RI WELL
- IW1 — INJECTION WELL
- RW2 — RECLAMATION WELL
- PW3 — PRODUCTION WELL
- PW6 — EXTRACTION WELL
- PVVTC07 — ABANDONED WELL

NOTES:

* DATA IS FROM SCREENING LEVEL SAMPLES.

\+ DATA INVALID DUE TO PASSIVE DIFFUSION BAG PROCESSING ERROR.

** SCREENING LEVEL DATA (HIGHEST CONCENTRATION)

ABBREVIATIONS

ND	NON-DETECT
J	ESTIMATED CONCENTRATION
D	COMPOUND QUANTITATED ON A DILUTED SAMPLE
E	CONCENTRATION EXCEEDS THE CALIBRATION RANGE OF THE INSTRUMENT
/	SAMPLE CONCENTRATION / DUPLICATE CONCENTRATION

SAMPLE ID	DATE / SAMPLE DEPTH BELOW TOP OF CASING (FEET) / SAMPLED BY
IW2	Jan 12 175 ft ENVIRON
Trichloroethene	4.6/4.2

RESULT (µg/L)

HISTORIC TCE DATA IN TREATMENT AREA

ENVIRON

POHATCONG VALLEY GROUND WATER CONTAMINATION SITE - OU1 TCE GROUND WATER
WARREN COUNTY, NEW JERSEY

PREPARED BY: PB	DATE: 08/27/2013	PLATE 1
DRAFTED BY: PRM/KPM	SCALE: AS SHOWN	
APPROVED BY: PB	PROJECT: 0222518A19	

MBLEI 8/27/13 [0222518_CNCT_TCE_ISOPLETH]
F:\0222518A19_MWR

PROJECT: Pohatcong OU3	SOIL BORING NO: **PPP-SBD-204**
LOCATION: Washington, NJ	
STARTED: 3/3/15 COMPLETED: 3/4/15	NORTHING: 704338.60 Feet EASTING: 358708.36 Feet
DRILLING COMPANY: ADT	G.S. ELEVATION: 545.16 Feet M.P. ELEV:
DRILLING EQUIPMENT: Fraste XL Max	INITIAL DTW: TOTAL DEPTH: 105.0 Feet
DRILLING METHOD: Sonic, 5-inch diameter	LOGGED BY: Alan Eisberg
SAMPLING METHOD: Core Barrel	HORIZONTAL DATUM: , COORD. SYS.: NJ State Plane
SURFACE COMPLETION: Abandoned	VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)
		SC	ASPHALT and stone Dark yellowish brown (10YR4/6) fine to medium SAND, little silty clay, moist.		5	.1	
5			No Recovery		0	NA	540
10		SC	Dark yellowish brown (10YR3/6) fine to medium SAND, little silty clay, moist.		4	0.4	535
		SC	BOULDER, light gray (10YR7/1)				
15		SW	Dark yellowish brown (10YR4/6) fine to coarse SAND, little silty clay, moist.				530
		SW					
		SM	Dark grayish brown (10YR4/2) fine to coarse SAND, little silt, trace fine gravel, moist.		4	0.2	
20		SM	Dark yellowish brown (10YR4/4) decomposed stone, fine to coarse SAND, little fine to coarse gravel, dry.				525
			Dark yellowish brown (10YR4/6) fine to coarse SAND, little silt, trace fine to coarse gravel, moist.		5	0.5	
25			Dark yellowish brown (10YR4/6) fine to medium SAND, little silt, moist.				520
					5	0.3	
30							515
					4	0.5	
		SM	BOULDER, light gray (10YR7/1)				
35		SW	Dark yellowish brown (10YR4/6), fine to coarse sand, little silt, trace fine to coarse gravel, moist.				510
		SM	Dark yellowish brown (10YR3/6) fine to coarse SAND, trace silt, dry.		4		
40		SM	Dark yellowish brown (10YR4/6) fine to coarse SAND, little silt, moist.				505
					5	11	
		SM	Dark yellowish brown (10YR3/6) fine to medium SAND, little silt, moist.				
45			BOULDER, light gray (10YR7/1)				500
		SW	Dark yellowish brown (10YR4/6) fine to medium SAND, little silt, dry.		4	5.5	

CDM Smith
14 Wall Street
Suite 1702
New York, NY 10005
Telephone: 212-785-9123
Fax: 212-227-1692

SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING WITH SAMPLES POHATCONG_VALLEY_2015.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 7/16/15 REV.

PROJECT: Pohatcong OU3
LOCATION: Washington, NJ

SOIL BORING NO: **PPP-SBD-204**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)
		SW	BOULDER, white (10YR8/1)				
			Dark yellowish brown (10YR3/6) fine to coarse SAND, little fine to coarse gravel, trace silt, dry. *(continued)*		5	0.5	
			BOULDER, light gray (10YR7/1)				
55		SM					490
			Yellowish brown (10YR5/3) silty fine SAND, fine to coarse gravel, dry.		5	0.2	
		SM	Dark yellowish brown (10YR3/4) fine to coarse SAND, little silt, little fine to coarse gravel, moist.				
60							485
		SM	Dark yellowish brown (10YR3/6) fine to medium SAND, little silt, moist.		4	0	
65							480
			Dark yellowish brown (10YR3/6) clayey fine to medium SAND, trace fine to coarse gravel, moist.		5	0.1	
70							475
		SC			5	1.5	
75							470
					5	0.2	
80							465
		SC	Dark yellowish brown (10YR3/4) fine to medium SAND, little silty clay, moist.		5	1.0	
		SM	Dark yellowish brown (10YR4/6) fine to coarse SAND, some fine to coarsegravel, little silt, moist.				
85							460
		SC	Dark yellowish brown (10YR4/6) fine to medium SAND, some silty clay, moist.		5	0.8	
		SM	Dark yellowish brown (10YR3/6) fine to coarse SAND, little fine to coarse gravel, little silt, moist.				
90							455
					5	1.0	
		SC	Dark yellowish brown (10YR4/6) silty fine SAND, moist.				
95							450
		SM	BOULDER, light gray (10YR7/1)				
		SM	White (10YR8/1) silty fine SAND, moist.		5	1.8	
			Dark yellowish brown (10YR4/6) fine to medium SAND, little silt, dry.				
100		SM					445
		SM	Dark yellowish brown (10YR4/6) silty fine SAND, moist.		5	1	
			BOULDER, white (10YR8/1)				

CDM Smith
14 Wall Street
Suite 1702
New York, NY 10005
Telephone: 212-785-9123
Fax: 212-227-1692

SOIL BORING LOG

PROJECT NO.

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PROJECT: Pohatcong OU3

LOCATION: Washington, NJ

SOIL BORING NO: **PPP-SBD-204**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)
			Dark yellowish brown (10YR4/6) silty fine SAND, moist.				
			Bedrock, white (10YR8/1)				
110							435
115							430
120							425
125							420
130							415
135							410
140							405
145							400
150							395
155							390

STANDARD LOG: DPT BORING WITH SAMPLES POHATCONG VALLEY 2015.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 7/16/15 REV.

CDM Smith
14 Wall Street
Suite 1702
New York, NY 10005
Telephone: 212-785-9123
Fax: 212-227-1692

SOIL BORING LOG

PROJECT NO.

PROJECT: Pohatcong OU3	SOIL BORING NO: **PPP-SBD-205**
LOCATION: Washington, NJ	
STARTED: 3/2/15 COMPLETED: 3/2/15	NORTHING: 704338.21 Feet EASTING: 358777.15 Feet
DRILLING COMPANY: ADT	G.S. ELEVATION: 545.81 Feet M.P. ELEV:
DRILLING EQUIPMENT: Fraste XL Max	INITIAL DTW: TOTAL DEPTH: 125.0 Feet
DRILLING METHOD: Sonic, 5-inch diameter	LOGGED BY: Alan Eisberg
SAMPLING METHOD: Core Barrel	HORIZONTAL DATUM: , COORD. SYS.: NJ State Plane
SURFACE COMPLETION: Abandoned	VERTICAL DATUM: NAVD88

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)
			ASPHALT and crushed stone base				545
		SC	Dark yellowish brown (10YR4/6) fine to coarse SAND, little silty clay, moist.		2.5	0	
5							540
					2.5	0	
10		SC	Yellowish brown (10YR5/6) clayey fine to medium SAND, trace fine gravel, moist		5	0	535
		SW	Yellowish brown (10YR5/6) fine to coarse SAND, trace silt, moist.				
15		SC	Yellowish brown (10YR5/6) Clayey fine to coarse SAND, trace fine to coarse gravel, moist.		5	0	530
20		SC	Yellowish brown (10YR5/6) fine to coarse sand, little silty clay, trace fine to coarse gravel, wet mica in sample.		4	0	525
25							520
			BOULDER, light gray (10YR7/1)		5	0.6	
30		SM	Yellowish brown (10YR5/6) fine to coarse SAND, little fine to coarse gravel, dry, mica in sample.				515
			BOULDER, light gray (10YR7/1)		4	0	
		SW	Yellowish brown (10YR5/6) fine to coarse SAND and fine to coarse gravel, dry.				
35		CL					510
		SC	gray (10YR5/1) CLAY, trace fine to coarse sand.		5	19.5	
			Dark yellowish brown (10YR3/6) clayey fine to medium SAND, trace fine gravel, moist.				
40		SC	BOULDER, light gray (10YR7/1)				505
		SW	Dark yellowish brown (10YR3/6) clayey fine to medium SAND, trace fine gravel, moist.		5	0	
45			BOULDER, light gray (10YR7/1)				500
		SW	Dark yellowish brown (10YR4/6) fine to coarse SAND, moist.		5	26	
			BOULDER, light gray (10YR7/1)				

CDM Smith
14 Wall Street
Suite 1702
New York, NY 10005
Telephone: 212-785-9123
Fax: 212-227-1692

SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING WITH SAMPLES POHATCONG_VALLEY_2015.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 7/16/15 REV.

PROJECT: Pohatcong OU3

LOCATION: Washington, NJ

SOIL BORING NO: **PPP-SBD-205**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)
		SW	Dark yellowish brown (10YR4/6) fine to coarse SAND, little fine gravel, moist. Dark yellowish brown (10YR4/6) silty fine to medium SAND, moist.		4	3	495
55							490
		SW	BOULDER, light gray (10YR7/1) Dark yellowish brown (10YR4/6) silty fine to coarse SAND, little fine to medium gravel, moist.		5	.5	
60							485
		SW	BOULDER, light gray (10YR7/1) Dark yellowish brown (10YR3/4) fine to coarse SAND, some fine to coarse gravel, trace silt, moist.		5	1.5	
65		SM	Dark yellowish brown (10YR4/6) fine to coarse SAND, little silt, trace fine gravel, moist.		5	0.2	480
		SM	BOULDER, light gray (10YR7/1)				
70		SM	Yellowish brown (10YR5/4) fine to medium SAND, moist. Dark yellowish brown (10YR4/4) fine to medium SAND, little silt.		5	1.3	475
75							470
			BOULDER, light gray (10YR7/1)		5	0.5	
80		SM	Dark yellowish brown (10YR4/6) fine to coarse SAND, little silt, moist.		5	0.3	465
85		SP	Very pale brown (10YR7/3) granite. Dark yellowish brown (10YR4/6) fine to medium SAND, trace silt, moist.		5	0.2	460
			BOULDER, light gray (10YR7/1)				
90		SP	Dark yellowish brown (10YR4/6) fine to medium SAND, trace fine to medium gravel, trace silt, moist.		5	0.2	455
95			BOULDER, light gray (10YR7/1)				450
		SP	Yellowish brown (10YR5/6) fine SAND, little silt, moist.		5	0	
100		SM	Yellowish brown (10YR5/6) silty fine SAND, moist.		5	0.5	445

CDM Smith
14 Wall Street
Suite 1702
New York, NY 10005
Telephone: 212-785-9123
Fax: 212-227-1692

SOIL BORING LOG

PROJECT NO.

STANDARD LOG: DPT BORING WITH SAMPLES POHATCONG VALLEY 2015.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 7/16/15 REV.

PROJECT: Pohatcong OU3

LOCATION: Washington, NJ

SOIL BORING NO: **PPP-SBD-205**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION (Sampler Length: 5 Feet)	LITHOLOGIC SAMPLE	RECOV. (feet)	PID (ppm)	ELEV. (ft)
			Yellowish brown (10YR5/6) silty fine SAND, moist. *(continued)*		5	14.7	440
110		SM			2	0.4	435
115		ML	Light yellowish brown(10YR6/4) clayey SILT, little fine to coarse sand, trace fine to medium gravel, moist.		4	0.3	430
			White (10YR8/1) weathered bedrock.				
120			White (10YR8/1) weathered bedrock.		5	0.2	425
		SM					
125			Pale brown (10YR6/3) silty fine SAND, dry.				420
			White (10YR8/1) weathered bedrock.				
130							415
135							410
140							405
145							400
150							395
155							390

STANDARD LOG: DPT BORING WITH SAMPLES POHATCONG VALLEY 2015.GPJ STANDARD_ENVIRONMENTAL_PROJECT.GDT 7/16/15 REV.

CDM Smith
14 Wall Street
Suite 1702
New York, NY 10005
Telephone: 212-785-9123
Fax: 212-227-1692

SOIL BORING LOG

PROJECT NO.

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204	
					Sample Code	PPP-SBD-204-A		PPP-SBD-204-B		PPP-SBD-204-C		PPP-SBD-204-D		PPP-SBD-204-E		PPP-SBD-204-F		PPP-SBD-204-G		PPP-SBD-204-H	
					Sample Date	3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015	
					Start Depth	0		4		10		20		30		40		50		60	
					End Depth	2		5		12		22		32		42		52		62	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code																
CAS	Chemical	Units	NRDC	RDC	RI SOIL																
Pohatcong-Voas																					
71-55-6	1,1,1-Trichloroethane	ug/kg	4200000	**290000**	*300*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3000	**1000**	*7*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	---	**---**	*40000000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
79-00-5	1,1,2-Trichloroethane	ug/kg	6000	**2000**	*20*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-34-3	1,1-Dichloroethane	ug/kg	24000	**8000**	*200*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-35-4	1,1-Dichloroethene	ug/kg	150000	**11000**	*8*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
87-61-6	1,2,3-Trichlorobenzene	ug/kg	---	**---**	*20000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
120-82-1	1,2,4-Trichlorobenzene	ug/kg	820000	**73000**	*700*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ug/kg	200	**80**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
106-93-4	1,2-Dibromoethane	ug/kg	40	**8**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
95-50-1	1,2-Dichlorobenzene	ug/kg	59000000	**5300000**	*2960*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
107-06-2	1,2-Dichloroethane	ug/kg	3000	**900**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
78-87-5	1,2-Dichloropropane	ug/kg	5000	**2000**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
541-73-1	1,3-Dichlorobenzene	ug/kg	59000000	**5300000**	*19000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
106-46-7	1,4-Dichlorobenzene	ug/kg	13000	**5000**	*2000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
123-91-1	1,4-Dioxane	ug/kg	---	**---**	*2050*	93	R	96	R	96	R	96	R	85	R	100	R	89	R	89	R
78-93-3	2-Butanone	ug/kg	44000000	**3100000**	*900*	9.3	U	9.6	U	4.1	J	9.6	U	8.5	U	10	U	8.9	U	8.9	U
591-78-6	2-Hexanone	ug/kg	---	**---**	*12600*	9.3	U	9.6	U	9.6	U	9.6	U	8.5	U	10	U	8.9	U	8.9	U
108-10-1	4-Methyl-2-pentanone	ug/kg	---	**---**	*443000*	9.3	U	9.6	U	9.6	U	9.6	U	8.5	U	10	U	8.9	U	8.9	U
67-64-1	Acetone	ug/kg	---	**70000000**	*2500*	9.3	U	9.6	U	16		6.2	J	8.5	U	21		5.6	J	8.9	U
71-43-2	Benzene	ug/kg	5000	**2000**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
74-97-5	Bromochloromethane	ug/kg	---	**---**	*150000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-27-4	Bromodichloromethane	ug/kg	3000	**1000**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-25-2	Bromoform	ug/kg	280000	**81000**	*30*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
74-83-9	Bromomethane	ug/kg	59000	**25000**	*40*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-15-0	Carbon Disulfide	ug/kg	110000000	**7800000**	*94*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
56-23-5	Carbon Tetrachloride	ug/kg	2000	**600**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
108-90-7	Chlorobenzene	ug/kg	7400000	**510000**	*600*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-00-3	Chloroethane	ug/kg	1100000	**220000**	*220000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
67-66-3	Chloroform	ug/kg	2000	**600**	*320*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
74-87-3	Chloromethane	ug/kg	12000	**4000**	*4000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
156-59-2	cis-1,2-Dichloroethene	ug/kg	560000	**230000**	*300*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
10061-01-5	cis-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
110-82-7	Cyclohexane	ug/kg	---	**---**	*6500000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
124-48-1	Dibromochloromethane	ug/kg	8000	**3000**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-71-8	Dichlorodifluoromethane	ug/kg	230000000	**490000**	*39000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
100-41-4	Ethylbenzene	ug/kg	110000000	**7800000**	*5160*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
98-82-8	Isopropylbenzene	ug/kg	---	**---**	*1900000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
179601-23-1	m,p-Xylene	ug/kg	---	**---**	---	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
79-20-9	Methyl acetate	ug/kg	---	**78000000**	*22000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
1634-04-4	Methyl tert-Butyl Ether	ug/kg	320000	**110000**	*200*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
108-87-2	Methylcyclohexane	ug/kg	---	**---**	---	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-09-2	Methylene Chloride	ug/kg	97000	**34000**	*10*	4.6	U	4.8	U	4.8	U	1.1	J	0.77	J	3.4	J	1.8	J	1.1	J
95-47-6	o-Xylene	ug/kg	---	**---**	---	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
100-42-5	Styrene	ug/kg	260000	**90000**	*3000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
127-18-4	Tetrachloroethene	ug/kg	5000	**2000**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
108-88-3	Toluene	ug/kg	91000000	**6300000**	*7000*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
156-60-5	trans-1,2-Dichloroethene	ug/kg	720000	**300000**	*600*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
10061-02-6	trans-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
79-01-6	Trichloroethene	ug/kg	20000	**7000**	*10*	0.98	J	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-69-4	Trichlorofluoromethane	ug/kg	340000000	**23000000**	*16400*	4.6	U	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
75-01-4	Vinyl Chloride	ug/kg	2000	**700**	*5*	4.6	UJ	4.8	U	4.8	U	4.8	U	4.2	U	5.1	U	4.5	U	4.5	U
Pohatcong-Svoas																					
92-52-4	1,1'-Biphenyl	ug/kg	34000000	**3100000**	*47000*	190	U	200	U					190	U					190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/kg	---	**---**	*2020*	190	U	200	U					190	U					190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	ug/kg	67000	**23000**	*4900*	190	U	200	U					190	U					190	U
58-90-2	2,3,4,6-Tetrachlorophenol	ug/kg	---	**---**	*199*	190	U	200	U					190	U					190	U
95-95-4	2,4,5-Trichlorophenol	ug/kg	68000000	**6100000**	*9000*	190	U	200	U					190	U					190	U
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*	190	U	200	U					190	U					190	U
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204	
					Sample Code	PPP-SBD-204-A		PPP-SBD-204-B		PPP-SBD-204-C		PPP-SBD-204-D		PPP-SBD-204-E		PPP-SBD-204-F		PPP-SBD-204-G		PPP-SBD-204-H	
					Sample Date	3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015	
					Start Depth	0		4		10		20		30		40		50		60	
					End Depth	2		5		12		22		32		42		52		62	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code																
CAS	Chemical	Units	NRDC	RDC	RI SOIL																
120-83-2	2,4-Dichlorophenol	ug/kg	2100000	**180000**	*200*	190	U	200	U					190	U					190	U
105-67-9	2,4-Dimethylphenol	ug/kg	14000000	**1200000**	*10*	190	U	200	U					190	U					190	U
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*	380	U	380	U					370	U					370	U
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*																
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*	190	U	200	U					190	U					190	U
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*																
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*	190	U	200	U					190	U					190	U
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*																
91-58-7	2-Chloronaphthalene	ug/kg	---	**---**	*12.2*	190	U	200	U					190	U					190	U
95-57-8	2-Chlorophenol	ug/kg	2200000	**310000**	*243*	190	U	200	U					190	U					190	U
91-57-6	2-Methylnaphthalene	ug/kg	2400000	**230000**	*3240*	190	U	200	U					190	U					190	U
95-48-7	2-Methylphenol	ug/kg	3400000	**310000**	*40400*	190	U	200	U					190	U					190	U
88-74-4	2-Nitroaniline	ug/kg	23000000	**39000**	*39000*	380	U	380	U					370	U					370	U
88-75-5	2-Nitrophenol	ug/kg	---	**---**	*1600*	190	U	200	U					190	U					190	U
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*	190	U	200	U					190	U					190	U
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*																
99-09-2	3-Nitroaniline	ug/kg	---	**---**	*3160*	380	U	380	U					370	U					370	U
534-52-1	4,6-Dinitro-2-methylphenol	ug/kg	68000	**6000**	*144*	380	U	380	U					370	U					370	U
101-55-3	4-Bromophenyl-phenylether	ug/kg	---	**---**	*---*	190	U	200	U					190	U					190	U
59-50-7	4-Chloro-3-methylphenol	ug/kg	---	**---**	*7950*	190	U	200	U					190	U					190	U
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*	190	U	200	U					190	U					190	U
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*																
7005-72-3	4-Chlorophenyl-phenylether	ug/kg	---	**---**	*---*	190	U	200	U					190	U					190	U
106-44-5	4-Methylphenol	ug/kg	340000	**31000**	*31000*	190	U	200	U					190	U					190	U
100-01-6	4-Nitroaniline	ug/kg	---	**---**	*21900*	380	U	380	U					370	U					370	U
100-02-7	4-Nitrophenol	ug/kg	---	**---**	*7000*	380	U	380	U					370	U					370	U
83-32-9	Acenaphthene	ug/kg	37000000	**3400000**	*29000*	190	U	200	U					190	U					190	U
208-96-8	Acenaphthylene	ug/kg	300000000	**---**	*29000*	190	U	200	U					190	U					190	U
98-86-2	Acetophenone	ug/kg	5000	**2000**	*2000*	190	U	200	U					190	U					190	U
120-12-7	Anthracene	ug/kg	30000000	**17000000**	*29000*	190	U	200	U					190	U					190	U
1912-24-9	Atrazine	ug/kg	2400000	**210000**	*200*	190	U	200	U					190	U					190	U
100-52-7	Benzaldehyde	ug/kg	68000000	**6100000**	*6100000*	190	U	200	U					190	U					190	U
56-55-3	Benzo(a)anthracene	ug/kg	2000	**600**	*150*	190	U	200	U					190	U					190	U
50-32-8	Benzo(a)pyrene	ug/kg	200	**200**	*15*	190	U	200	U					190	U					190	U
205-99-2	Benzo(b)fluoranthene	ug/kg	2000	**600**	*150*	190	U	200	U					190	U					190	U
191-24-2	Benzo(g,h,i)perylene	ug/kg	30000000	**380000000**	*1100*	190	U	200	U					190	U					190	U
207-08-9	Benzo(k)fluoranthene	ug/kg	23000	**6000**	*1100*	190	U	200	U					190	U					190	U
111-91-1	Bis(2-chloroethoxy)methane	ug/kg	---	**---**	*302*	190	U	200	U					190	U					190	U
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*	190	U	200	U					190	U					190	U
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*																
117-81-7	Bis(2-ethylhexyl)phthalate	ug/kg	140000	**35000**	*925*	190	U	200	U					190	U					190	U
85-68-7	Butylbenzylphthalate	ug/kg	14000000	**1200000**	*239*	190	U	200	U					190	U					190	U
105-60-2	Caprolactam	ug/kg	340000000	**31000000**	*12000*	190	U	200	U					190	U					190	U
86-74-8	Carbazole	ug/kg	96000	**24000**	*24000*	190	U	200	U					190	U					190	U
218-01-9	Chrysene	ug/kg	230000	**62000**	*1100*	190	U	200	U					190	U					190	U
53-70-3	Dibenzo(a,h)anthracene	ug/kg	200	**200**	*15*	190	U	200	U					190	U					190	U
132-64-9	Dibenzofuran	ug/kg	---	**---**	*72000*	190	U	200	U					190	U					190	U
84-66-2	Diethylphthalate	ug/kg	550000000	**49000000**	*88000*	190	U	200	U					190	U					190	U
131-11-3	Dimethylphthalate	ug/kg	---	**---**	*734000*	190	U	200	U					190	U					190	U
84-74-2	Di-n-butylphthalate	ug/kg	68000000	**6100000**	*200000*	190	U	200	U					190	U					190	U
117-84-0	Di-n-octylphthalate	ug/kg	27000000	**2400000**	*620000*	190	U	200	U					190	U					190	U
206-44-0	Fluoranthene	ug/kg	24000000	**2300000**	*1100*	190	U	200	U					190	U					190	U
86-73-7	Fluorene	ug/kg	24000000	**2300000**	*29000*	190	U	200	U					190	U					190	U
118-74-1	Hexachlorobenzene	ug/kg	1000	**300**	*199*	190	U	200	U					190	U					190	U
87-68-3	Hexachlorobutadiene	ug/kg	25000	**6000**	*39.8*	190	U	200	U					190	U					190	U
77-47-4	Hexachlorocyclopentadiene	ug/kg	110000	**45000**	*10000*	190	U	200	U					190	U					190	U
67-72-1	Hexachloroethane	ug/kg	140000	**35000**	*200*	190	U	200	U					190	U					190	U
193-39-5	Indeno(1,2,3-cd)pyrene	ug/kg	2000	**600**	*150*	190	U	200	U					190	U					190	U
78-59-1	Isophorone	ug/kg	2000000	**510000**	*200*	190	U	200	U					190	U					190	U
91-20-3	Naphthalene	ug/kg	17000	**6000**	*3800*	190	U	200	U					190	U					190	U
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*	190	U	200	U					190	U					190	U

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204	
					Sample Code	PPP-SBD-204-A		PPP-SBD-204-B		PPP-SBD-204-C		PPP-SBD-204-D		PPP-SBD-204-E		PPP-SBD-204-F		PPP-SBD-204-G		PPP-SBD-204-H	
					Sample Date	3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015	
					Start Depth	0		4		10		20		30		40		50		60	
					End Depth	2		5		12		22		32		42		52		62	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code																
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*																
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*																
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*	190	U	200	U					190	U					190	U
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*																
86-30-6	N-Nitrosodiphenylamine	ug/kg	390000	**99000**	*400*	190	U	200	U					190	U					190	U
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*	380	U	380	U					370	U					370	U
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*																
85-01-8	Phenanthrene	ug/kg	300000000	**---**	*29000*	190	U	200	U					190	U					190	U
108-95-2	Phenol	ug/kg	210000000	**18000000**	*8000*	190	U	200	U					190	U					190	U
129-00-0	Pyrene	ug/kg	18000000	**1700000**	*1100*	190	U	200	U					190	U					190	U
Pohatcong-Pesticides-PCBs																					
72-54-8	4,4'-DDD	ug/kg	13000	**3000**	*21*	3.7	U	3.8	U					3.8	U					3.7	U
72-55-9	4,4'-DDE	ug/kg	9000	**2000**	*21*	3.7	U	3.8	U					3.8	U					3.7	U
50-29-3	4,4'-DDT	ug/kg	8000	**2000**	*21*	3.7	U	3.8	U					3.8	U					3.7	U
309-00-2	Aldrin	ug/kg	200	**40**	*3.32*	1.9	U	2	U					2	U					1.9	U
319-84-6	alpha-BHC	ug/kg	500	**100**	*2*	1.9	U	2	U					2	U					1.9	U
5103-71-9	alpha-Chlordane	ug/kg	1000	**200**	*50*	1.9	U	2	U					2	U					1.9	U
319-85-7	beta-BHC	ug/kg	2000	**400**	*2*	1.9	U	2	U					2	U					1.9	U
319-86-8	delta-BHC	ug/kg	---	**---**	*300*	1.9	U	2	U					2	U					1.9	U
60-57-1	Dieldrin	ug/kg	200	**40**	*3*	3.7	U	3.8	U					3.8	U					3.7	U
959-98-8	Endosulfan I	ug/kg	6800000	**470000**	*119*	1.9	U	2	U					2	U					1.9	U
33213-65-9	Endosulfan II	ug/kg	6800000	**470000**	*119*	3.7	U	3.8	U					3.8	U					3.7	U
1031-07-8	Endosulfan Sulfate	ug/kg	6800000	**470000**	*35.8*	3.7	U	3.8	U					3.8	U					3.7	U
72-20-8	Endrin	ug/kg	340000	**23000**	*10.1*	3.7	U	3.8	U					3.8	U					3.7	U
7421-93-4	Endrin aldehyde	ug/kg	---	**---**	*10.5*	3.7	U	3.8	U					3.8	U					3.7	U
53494-70-5	Endrin Ketone	ug/kg	---	**---**	*18000*	3.7	U	3.8	U					3.8	U					3.7	U
58-89-9	gamma-BHC (Lindane)	ug/kg	2000	**400**	*2*	1.9	U	2	U					2	U					1.9	U
5103-74-2	gamma-Chlordane	ug/kg	1000	**200**	*50*	1.9	U	2	U					2	U					1.9	U
76-44-8	Heptachlor	ug/kg	700	**100**	*5.98*	1.9	U	2	U					2	U					1.9	U
1024-57-3	Heptachlor Epoxide	ug/kg	300	**70**	*10*	1.9	U	2	U					2	U					1.9	U
72-43-5	Methoxychlor	ug/kg	5700000	**390000**	*19.9*	19	U	20	U					20	U					19	U
8001-35-2	Toxaphene	ug/kg	3000	**600**	*119*	190	U	200	U					200	U					190	U
12674-11-2	Aroclor 1016	ug/kg	1000	**200**	*200*	38	U	38	U					38	U					37	U
11104-28-2	Aroclor 1221	ug/kg	1000	**200**	*150*	38	U	38	U					38	U					37	U
11141-16-5	Aroclor 1232	ug/kg	1000	**200**	*150*	38	U	38	U					38	U					37	U
53469-21-9	Aroclor 1242	ug/kg	1000	**200**	*200*	38	U	38	U					38	U					37	U
12672-29-6	Aroclor 1248	ug/kg	1000	**200**	*200*	38	U	38	U					38	U					37	U
11097-69-1	Aroclor 1254	ug/kg	1000	**200**	*200*	38	U	38	U					38	U					37	U
11096-82-5	Aroclor 1260	ug/kg	1000	**200**	*200*	38	U	38	U					38	U					37	U
37324-23-5	Aroclor 1262	ug/kg	1000	**200**	*200*	38	U	38	U					38	U					37	U
11100-14-4	Aroclor 1268	ug/kg	1000	**200**	*200*	38	U	38	U					38	U					37	U
Pohatcong-Inorganics																					
7429-90-5	Aluminum	mg/kg	---	**78000**	*6000*																
7440-36-0	Antimony	mg/kg	450	**31**	*0.27*																
7440-38-2	Arsenic	mg/kg	19	**19**	*0.67*																
7440-39-3	Barium	mg/kg	59000	**16000**	*330*																
7440-41-7	Beryllium	mg/kg	140	**16**	*0.7*																
7440-43-9	Cadmium	mg/kg	78	**78**	*0.36*																
7440-70-2	Calcium	mg/kg	---	**---**	*---*																
7440-47-3	Chromium	mg/kg	---	**---**	*26*																
7440-48-4	Cobalt	mg/kg	590	**1600**	*13*																
7440-50-8	Copper	mg/kg	45000	**3100**	*28*																
57-12-5	Cyanide	mg/kg	23000	**1600**	*1.33*																
7439-89-6	Iron	mg/kg	---	**---**	*55000*																
7439-92-1	Lead	mg/kg	800	**400**	*11*																
7439-95-4	Magnesium	mg/kg	---	**---**	*---*																
7439-96-5	Manganese	mg/kg	5900	**11000**	*65*																
7439-97-6	Mercury	mg/kg	65	**23**	*0.00051*																
7440-02-0	Nickel	mg/kg	23000	**1600**	*38*																
7440-09-7	Potassium	mg/kg	---	**---**	*---*																
7782-49-2	Selenium	mg/kg	5700	**390**	*0.52*																
7440-22-4	Silver	mg/kg	5700	**390**	*1*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204
					Sample Code	PPP-SBD-204-A	PPP-SBD-204-B	PPP-SBD-204-C	PPP-SBD-204-D	PPP-SBD-204-E	PPP-SBD-204-F	PPP-SBD-204-G	PPP-SBD-204-H
					Sample Date	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015
					Start Depth	0	4	10	20	30	40	50	60
					End Depth	2	5	12	22	32	42	52	62
					Depth Unit	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs
					Parent Sample Code								
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*								
7440-23-5	Sodium	mg/kg	---	**---**	---								
7440-28-0	Thallium	mg/kg	79	**5**	*0.78*								
7440-62-2	Vanadium	mg/kg	1100	**78**	*7.8*								
7440-66-6	Zinc	mg/kg	110000	**23000**	*46*								
Pohatcong-Geotechnical													
DUW	Dry Unit Weight	pcf	---	**---**	---								
MOIST	MOISTURE	%	---	**---**	---								
PERM	Permeability	cm/sec	---	**---**	---								
POROSITY	Porosity	%	---	**---**	---								
SOLID	Solids, Percent	%	---	**---**	---								
SG	Specific Gravity	sg	---	**---**	---								
TOC	Total Organic Carbon	mg/kg	---	**---**	---								

Notes:

ug/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
%	percent
cm/sec	centimeter per second
ft	feet
NJDEP	New Jersey Department of Environmental Protection
NJDEP NRDC	Non-residential Direct Contact Screening Criteria
NJDEP RDC	Residential Direct Contact Screening Criteria
pcf	per cubic feet

Cells highlighted blue indicate exceedance of NJDEP NRDC.

Cells bolded indicate exceedance of NJDEP NRDC.

Cells italicized indicate exceedance of NJDEP NRDC.

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205	
					Sample Code	PPP-SBD-204-I		PPP-SBD-9204-I		PPP-SBD-204-J		PPP-SBD-204-K		PPP-SBD-204-L		PPP-SBD-205-A		PPP-SBD-205-B		PPP-SBD-205-C	
					Sample Date	3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/2/2015		3/2/2015		3/2/2015	
					Start Depth	70		70		80		91		101.5		1		5		10	
					End Depth	72		72		82		93		102		3		7		12	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code			PPP-SBD-204-I													
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*																
Pohatcong-Voas																					
71-55-6	1,1,1-Trichloroethane	ug/kg	4200000	**290000**	*300*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3000	**1000**	*7*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	---	**---**	*40000000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
79-00-5	1,1,2-Trichloroethane	ug/kg	6000	**2000**	*20*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-34-3	1,1-Dichloroethane	ug/kg	24000	**8000**	*200*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-35-4	1,1-Dichloroethene	ug/kg	150000	**11000**	*8*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
87-61-6	1,2,3-Trichlorobenzene	ug/kg	---	**---**	*20000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
120-82-1	1,2,4-Trichlorobenzene	ug/kg	820000	**73000**	*700*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ug/kg	200	**80**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
106-93-4	1,2-Dibromoethane	ug/kg	40	**8**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
95-50-1	1,2-Dichlorobenzene	ug/kg	59000000	**5300000**	*2960*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
107-06-2	1,2-Dichloroethane	ug/kg	3000	**900**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
78-87-5	1,2-Dichloropropane	ug/kg	5000	**2000**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
541-73-1	1,3-Dichlorobenzene	ug/kg	59000000	**5300000**	*19000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
106-46-7	1,4-Dichlorobenzene	ug/kg	13000	**5000**	*2000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
123-91-1	1,4-Dioxane	ug/kg	---	**---**	*2050*	100	R	100	R	84	R	75	R	120	R	92	R	93	R	92	R
78-93-3	2-Butanone	ug/kg	44000000	**3100000**	*900*	10	U	10	U	8.4	U	7.5	U	12	U	9.2	U	9.3	U	9.2	U
591-78-6	2-Hexanone	ug/kg	---	**---**	*12600*	10	U	10	U	8.4	U	7.5	U	12	U	9.2	U	9.3	U	9.2	U
108-10-1	4-Methyl-2-pentanone	ug/kg	---	**---**	*443000*	10	U	10	U	8.4	U	7.5	U	12	U	9.2	U	9.3	U	9.2	U
67-64-1	Acetone	ug/kg	---	**70000000**	*2500*	7.2	J	8.1	J	8.4	U	5.1	J	12	U	9.2	U	9.3	U	9.2	U
71-43-2	Benzene	ug/kg	5000	**2000**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
74-97-5	Bromochloromethane	ug/kg	---	**---**	*150000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-27-4	Bromodichloromethane	ug/kg	3000	**1000**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-25-2	Bromoform	ug/kg	280000	**81000**	*30*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
74-83-9	Bromomethane	ug/kg	59000	**25000**	*40*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-15-0	Carbon Disulfide	ug/kg	110000000	**7800000**	*94*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
56-23-5	Carbon Tetrachloride	ug/kg	2000	**600**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
108-90-7	Chlorobenzene	ug/kg	7400000	**510000**	*600*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-00-3	Chloroethane	ug/kg	1100000	**220000**	*220000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
67-66-3	Chloroform	ug/kg	2000	**600**	*320*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
74-87-3	Chloromethane	ug/kg	12000	**4000**	*4000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
156-59-2	cis-1,2-Dichloroethene	ug/kg	560000	**230000**	*300*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
10061-01-5	cis-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
110-82-7	Cyclohexane	ug/kg	---	**---**	*6500000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
124-48-1	Dibromochloromethane	ug/kg	8000	**3000**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-71-8	Dichlorodifluoromethane	ug/kg	230000000	**490000**	*39000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
100-41-4	Ethylbenzene	ug/kg	110000000	**7800000**	*5160*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
98-82-8	Isopropylbenzene	ug/kg	---	**---**	*1900000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
179601-23-1	m,p-Xylene	ug/kg	---	**---**	---	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
79-20-9	Methyl acetate	ug/kg	---	**78000000**	*22000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
1634-04-4	Methyl tert-Butyl Ether	ug/kg	320000	**110000**	*200*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
108-87-2	Methylcyclohexane	ug/kg	---	**---**	---	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-09-2	Methylene Chloride	ug/kg	97000	**34000**	*10*	1.6	J	5	U	0.72	J	2.2	J	2	J	3.2	J	2.4	J	3.1	J
95-47-6	o-Xylene	ug/kg	---	**---**	---	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
100-42-5	Styrene	ug/kg	260000	**90000**	*3000*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
127-18-4	Tetrachloroethene	ug/kg	5000	**2000**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
108-88-3	Toluene	ug/kg	91000000	**6300000**	*7000*	5.1	U	1	J	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
156-60-5	trans-1,2-Dichloroethene	ug/kg	720000	**300000**	*600*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
10061-02-6	trans-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
79-01-6	Trichloroethene	ug/kg	20000	**7000**	*10*	0.92	J	5	U	1.5	J	3.7	U	1.7	J	4.6	U	4.6	U	4.6	U
75-69-4	Trichlorofluoromethane	ug/kg	340000000	**23000000**	*16400*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
75-01-4	Vinyl Chloride	ug/kg	2000	**700**	*5*	5.1	U	5	U	4.2	U	3.7	U	6	U	4.6	U	4.6	U	4.6	U
Pohatcong-Svoas																					
92-52-4	1,1'-Biphenyl	ug/kg	34000000	**3100000**	*47000*							190	U			210	U	200	U		
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/kg	---	**---**	*2020*							190	U			210	U	200	U		
108-60-1	2,2'-Oxybis(1-chloropropane)	ug/kg	67000	**23000**	*4900*							190	U			210	U	200	U		
58-90-2	2,3,4,6-Tetrachlorophenol	ug/kg	---	**---**	*199*							190	U			210	U	200	U		
95-95-4	2,4,5-Trichlorophenol	ug/kg	68000000	**6100000**	*9000*							190	U			210	U	200	U		
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*							190	U			210	U	200	U		
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205
					Sample Code	PPP-SBD-204-I	PPP-SBD-9204-I	PPP-SBD-204-J	PPP-SBD-204-K	PPP-SBD-204-L	PPP-SBD-205-A	PPP-SBD-205-B	PPP-SBD-205-C
					Sample Date	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/2/2015	3/2/2015	3/2/2015
					Start Depth	70	70	80	91	101.5	1	5	10
					End Depth	72	72	82	93	102	3	7	12
					Depth Unit	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs
					Parent Sample Code		PPP-SBD-204-I						
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*								
120-83-2	2,4-Dichlorophenol	ug/kg	2100000	**180000**	*200*				190 U		210 U	200 U	
105-67-9	2,4-Dimethylphenol	ug/kg	14000000	**1200000**	*10*				190 U		210 U	200 U	
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*				370 U		410 U	380 U	
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*								
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*				190 U		210 U	200 U	
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*								
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*				190 U		210 U	200 U	
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*								
91-58-7	2-Chloronaphthalene	ug/kg	---	**---**	*12.2*				190 U		210 U	200 U	
95-57-8	2-Chlorophenol	ug/kg	2200000	**310000**	*243*				190 U		210 U	200 U	
91-57-6	2-Methylnaphthalene	ug/kg	2400000	**230000**	*3240*				190 U		210 U	200 U	
95-48-7	2-Methylphenol	ug/kg	3400000	**310000**	*40400*				190 U		210 U	200 U	
88-74-4	2-Nitroaniline	ug/kg	23000000	**39000**	*39000*				370 U		410 U	380 U	
88-75-5	2-Nitrophenol	ug/kg	---	**---**	*1600*				190 U		210 U	200 U	
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*				190 U		210 U	200 U	
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*								
99-09-2	3-Nitroaniline	ug/kg	---	**---**	*3160*				370 U		410 U	380 U	
534-52-1	4,6-Dinitro-2-methylphenol	ug/kg	68000	**6000**	*144*				370 U		410 U	380 U	
101-55-3	4-Bromophenyl-phenylether	ug/kg	---	**---**	*---*				190 U		210 U	200 U	
59-50-7	4-Chloro-3-methylphenol	ug/kg	---	**---**	*7950*				190 U		210 U	200 U	
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*				190 U		210 U	200 U	
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*								
7005-72-3	4-Chlorophenyl-phenylether	ug/kg	---	**---**	*---*				190 U		210 U	200 U	
106-44-5	4-Methylphenol	ug/kg	340000	**31000**	*31000*				190 U		210 U	200 U	
100-01-6	4-Nitroaniline	ug/kg	---	**---**	*21900*				370 U		410 U	380 U	
100-02-7	4-Nitrophenol	ug/kg	---	**---**	*7000*				370 U		410 U	380 U	
83-32-9	Acenaphthene	ug/kg	37000000	**3400000**	*29000*				190 U		210 U	200 U	
208-96-8	Acenaphthylene	ug/kg	300000000	**---**	*29000*				190 U		210 U	200 U	
98-86-2	Acetophenone	ug/kg	5000	**2000**	*2000*				190 U		210 U	200 U	
120-12-7	Anthracene	ug/kg	30000000	**17000000**	*29000*				190 U		210 U	200 U	
1912-24-9	Atrazine	ug/kg	2400000	**210000**	*200*				190 U		210 U	200 U	
100-52-7	Benzaldehyde	ug/kg	68000000	**6100000**	*6100000*				190 U		210 U	200 U	
56-55-3	Benzo(a)anthracene	ug/kg	2000	**600**	*150*				190 U		210 U	200 U	
50-32-8	Benzo(a)pyrene	ug/kg	200	**200**	*15*				190 U		210 U	200 U	
205-99-2	Benzo(b)fluoranthene	ug/kg	2000	**600**	*150*				190 U		210 U	200 U	
191-24-2	Benzo(g,h,i)perylene	ug/kg	30000000	**380000000**	*1100*				190 U		210 U	200 U	
207-08-9	Benzo(k)fluoranthene	ug/kg	23000	**6000**	*1100*				190 U		210 U	200 U	
111-91-1	Bis(2-chloroethoxy)methane	ug/kg	---	**---**	*302*				190 U		210 U	200 U	
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*				190 U		210 U	200 U	
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*								
117-81-7	Bis(2-ethylhexyl)phthalate	ug/kg	140000	**35000**	*925*				190 U		210 U	200 U	
85-68-7	Butylbenzylphthalate	ug/kg	14000000	**1200000**	*239*				190 U		210 U	200 U	
105-60-2	Caprolactam	ug/kg	340000000	**31000000**	*12000*				190 U		210 U	200 U	
86-74-8	Carbazole	ug/kg	96000	**24000**	*24000*				190 U		210 U	200 U	
218-01-9	Chrysene	ug/kg	230000	**62000**	*1100*				190 U		210 U	200 U	
53-70-3	Dibenzo(a,h)anthracene	ug/kg	200	**200**	*15*				190 U		210 U	200 U	
132-64-9	Dibenzofuran	ug/kg	---	**---**	*72000*				190 U		210 U	200 U	
84-66-2	Diethylphthalate	ug/kg	550000000	**49000000**	*88000*				190 U		210 U	200 U	
131-11-3	Dimethylphthalate	ug/kg	---	**---**	*734000*				190 U		210 U	200 U	
84-74-2	Di-n-butylphthalate	ug/kg	68000000	**6100000**	*200000*				190 U		210 U	200 U	
117-84-0	Di-n-octylphthalate	ug/kg	27000000	**2400000**	*620000*				150 J		210 U	200 U	
206-44-0	Fluoranthene	ug/kg	24000000	**2300000**	*1100*				190 U		210 U	200 U	
86-73-7	Fluorene	ug/kg	24000000	**2300000**	*29000*				190 U		210 U	200 U	
118-74-1	Hexachlorobenzene	ug/kg	1000	**300**	*199*				190 U		210 U	200 U	
87-68-3	Hexachlorobutadiene	ug/kg	25000	**6000**	*39.8*				190 U		210 U	200 U	
77-47-4	Hexachlorocyclopentadiene	ug/kg	110000	**45000**	*10000*				190 U		210 U	200 U	
67-72-1	Hexachloroethane	ug/kg	140000	**35000**	*200*				190 U		210 U	200 U	
193-39-5	Indeno(1,2,3-cd)pyrene	ug/kg	2000	**600**	*150*				190 U		210 U	200 U	
78-59-1	Isophorone	ug/kg	2000000	**510000**	*200*				190 U		210 U	200 U	
91-20-3	Naphthalene	ug/kg	17000	**6000**	*3800*				190 U		210 U	200 U	
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*				190 U		210 U	200 U	

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-204		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205	
					Sample Code	PPP-SBD-204-I		PPP-SBD-9204-I		PPP-SBD-204-J		PPP-SBD-204-K		PPP-SBD-204-L		PPP-SBD-205-A		PPP-SBD-205-B		PPP-SBD-205-C	
					Sample Date	3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/3/2015		3/2/2015		3/2/2015		3/2/2015	
					Start Depth	70		70		80		91		101.5		1		5		10	
					End Depth	72		72		82		93		102		3		7		12	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code			PPP-SBD-204-I													
CAS	Chemical	Units	NRDC	RDC	RI SOIL																
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*																
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*							190	U			210	U	200	U		
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*																
86-30-6	N-Nitrosodiphenylamine	ug/kg	390000	**99000**	*400*							190	U			210	U	200	U		
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*							370	U			410	U	380	U		
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*																
85-01-8	Phenanthrene	ug/kg	300000000	**---**	*29000*							190	U			210	U	200	U		
108-95-2	Phenol	ug/kg	210000000	**18000000**	*8000*							190	U			210	U	200	U		
129-00-0	Pyrene	ug/kg	18000000	**1700000**	*1100*							190	U			210	U	200	U		
Pohatcong-Pesticides-PCBs																					
72-54-8	4,4'-DDD	ug/kg	13000	**3000**	*21*							3.7	U			4.1	U	3.8	U		
72-55-9	4,4'-DDE	ug/kg	9000	**2000**	*21*							3.7	U			4.1	U	3.8	U		
50-29-3	4,4'-DDT	ug/kg	8000	**2000**	*21*							3.7	U			4.1	U	3.8	U		
309-00-2	Aldrin	ug/kg	200	**40**	*3.32*							1.9	U			2.1	U	2	U		
319-84-6	alpha-BHC	ug/kg	500	**100**	*2*							1.9	U			2.1	U	2	U		
5103-71-9	alpha-Chlordane	ug/kg	1000	**200**	*50*							1.9	U			2.1	U	2	U		
319-85-7	beta-BHC	ug/kg	2000	**400**	*2*							1.9	U			2.1	U	2	U		
319-86-8	delta-BHC	ug/kg	---	**---**	*300*							1.9	U			2.1	U	2	U		
60-57-1	Dieldrin	ug/kg	200	**40**	*3*							3.7	U			4.1	U	3.8	U		
959-98-8	Endosulfan I	ug/kg	6800000	**470000**	*119*							1.9	U			2.1	U	2	U		
33213-65-9	Endosulfan II	ug/kg	6800000	**470000**	*119*							3.7	U			4.1	U	3.8	U		
1031-07-8	Endosulfan Sulfate	ug/kg	6800000	**470000**	*35.8*							3.7	U			4.1	U	3.8	U		
72-20-8	Endrin	ug/kg	340000	**23000**	*10.1*							3.7	U			4.1	U	3.8	U		
7421-93-4	Endrin aldehyde	ug/kg	---	**---**	*10.5*							3.7	U			4.1	U	3.8	U		
53494-70-5	Endrin Ketone	ug/kg	---	**---**	*18000*							3.7	U			4.1	U	3.8	U		
58-89-9	gamma-BHC (Lindane)	ug/kg	2000	**400**	*2*							1.9	U			2.1	U	2	U		
5103-74-2	gamma-Chlordane	ug/kg	1000	**200**	*50*							1.9	U			2.1	U	2	U		
76-44-8	Heptachlor	ug/kg	700	**100**	*5.98*							1.9	U			2.1	U	2	U		
1024-57-3	Heptachlor Epoxide	ug/kg	300	**70**	*10*							1.9	U			2.1	U	2	U		
72-43-5	Methoxychlor	ug/kg	5700000	**390000**	*19.9*							19	U			21	U	20	U		
8001-35-2	Toxaphene	ug/kg	3000	**600**	*119*							190	U			210	U	200	U		
12674-11-2	Aroclor 1016	ug/kg	1000	**200**	*200*							37	U			40	U	38	U		
11104-28-2	Aroclor 1221	ug/kg	1000	**200**	*150*							37	U			40	U	38	U		
11141-16-5	Aroclor 1232	ug/kg	1000	**200**	*150*							37	U			40	U	38	U		
53469-21-9	Aroclor 1242	ug/kg	1000	**200**	*200*							37	U			40	U	38	U		
12672-29-6	Aroclor 1248	ug/kg	1000	**200**	*200*							37	U			40	U	38	U		
11097-69-1	Aroclor 1254	ug/kg	1000	**200**	*200*							37	U			40	U	38	U		
11096-82-5	Aroclor 1260	ug/kg	1000	**200**	*200*							37	U			40	U	38	U		
37324-23-5	Aroclor 1262	ug/kg	1000	**200**	*200*							37	U			40	U	38	U		
11100-14-4	Aroclor 1268	ug/kg	1000	**200**	*200*							37	U			40	U	38	U		
Pohatcong-Inorganics																					
7429-90-5	Aluminum	mg/kg	---	**78000**	*6000*																
7440-36-0	Antimony	mg/kg	450	**31**	*0.27*																
7440-38-2	Arsenic	mg/kg	19	**19**	*0.67*																
7440-39-3	Barium	mg/kg	59000	**16000**	*330*																
7440-41-7	Beryllium	mg/kg	140	**16**	*0.7*																
7440-43-9	Cadmium	mg/kg	78	**78**	*0.36*																
7440-70-2	Calcium	mg/kg	---	**---**	*---*																
7440-47-3	Chromium	mg/kg	---	**---**	*26*																
7440-48-4	Cobalt	mg/kg	590	**1600**	*13*																
7440-50-8	Copper	mg/kg	45000	**3100**	*28*																
57-12-5	Cyanide	mg/kg	23000	**1600**	*1.33*																
7439-89-6	Iron	mg/kg	---	**---**	*55000*																
7439-92-1	Lead	mg/kg	800	**400**	*11*																
7439-95-4	Magnesium	mg/kg	---	**---**	*---*																
7439-96-5	Manganese	mg/kg	5900	**11000**	*65*																
7439-97-6	Mercury	mg/kg	65	**23**	*0.00051*																
7440-02-0	Nickel	mg/kg	23000	**1600**	*38*																
7440-09-7	Potassium	mg/kg	---	**---**	*---*																
7782-49-2	Selenium	mg/kg	5700	**390**	*0.52*																
7440-22-4	Silver	mg/kg	5700	**390**	*1*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-204	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205
					Sample Code	PPP-SBD-204-I	PPP-SBD-9204-I	PPP-SBD-204-J	PPP-SBD-204-K	PPP-SBD-204-L	PPP-SBD-205-A	PPP-SBD-205-B	PPP-SBD-205-C
					Sample Date	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/3/2015	3/2/2015	3/2/2015	3/2/2015
					Start Depth	70	70	80	91	101.5	1	5	10
					End Depth	72	72	82	93	102	3	7	12
					Depth Unit	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs
					Parent Sample Code		PPP-SBD-204-I						
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*								
7440-23-5	Sodium	mg/kg	---	**---**	---								
7440-28-0	Thallium	mg/kg	79	**5**	*0.78*								
7440-62-2	Vanadium	mg/kg	1100	**78**	*7.8*								
7440-66-6	Zinc	mg/kg	110000	**23000**	*46*								
Pohatcong-Geotechnical													
DUW	Dry Unit Weight	pcf	---	**---**	---								
MOIST	MOISTURE	%	---	**---**	---								
PERM	Permeability	cm/sec	---	**---**	---								
POROSITY	Porosity	%	---	**---**	---								
SOLID	Solids, Percent	%	---	**---**	---								
SG	Specific Gravity	sg	---	**---**	---								
TOC	Total Organic Carbon	mg/kg	---	**---**	---								

Notes:

ug/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
%	percent
cm/sec	centimeter per second
ft	feet
NJDEP	New Jersey Department of Environmental Protection
NJDEP NRDC	Non-residential Direct Contact Screening Criteria
NJDEP RDC	Residential Direct Contact Screening Criteria
pcf	per cubic feet

Cells highlighted blue indicate exceedance of NJDEP NRDC.

Cells bolded indicate exceedance of NJDEP NRDC.

Cells italicized indicate exceedance of NJDEP NRDC.

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205	
					Sample Code	PPP-SBD-205-D		PPP-SBD-205-E		PPP-SBD-205-F		PPP-SBD-205-G		PPP-SBD-205-H		PPP-SBD-9205-H		PPP-SBD-205-I		PPP-SBD-205-J	
					Sample Date	3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015	
					Start Depth	20		30		40		50		60		60		70		80	
					End Depth	22		32		42		52		62		62		72		82	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code											PPP-SBD-205-H					
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*																
Pohatcong-Voas																					
71-55-6	1,1,1-Trichloroethane	ug/kg	4200000	**290000**	*300*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3000	**1000**	*7*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	---	**---**	*40000000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
79-00-5	1,1,2-Trichloroethane	ug/kg	6000	**2000**	*20*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-34-3	1,1-Dichloroethane	ug/kg	24000	**8000**	*200*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-35-4	1,1-Dichloroethene	ug/kg	150000	**11000**	*8*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
87-61-6	1,2,3-Trichlorobenzene	ug/kg	---	**---**	*20000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
120-82-1	1,2,4-Trichlorobenzene	ug/kg	820000	**73000**	*700*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
96-12-8	1,2-Dibromo-3-chloropropane	ug/kg	200	**80**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
106-93-4	1,2-Dibromoethane	ug/kg	40	**8**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
95-50-1	1,2-Dichlorobenzene	ug/kg	59000000	**5300000**	*2960*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
107-06-2	1,2-Dichloroethane	ug/kg	3000	**900**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
78-87-5	1,2-Dichloropropane	ug/kg	5000	**2000**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
541-73-1	1,3-Dichlorobenzene	ug/kg	59000000	**5300000**	*19000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
106-46-7	1,4-Dichlorobenzene	ug/kg	13000	**5000**	*2000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
123-91-1	1,4-Dioxane	ug/kg	---	**---**	*2050*	94	R	91	R	84	R	92	R	94	R	84	R	94	R	83	R
78-93-3	2-Butanone	ug/kg	44000000	**3100000**	*900*	9.4	U	9.1	U	8.4	U	14		9.4	U	8.4	U	9.4	U	8.3	U
591-78-6	2-Hexanone	ug/kg	---	**---**	*12600*	9.4	U	9.1	U	8.4	U	9.2	U	9.4	U	8.4	U	9.4	U	8.3	U
108-10-1	4-Methyl-2-pentanone	ug/kg	---	**---**	*443000*	9.4	U	9.1	U	8.4	U	9.2	U	9.4	U	8.4	U	9.4	U	8.3	U
67-64-1	Acetone	ug/kg	---	**70000000**	*2500*	9.4	U	17		8.4	U	30		9.4	U	8.4	U	11		8.3	U
71-43-2	Benzene	ug/kg	5000	**2000**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
74-97-5	Bromochloromethane	ug/kg	---	**---**	*150000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-27-4	Bromodichloromethane	ug/kg	3000	**1000**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-25-2	Bromoform	ug/kg	280000	**81000**	*30*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
74-83-9	Bromomethane	ug/kg	59000	**25000**	*40*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-15-0	Carbon Disulfide	ug/kg	110000000	**7800000**	*94*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
56-23-5	Carbon Tetrachloride	ug/kg	2000	**600**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
108-90-7	Chlorobenzene	ug/kg	7400000	**510000**	*600*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-00-3	Chloroethane	ug/kg	1100000	**220000**	*220000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
67-66-3	Chloroform	ug/kg	2000	**600**	*320*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
74-87-3	Chloromethane	ug/kg	12000	**4000**	*4000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
156-59-2	cis-1,2-Dichloroethene	ug/kg	560000	**230000**	*300*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
10061-01-5	cis-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
110-82-7	Cyclohexane	ug/kg	---	**---**	*6500000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
124-48-1	Dibromochloromethane	ug/kg	8000	**3000**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-71-8	Dichlorodifluoromethane	ug/kg	230000000	**490000**	*39000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
100-41-4	Ethylbenzene	ug/kg	110000000	**7800000**	*5160*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
98-82-8	Isopropylbenzene	ug/kg	---	**---**	*1900000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
179601-23-1	m,p-Xylene	ug/kg	---	**---**	---	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
79-20-9	Methyl acetate	ug/kg	---	**78000000**	*22000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
1634-04-4	Methyl tert-Butyl Ether	ug/kg	320000	**110000**	*200*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
108-87-2	Methylcyclohexane	ug/kg	---	**---**	---	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-09-2	Methylene Chloride	ug/kg	97000	**34000**	*10*	1.6	J	2	J	0.87	J	2.6	J	1.7	J	8		4.6	J	3.2	J
95-47-6	o-Xylene	ug/kg	---	**---**	---	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
100-42-5	Styrene	ug/kg	260000	**90000**	*3000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
127-18-4	Tetrachloroethene	ug/kg	5000	**2000**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
108-88-3	Toluene	ug/kg	91000000	**6300000**	*7000*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
156-60-5	trans-1,2-Dichloroethene	ug/kg	720000	**300000**	*600*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
10061-02-6	trans-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
79-01-6	Trichloroethene	ug/kg	20000	**7000**	*10*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-69-4	Trichlorofluoromethane	ug/kg	340000000	**23000000**	*16400*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	U	4.7	U	4.2	U
75-01-4	Vinyl Chloride	ug/kg	2000	**700**	*5*	4.7	U	4.6	U	4.2	U	4.6	U	4.7	U	4.2	UJ	4.7	U	4.2	U
Pohatcong-Svoas																					
92-52-4	1,1'-Biphenyl	ug/kg	34000000	**3100000**	*47000*			200	U					200	U	200	U				
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/kg	---	**---**	*2020*			200	U					200	U	200	U				
108-60-1	2,2'-Oxybis(1-chloropropane)	ug/kg	67000	**23000**	*4900*			200	U					200	U	200	U				
58-90-2	2,3,4,6-Tetrachlorophenol	ug/kg	---	**---**	*199*			200	U					200	U	200	U				
95-95-4	2,4,5-Trichlorophenol	ug/kg	68000000	**6100000**	*9000*			200	U					200	U	200	U				
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*			200	U					200	U	200	U				
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205	
					Sample Code	PPP-SBD-205-D		PPP-SBD-205-E		PPP-SBD-205-F		PPP-SBD-205-G		PPP-SBD-205-H		PPP-SBD-9205-H		PPP-SBD-205-I		PPP-SBD-205-J	
					Sample Date	3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015	
					Start Depth	20		30		40		50		60		60		70		80	
					End Depth	22		32		42		52		62		62		72		82	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code											PPP-SBD-205-H					
CAS	Chemical	Units	NRDC	RDC	*RI SOIL*																
120-83-2	2,4-Dichlorophenol	ug/kg	2100000	**180000**	*200*			200	U					200	U	200	U				
105-67-9	2,4-Dimethylphenol	ug/kg	14000000	**1200000**	*10*			200	U					200	U	200	U				
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*			390	U					390	U	380	U				
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*																
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*			200	U					200	U	200	U				
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*																
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*			200	U					200	U	200	U				
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*																
91-58-7	2-Chloronaphthalene	ug/kg	---	**---**	*12.2*			200	U					200	U	200	U				
95-57-8	2-Chlorophenol	ug/kg	2200000	**310000**	*243*			200	U					200	U	200	U				
91-57-6	2-Methylnaphthalene	ug/kg	2400000	**230000**	*3240*			200	U					200	U	200	U				
95-48-7	2-Methylphenol	ug/kg	3400000	**310000**	*40400*			200	U					200	U	200	U				
88-74-4	2-Nitroaniline	ug/kg	23000000	**39000**	*39000*			390	U					390	U	380	U				
88-75-5	2-Nitrophenol	ug/kg	---	**---**	*1600*			200	U					200	U	200	U				
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*			200	U					200	U	200	U				
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*																
99-09-2	3-Nitroaniline	ug/kg	---	**---**	*3160*			390	U					390	U	380	U				
534-52-1	4,6-Dinitro-2-methylphenol	ug/kg	68000	**6000**	*144*			390	U					390	U	380	U				
101-55-3	4-Bromophenyl-phenylether	ug/kg	---	**---**	*---*			200	U					200	U	200	U				
59-50-7	4-Chloro-3-methylphenol	ug/kg	---	**---**	*7950*			200	U					200	U	200	U				
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*			200	U					200	U	200	U				
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*																
7005-72-3	4-Chlorophenyl-phenylether	ug/kg	---	**---**	*---*			200	U					200	U	200	U				
106-44-5	4-Methylphenol	ug/kg	340000	**31000**	*31000*			200	U					200	U	200	U				
100-01-6	4-Nitroaniline	ug/kg	---	**---**	*21900*			390	U					390	U	380	U				
100-02-7	4-Nitrophenol	ug/kg	---	**---**	*7000*			390	U					390	U	380	U				
83-32-9	Acenaphthene	ug/kg	37000000	**3400000**	*29000*			200	U					200	U	200	U				
208-96-8	Acenaphthylene	ug/kg	300000000	**---**	*29000*			200	U					200	U	200	U				
98-86-2	Acetophenone	ug/kg	5000	**2000**	*2000*			200	U					200	U	200	U				
120-12-7	Anthracene	ug/kg	30000000	**17000000**	*29000*			200	U					200	U	200	U				
1912-24-9	Atrazine	ug/kg	2400000	**210000**	*200*			200	U					200	U	200	U				
100-52-7	Benzaldehyde	ug/kg	68000000	**6100000**	*6100000*			200	U					200	U	200	U				
56-55-3	Benzo(a)anthracene	ug/kg	2000	**600**	*150*			200	U					200	U	200	U				
50-32-8	Benzo(a)pyrene	ug/kg	200	**200**	*15*			200	U					200	U	200	U				
205-99-2	Benzo(b)fluoranthene	ug/kg	2000	**600**	*150*			200	U					200	U	200	U				
191-24-2	Benzo(g,h,i)perylene	ug/kg	30000000	**380000000**	*1100*			200	U					200	U	200	U				
207-08-9	Benzo(k)fluoranthene	ug/kg	23000	**6000**	*1100*			200	U					200	U	200	U				
111-91-1	Bis(2-chloroethoxy)methane	ug/kg	---	**---**	*302*			200	U					200	U	200	U				
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*			200	U					200	U	200	U				
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*																
117-81-7	Bis(2-ethylhexyl)phthalate	ug/kg	140000	**35000**	*925*			200	U					200	U	200	U				
85-68-7	Butylbenzylphthalate	ug/kg	14000000	**1200000**	*239*			200	U					200	U	200	U				
105-60-2	Caprolactam	ug/kg	340000000	**31000000**	*12000*			200	U					200	U	200	U				
86-74-8	Carbazole	ug/kg	96000	**24000**	*24000*			200	U					200	U	200	U				
218-01-9	Chrysene	ug/kg	230000	**62000**	*1100*			200	U					200	U	200	U				
53-70-3	Dibenzo(a,h)anthracene	ug/kg	200	**200**	*15*			200	U					200	U	200	U				
132-64-9	Dibenzofuran	ug/kg	---	**---**	*72000*			200	U					200	U	200	U				
84-66-2	Diethylphthalate	ug/kg	550000000	**49000000**	*88000*			200	U					200	U	200	U				
131-11-3	Dimethylphthalate	ug/kg	---	**---**	*734000*			200	U					200	U	200	U				
84-74-2	Di-n-butylphthalate	ug/kg	68000000	**6100000**	*200000*			200	U					200	U	200	U				
117-84-0	Di-n-octylphthalate	ug/kg	27000000	**2400000**	*620000*			200	U					200	U	200	U				
206-44-0	Fluoranthene	ug/kg	24000000	**2300000**	*1100*			200	U					200	U	200	U				
86-73-7	Fluorene	ug/kg	24000000	**2300000**	*29000*			200	U					200	U	200	U				
118-74-1	Hexachlorobenzene	ug/kg	1000	**300**	*199*			200	U					200	U	200	U				
87-68-3	Hexachlorobutadiene	ug/kg	25000	**6000**	*39.8*			200	U					200	U	200	U				
77-47-4	Hexachlorocyclopentadiene	ug/kg	110000	**45000**	*10000*			200	U					200	U	200	U				
67-72-1	Hexachloroethane	ug/kg	140000	**35000**	*200*			200	U					200	U	200	U				
193-39-5	Indeno(1,2,3-cd)pyrene	ug/kg	2000	**600**	*150*			200	U					200	U	200	U				
78-59-1	Isophorone	ug/kg	2000000	**510000**	*200*			200	U					200	U	200	U				
91-20-3	Naphthalene	ug/kg	17000	**6000**	*3800*			200	U					200	U	200	U				
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*			200	U					200	U	200	U				

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205	
					Sample Code	PPP-SBD-205-D		PPP-SBD-205-E		PPP-SBD-205-F		PPP-SBD-205-G		PPP-SBD-205-H		PPP-SBD-9205-H		PPP-SBD-205-I		PPP-SBD-205-J	
					Sample Date	3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015		3/2/2015	
					Start Depth	20		30		40		50		60		60		70		80	
					End Depth	22		32		42		52		62		62		72		82	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code											PPP-SBD-205-H					
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*																
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*																
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*			200	U					200	U	200	U				
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*																
86-30-6	N-Nitrosodiphenylamine	ug/kg	390000	**99000**	*400*			200	U					200	U	200	U				
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*			390	U					390	U	380	U				
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*																
85-01-8	Phenanthrene	ug/kg	300000000	**---**	*29000*			200	U					200	U	200	U				
108-95-2	Phenol	ug/kg	210000000	**18000000**	*8000*			200	U					200	U	200	U				
129-00-0	Pyrene	ug/kg	18000000	**1700000**	*1100*			200	U					200	U	200	U				
Pohatcong-Pesticides-PCBs																					
72-54-8	4,4'-DDD	ug/kg	13000	**3000**	*21*			3.8	U					3.9	U	3.8	U				
72-55-9	4,4'-DDE	ug/kg	9000	**2000**	*21*			3.8	U					3.9	U	3.8	U				
50-29-3	4,4'-DDT	ug/kg	8000	**2000**	*21*			3.8	U					3.9	U	3.8	U				
309-00-2	Aldrin	ug/kg	200	**40**	*3.32*			1.9	U					2	U	2	U				
319-84-6	alpha-BHC	ug/kg	500	**100**	*2*			1.9	U					2	U	2	U				
5103-71-9	alpha-Chlordane	ug/kg	1000	**200**	*50*			1.9	U					2	U	2	U				
319-85-7	beta-BHC	ug/kg	2000	**400**	*2*			1.9	U					2	U	2	U				
319-86-8	delta-BHC	ug/kg	---	**---**	*300*			1.9	U					2	U	2	U				
60-57-1	Dieldrin	ug/kg	200	**40**	*3*			3.8	U					3.9	U	3.8	U				
959-98-8	Endosulfan I	ug/kg	6800000	**470000**	*119*			1.9	U					2	U	2	U				
33213-65-9	Endosulfan II	ug/kg	6800000	**470000**	*119*			3.8	U					3.9	U	3.8	U				
1031-07-8	Endosulfan Sulfate	ug/kg	6800000	**470000**	*35.8*			3.8	U					3.9	U	3.8	U				
72-20-8	Endrin	ug/kg	340000	**23000**	*10.1*			3.8	U					3.9	U	3.8	U				
7421-93-4	Endrin aldehyde	ug/kg	---	**---**	*10.5*			3.8	U					3.9	U	3.8	U				
53494-70-5	Endrin Ketone	ug/kg	---	**---**	*18000*			3.8	U					3.9	U	3.8	U				
58-89-9	gamma-BHC (Lindane)	ug/kg	2000	**400**	*2*			1.9	U					2	U	2	U				
5103-74-2	gamma-Chlordane	ug/kg	1000	**200**	*50*			1.9	U					2	U	2	U				
76-44-8	Heptachlor	ug/kg	700	**100**	*5.98*			1.9	U					2	U	2	U				
1024-57-3	Heptachlor Epoxide	ug/kg	300	**70**	*10*			1.9	U					2	U	2	U				
72-43-5	Methoxychlor	ug/kg	5700000	**390000**	*19.9*			19	U					20	U	20	U				
8001-35-2	Toxaphene	ug/kg	3000	**600**	*119*			190	U					200	U	200	U				
12674-11-2	Aroclor 1016	ug/kg	1000	**200**	*200*			38	U					38	U	39	U				
11104-28-2	Aroclor 1221	ug/kg	1000	**200**	*150*			38	U					38	U	39	U				
11141-16-5	Aroclor 1232	ug/kg	1000	**200**	*150*			38	U					38	U	39	U				
53469-21-9	Aroclor 1242	ug/kg	1000	**200**	*200*			38	U					38	U	39	U				
12672-29-6	Aroclor 1248	ug/kg	1000	**200**	*200*			38	U					38	U	39	U				
11097-69-1	Aroclor 1254	ug/kg	1000	**200**	*200*			38	U					38	U	39	U				
11096-82-5	Aroclor 1260	ug/kg	1000	**200**	*200*			38	U					38	U	39	U				
37324-23-5	Aroclor 1262	ug/kg	1000	**200**	*200*			38	U					38	U	39	U				
11100-14-4	Aroclor 1268	ug/kg	1000	**200**	*200*			38	U					38	U	39	U				
Pohatcong-Inorganics																					
7429-90-5	Aluminum	mg/kg	---	**78000**	*6000*																
7440-36-0	Antimony	mg/kg	450	**31**	*0.27*																
7440-38-2	Arsenic	mg/kg	19	**19**	*0.67*																
7440-39-3	Barium	mg/kg	59000	**16000**	*330*																
7440-41-7	Beryllium	mg/kg	140	**16**	*0.7*																
7440-43-9	Cadmium	mg/kg	78	**78**	*0.36*																
7440-70-2	Calcium	mg/kg	---	**---**	*---*																
7440-47-3	Chromium	mg/kg	---	**---**	*26*																
7440-48-4	Cobalt	mg/kg	590	**1600**	*13*																
7440-50-8	Copper	mg/kg	45000	**3100**	*28*																
57-12-5	Cyanide	mg/kg	23000	**1600**	*1.33*																
7439-89-6	Iron	mg/kg	---	**---**	*55000*																
7439-92-1	Lead	mg/kg	800	**400**	*11*																
7439-95-4	Magnesium	mg/kg	---	**---**	*---*																
7439-96-5	Manganese	mg/kg	5900	**11000**	*65*																
7439-97-6	Mercury	mg/kg	65	**23**	*0.00051*																
7440-02-0	Nickel	mg/kg	23000	**1600**	*38*																
7440-09-7	Potassium	mg/kg	---	**---**	*---*																
7782-49-2	Selenium	mg/kg	5700	**390**	*0.52*																
7440-22-4	Silver	mg/kg	5700	**390**	*1*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205
					Sample Code	PPP-SBD-205-D	PPP-SBD-205-E	PPP-SBD-205-F	PPP-SBD-205-G	PPP-SBD-205-H	PPP-SBD-9205-H	PPP-SBD-205-I	PPP-SBD-205-J
					Sample Date	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015	3/2/2015
					Start Depth	20	30	40	50	60	60	70	80
					End Depth	22	32	42	52	62	62	72	82
					Depth Unit	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs
					Parent Sample Code						PPP-SBD-205-H		
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*								
7440-23-5	Sodium	mg/kg	---	**---**	---								
7440-28-0	Thallium	mg/kg	79	**5**	*0.78*								
7440-62-2	Vanadium	mg/kg	1100	**78**	*7.8*								
7440-66-6	Zinc	mg/kg	110000	**23000**	*46*								
Pohatcong-Geotechnical													
DUW	Dry Unit Weight	pcf	---	**---**	---								
MOIST	MOISTURE	%	---	**---**	---								
PERM	Permeability	cm/sec	---	**---**	---								
POROSITY	Porosity	%	---	**---**	---								
SOLID	Solids, Percent	%	---	**---**	---								
SG	Specific Gravity	sg	---	**---**	---								
TOC	Total Organic Carbon	mg/kg	---	**---**	---								

Notes:

ug/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
%	percent
cm/sec	centimeter per second
ft	feet
NJDEP	New Jersey Department of Environmental Protection
NJDEP NRDC	Non-residential Direct Contact Screening Criteria
NJDEP RDC	Residential Direct Contact Screening Criteria
pcf	per cubic feet

Cells highlighted blue indicate exceedance of NJDEP NRDC.

Cells bolded indicate exceedance of NJDEP NRDC.

Cells italicized indicate exceedance of NJDEP NRDC.

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-207		PPP-SBD-207		PPP-SBD-207		PPP-SBD-207	
					Sample Code	PPP-SBD-205-K		PPP-SBD-205-L		PPP-SBD-205-M		PPP-SBD-205-N		PPP-SBD-207-A		PPP-SBD-207-B		PPP-SBD-207-C		PPP-SBD-207-D	
					Sample Date	3/2/2015		3/2/2015		3/3/2015		3/3/2015		2/27/2015		2/27/2015		2/27/2015		2/27/2015	
					Start Depth	90		100		108		122		1		5		10		20	
					End Depth	92		102		110		124		3		7		12		22	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code																
CAS	Chemical	Units	NRDC	RDC	RI SOIL																
Pohatcong-Voas																					
71-55-6	1,1,1-Trichloroethane	ug/kg	4200000	**290000**	*300*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3000	**1000**	*7*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ug/kg	---	**---**	*40000000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
79-00-5	1,1,2-Trichloroethane	ug/kg	6000	**2000**	*20*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-34-3	1,1-Dichloroethane	ug/kg	24000	**8000**	*200*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-35-4	1,1-Dichloroethene	ug/kg	150000	**11000**	*8*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
87-61-6	1,2,3-Trichlorobenzene	ug/kg	---	**---**	*20000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
120-82-1	1,2,4-Trichlorobenzene	ug/kg	820000	**73000**	*700*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ug/kg	200	**80**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
106-93-4	1,2-Dibromoethane	ug/kg	40	**8**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
95-50-1	1,2-Dichlorobenzene	ug/kg	59000000	**5300000**	*2960*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
107-06-2	1,2-Dichloroethane	ug/kg	3000	**900**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
78-87-5	1,2-Dichloropropane	ug/kg	5000	**2000**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
541-73-1	1,3-Dichlorobenzene	ug/kg	59000000	**5300000**	*19000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
106-46-7	1,4-Dichlorobenzene	ug/kg	13000	**5000**	*2000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
123-91-1	1,4-Dioxane	ug/kg	---	**---**	*2050*	81	R	99	R	93	R	82	R	91	R	90	R	90	R	97	R
78-93-3	2-Butanone	ug/kg	44000000	**3100000**	*900*	8.1	U	9.9	U	9.3	U	8.2	U	9.1	U	9	U	9	U	9.7	U
591-78-6	2-Hexanone	ug/kg	---	**---**	*12600*	8.1	U	9.9	U	9.3	U	8.2	U	9.1	U	9	U	9	U	9.7	U
108-10-1	4-Methyl-2-pentanone	ug/kg	---	**---**	*443000*	8.1	U	9.9	U	9.3	U	8.2	U	9.1	U	9	U	9	U	9.7	U
67-64-1	Acetone	ug/kg	---	**70000000**	*2500*	7.5	J	7.4	J	16		7.1	J	8.8	J	6.3	J	6.2	J	9.7	U
71-43-2	Benzene	ug/kg	5000	**2000**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
74-97-5	Bromochloromethane	ug/kg	---	**---**	*150000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-27-4	Bromodichloromethane	ug/kg	3000	**1000**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-25-2	Bromoform	ug/kg	280000	**81000**	*30*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
74-83-9	Bromomethane	ug/kg	59000	**25000**	*40*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-15-0	Carbon Disulfide	ug/kg	110000000	**7800000**	*94*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
56-23-5	Carbon Tetrachloride	ug/kg	2000	**600**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
108-90-7	Chlorobenzene	ug/kg	7400000	**510000**	*600*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-00-3	Chloroethane	ug/kg	1100000	**220000**	*220000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
67-66-3	Chloroform	ug/kg	2000	**600**	*320*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
74-87-3	Chloromethane	ug/kg	12000	**4000**	*4000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
156-59-2	cis-1,2-Dichloroethene	ug/kg	560000	**230000**	*300*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
10061-01-5	cis-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
110-82-7	Cyclohexane	ug/kg	---	**---**	*6500000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
124-48-1	Dibromochloromethane	ug/kg	8000	**3000**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-71-8	Dichlorodifluoromethane	ug/kg	230000000	**490000**	*39000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
100-41-4	Ethylbenzene	ug/kg	110000000	**7800000**	*5160*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
98-82-8	Isopropylbenzene	ug/kg	---	**---**	*1900000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
179601-23-1	m,p-Xylene	ug/kg	---	**---**	---	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
79-20-9	Methyl acetate	ug/kg	---	**78000000**	*22000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
1634-04-4	Methyl tert-Butyl Ether	ug/kg	320000	**110000**	*200*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
108-87-2	Methylcyclohexane	ug/kg	---	**---**	---	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-09-2	Methylene Chloride	ug/kg	97000	**34000**	*10*	7.9		*10*		2.9	J	2.2	J	3	J	4.8		4.8		5.4	
95-47-6	o-Xylene	ug/kg	---	**---**	---	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
100-42-5	Styrene	ug/kg	260000	**90000**	*3000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
127-18-4	Tetrachloroethene	ug/kg	5000	**2000**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
108-88-3	Toluene	ug/kg	91000000	**6300000**	*7000*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
156-60-5	trans-1,2-Dichloroethene	ug/kg	720000	**300000**	*600*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ug/kg	7000	**2000**	*5*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
79-01-6	Trichloroethene	ug/kg	20000	**7000**	*10*	4.1	U	5	U	4.6	U	4.1	U	0.71	J	4.5	U	4.5	U	4.8	U
75-69-4	Trichlorofluoromethane	ug/kg	340000000	**23000000**	*16400*	4.1	U	5	U	4.6	U	4.1	U	4.5	U	4.5	U	4.5	U	4.8	U
75-01-4	Vinyl Chloride	ug/kg	2000	**700**	*5*	4.1	UJ	5	U	4.6	U	4.1	UJ	4.5	U	4.5	U	4.5	U	4.8	U
Pohatcong-Svoas																					
92-52-4	1,1'-Biphenyl	ug/kg	34000000	**3100000**	*47000*	200	U							210	U	200	U				
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/kg	---	**---**	*2020*	200	U							210	U	200	U				
108-60-1	2,2'-Oxybis(1-chloropropane)	ug/kg	67000	**23000**	*4900*	200	U							210	U	200	U				
58-90-2	2,3,4,6-Tetrachlorophenol	ug/kg	---	**---**	*199*	200	U							210	U	200	U				
95-95-4	2,4,5-Trichlorophenol	ug/kg	68000000	**6100000**	*9000*	200	U							210	U	200	U				
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*	200	U							210	U	200	U				
88-06-2	2,4,6-Trichlorophenol	ug/kg	74000	**19000**	*200*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-207		PPP-SBD-207		PPP-SBD-207		PPP-SBD-207	
					Sample Code	PPP-SBD-205-K		PPP-SBD-205-L		PPP-SBD-205-M		PPP-SBD-205-N		PPP-SBD-207-A		PPP-SBD-207-B		PPP-SBD-207-C		PPP-SBD-207-D	
					Sample Date	3/2/2015		3/2/2015		3/3/2015		3/3/2015		2/27/2015		2/27/2015		2/27/2015		2/27/2015	
					Start Depth	90		100		108		122		1		5		10		20	
					End Depth	92		102		110		124		3		7		12		22	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code																
CAS	Chemical	Units	NRDC	RDC	*RI SOIL*																
120-83-2	2,4-Dichlorophenol	ug/kg	2100000	**180000**	*200*	200	U							210	U	200	U				
105-67-9	2,4-Dimethylphenol	ug/kg	14000000	**1200000**	*10*	200	U							210	U	200	U				
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*	380	U							400	U	390	U				
51-28-5	2,4-Dinitrophenol	ug/kg	1400000	**120000**	*300*																
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*	200	U							210	U	200	U				
121-14-2	2,4-Dinitrotoluene	ug/kg	3000	**700**	*200*																
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*	200	U							210	U	200	U				
606-20-2	2,6-Dinitrotoluene	ug/kg	3000	**700**	*32.8*																
91-58-7	2-Chloronaphthalene	ug/kg	---	**---**	*12.2*	200	U							210	U	200	U				
95-57-8	2-Chlorophenol	ug/kg	2200000	**310000**	*243*	200	U							210	U	200	U				
91-57-6	2-Methylnaphthalene	ug/kg	2400000	**230000**	*3240*	200	U							210	U	200	U				
95-48-7	2-Methylphenol	ug/kg	3400000	**310000**	*40400*	200	U							210	U	200	U				
88-74-4	2-Nitroaniline	ug/kg	23000000	**39000**	*39000*	380	U							400	U	390	U				
88-75-5	2-Nitrophenol	ug/kg	---	**---**	*1600*	200	U							210	U	200	U				
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*	200	U							210	U	200	U				
91-94-1	3,3'-Dichlorobenzidine	ug/kg	4000	**1000**	*200*																
99-09-2	3-Nitroaniline	ug/kg	---	**---**	*3160*	380	U							400	U	390	U				
534-52-1	4,6-Dinitro-2-methylphenol	ug/kg	68000	**6000**	*144*	380	U							400	U	390	U				
101-55-3	4-Bromophenyl-phenylether	ug/kg	---	**---**	*---*	200	U							210	U	200	U				
59-50-7	4-Chloro-3-methylphenol	ug/kg	---	**---**	*7950*	200	U							210	U	200	U				
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*	200	U							210	U	200	U				
106-47-8	4-Chloroaniline	ug/kg	---	**---**	*1100*																
7005-72-3	4-Chlorophenyl-phenylether	ug/kg	---	**---**	*---*	200	U							210	U	200	U				
106-44-5	4-Methylphenol	ug/kg	340000	**31000**	*31000*	200	U							210	U	200	U				
100-01-6	4-Nitroaniline	ug/kg	---	**---**	*21900*	380	U							400	U	390	U				
100-02-7	4-Nitrophenol	ug/kg	---	**---**	*7000*	380	U							400	U	390	U				
83-32-9	Acenaphthene	ug/kg	37000000	**3400000**	*29000*	200	U							210	U	200	U				
208-96-8	Acenaphthylene	ug/kg	300000000	**---**	*29000*	200	U							210	U	200	U				
98-86-2	Acetophenone	ug/kg	5000	**2000**	*2000*	200	U							210	U	200	U				
120-12-7	Anthracene	ug/kg	30000000	**17000000**	*29000*	200	U							210	U	200	U				
1912-24-9	Atrazine	ug/kg	2400000	**210000**	*200*	200	U							210	U	200	U				
100-52-7	Benzaldehyde	ug/kg	68000000	**6100000**	*6100000*	200	U							210	U	200	U				
56-55-3	Benzo(a)anthracene	ug/kg	2000	**600**	*150*	200	U							210	U	200	U				
50-32-8	Benzo(a)pyrene	ug/kg	200	**200**	*15*	200	U							210	U	200	U				
205-99-2	Benzo(b)fluoranthene	ug/kg	2000	**600**	*150*	200	U							210	U	200	U				
191-24-2	Benzo(g,h,i)perylene	ug/kg	30000000	**380000000**	*1100*	200	U							210	U	200	U				
207-08-9	Benzo(k)fluoranthene	ug/kg	23000	**6000**	*1100*	200	U							210	U	200	U				
111-91-1	Bis(2-chloroethoxy)methane	ug/kg	---	**---**	*302*	200	U							210	U	200	U				
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*	200	U							210	U	200	U				
111-44-4	Bis(2-chloroethyl)ether	ug/kg	2000	**400**	*200*																
117-81-7	Bis(2-ethylhexyl)phthalate	ug/kg	140000	**35000**	*925*	200	U							210	U	200	U				
85-68-7	Butylbenzylphthalate	ug/kg	14000000	**1200000**	*239*	200	U							210	U	200	U				
105-60-2	Caprolactam	ug/kg	340000000	**31000000**	*12000*	200	U							210	U	200	U				
86-74-8	Carbazole	ug/kg	96000	**24000**	*24000*	200	U							210	U	200	U				
218-01-9	Chrysene	ug/kg	230000	**62000**	*1100*	200	U							210	U	200	U				
53-70-3	Dibenzo(a,h)anthracene	ug/kg	200	**200**	*15*	200	U							210	U	200	U				
132-64-9	Dibenzofuran	ug/kg	---	**---**	*72000*	200	U							210	U	200	U				
84-66-2	Diethylphthalate	ug/kg	550000000	**49000000**	*88000*	200	U							210	U	200	U				
131-11-3	Dimethylphthalate	ug/kg	---	**---**	*734000*	200	U							210	U	200	U				
84-74-2	Di-n-butylphthalate	ug/kg	68000000	**6100000**	*200000*	200	U							75	J	57	J				
117-84-0	Di-n-octylphthalate	ug/kg	27000000	**2400000**	*620000*	200	U							210	U	200	U				
206-44-0	Fluoranthene	ug/kg	24000000	**2300000**	*1100*	200	U							210	U	200	U				
86-73-7	Fluorene	ug/kg	24000000	**2300000**	*29000*	200	U							210	U	200	U				
118-74-1	Hexachlorobenzene	ug/kg	1000	**300**	*199*	200	U							210	U	200	U				
87-68-3	Hexachlorobutadiene	ug/kg	25000	**6000**	*39.8*	200	U							210	U	200	U				
77-47-4	Hexachlorocyclopentadiene	ug/kg	110000	**45000**	*10000*	200	U							210	U	200	U				
67-72-1	Hexachloroethane	ug/kg	140000	**35000**	*200*	200	U							210	U	200	U				
193-39-5	Indeno(1,2,3-cd)pyrene	ug/kg	2000	**600**	*150*	200	U							210	U	200	U				
78-59-1	Isophorone	ug/kg	2000000	**510000**	*200*	200	U							210	U	200	U				
91-20-3	Naphthalene	ug/kg	17000	**6000**	*3800*	200	U							210	U	200	U				
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*	200	U							210	U	200	U				

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-205		PPP-SBD-207		PPP-SBD-207		PPP-SBD-207		PPP-SBD-207	
					Sample Code	PPP-SBD-205-K		PPP-SBD-205-L		PPP-SBD-205-M		PPP-SBD-205-N		PPP-SBD-207-A		PPP-SBD-207-B		PPP-SBD-207-C		PPP-SBD-207-D	
					Sample Date	3/2/2015		3/2/2015		3/3/2015		3/3/2015		2/27/2015		2/27/2015		2/27/2015		2/27/2015	
					Start Depth	90		100		108		122		1		5		10		20	
					End Depth	92		102		110		124		3		7		12		22	
					Depth Unit	ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs		ft bgs	
					Parent Sample Code																
CAS	Chemical	Units	NRDC	RDC	RI SOIL																
98-95-3	Nitrobenzene	ug/kg	340000	**31000**	*200*																
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*	200	U							210	U	200	U				
621-64-7	N-Nitroso-di-n-propylamine	ug/kg	300	**200**	*76*																
86-30-6	N-Nitrosodiphenylamine	ug/kg	390000	**99000**	*400*	200	U							210	U	200	U				
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*	380	U							400	U	390	U				
87-86-5	Pentachlorophenol	ug/kg	10000	**3000**	*300*																
85-01-8	Phenanthrene	ug/kg	300000000	**---**	*29000*	200	U							210	U	200	U				
108-95-2	Phenol	ug/kg	210000000	**18000000**	*8000*	200	U							210	U	200	U				
129-00-0	Pyrene	ug/kg	18000000	**1700000**	*1100*	200	U							210	U	200	U				
Pohatcong-Pesticides-PCBs																					
72-54-8	4,4'-DDD	ug/kg	13000	**3000**	*21*	3.8	U							4.1	U	3.9	U				
72-55-9	4,4'-DDE	ug/kg	9000	**2000**	*21*	3.8	U							4.1	U	3.9	U				
50-29-3	4,4'-DDT	ug/kg	8000	**2000**	*21*	3.8	U							4.1	U	3.9	U				
309-00-2	Aldrin	ug/kg	200	**40**	*3.32*	2	U							2.1	U	2	U				
319-84-6	alpha-BHC	ug/kg	500	**100**	*2*	2	U							2.1	U	2	U				
5103-71-9	alpha-Chlordane	ug/kg	1000	**200**	*50*	2	U							2.1	U	2	U				
319-85-7	beta-BHC	ug/kg	2000	**400**	*2*	2	U							2.1	U	2	U				
319-86-8	delta-BHC	ug/kg	---	**---**	*300*	2	U							2.1	U	2	U				
60-57-1	Dieldrin	ug/kg	200	**40**	*3*	3.8	U							4.1	U	3.9	U				
959-98-8	Endosulfan I	ug/kg	6800000	**470000**	*119*	2	U							2.1	U	2	U				
33213-65-9	Endosulfan II	ug/kg	6800000	**470000**	*119*	3.8	U							4.1	U	3.9	U				
1031-07-8	Endosulfan Sulfate	ug/kg	6800000	**470000**	*35.8*	3.8	U							4.1	U	3.9	U				
72-20-8	Endrin	ug/kg	340000	**23000**	*10.1*	3.8	U							4.1	U	3.9	U				
7421-93-4	Endrin aldehyde	ug/kg	---	**---**	*10.5*	3.8	U							4.1	U	3.9	U				
53494-70-5	Endrin Ketone	ug/kg	---	**---**	*18000*	3.8	U							4.1	U	3.9	U				
58-89-9	gamma-BHC (Lindane)	ug/kg	2000	**400**	*2*	2	U							2.1	U	2	U				
5103-74-2	gamma-Chlordane	ug/kg	1000	**200**	*50*	2	U							2.1	U	2	U				
76-44-8	Heptachlor	ug/kg	700	**100**	*5.98*	2	U							2.1	U	2	U				
1024-57-3	Heptachlor Epoxide	ug/kg	300	**70**	*10*	2	U							2.1	U	2	U				
72-43-5	Methoxychlor	ug/kg	5700000	**390000**	*19.9*	20	U							21	U	20	U				
8001-35-2	Toxaphene	ug/kg	3000	**600**	*119*	200	U							210	U	200	U				
12674-11-2	Aroclor 1016	ug/kg	1000	**200**	*200*	38	U							41	U	39	U				
11104-28-2	Aroclor 1221	ug/kg	1000	**200**	*150*	38	U							41	U	39	U				
11141-16-5	Aroclor 1232	ug/kg	1000	**200**	*150*	38	U							41	U	39	U				
53469-21-9	Aroclor 1242	ug/kg	1000	**200**	*200*	38	U							41	U	39	U				
12672-29-6	Aroclor 1248	ug/kg	1000	**200**	*200*	38	U							41	U	39	U				
11097-69-1	Aroclor 1254	ug/kg	1000	**200**	*200*	38	U							41	U	39	U				
11096-82-5	Aroclor 1260	ug/kg	1000	**200**	*200*	38	U							41	U	39	U				
37324-23-5	Aroclor 1262	ug/kg	1000	**200**	*200*	38	U							41	U	39	U				
11100-14-4	Aroclor 1268	ug/kg	1000	**200**	*200*	38	U							41	U	39	U				
Pohatcong-Inorganics																					
7429-90-5	Aluminum	mg/kg	---	**78000**	*6000*																
7440-36-0	Antimony	mg/kg	450	**31**	*0.27*																
7440-38-2	Arsenic	mg/kg	19	**19**	*0.67*																
7440-39-3	Barium	mg/kg	59000	**16000**	*330*																
7440-41-7	Beryllium	mg/kg	140	**16**	*0.7*																
7440-43-9	Cadmium	mg/kg	78	**78**	*0.36*																
7440-70-2	Calcium	mg/kg	---	**---**	*---*																
7440-47-3	Chromium	mg/kg	---	**---**	*26*																
7440-48-4	Cobalt	mg/kg	590	**1600**	*13*																
7440-50-8	Copper	mg/kg	45000	**3100**	*28*																
57-12-5	Cyanide	mg/kg	23000	**1600**	*1.33*																
7439-89-6	Iron	mg/kg	---	**---**	*55000*																
7439-92-1	Lead	mg/kg	800	**400**	*11*																
7439-95-4	Magnesium	mg/kg	---	**---**	*---*																
7439-96-5	Manganese	mg/kg	5900	**11000**	*65*																
7439-97-6	Mercury	mg/kg	65	**23**	*0.00051*																
7440-02-0	Nickel	mg/kg	23000	**1600**	*38*																
7440-09-7	Potassium	mg/kg	---	**---**	*---*																
7782-49-2	Selenium	mg/kg	5700	**390**	*0.52*																
7440-22-4	Silver	mg/kg	5700	**390**	*1*																

Table H-2
ANC Exterior Soil Samples
Pohatcong Valley OU3 Study Area
Washington, NJ

					Sample Location	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205	PPP-SBD-205	PPP-SBD-207	PPP-SBD-207	PPP-SBD-207	PPP-SBD-207
					Sample Code	PPP-SBD-205-K	PPP-SBD-205-L	PPP-SBD-205-M	PPP-SBD-205-N	PPP-SBD-207-A	PPP-SBD-207-B	PPP-SBD-207-C	PPP-SBD-207-D
					Sample Date	3/2/2015	3/2/2015	3/3/2015	3/3/2015	2/27/2015	2/27/2015	2/27/2015	2/27/2015
					Start Depth	90	100	108	122	1	5	10	20
					End Depth	92	102	110	124	3	7	12	22
					Depth Unit	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs	ft bgs
					Parent Sample Code								
CAS	Chemical	Units	NRDC	**RDC**	*RI SOIL*								
7440-23-5	Sodium	mg/kg	---	**---**	---								
7440-28-0	Thallium	mg/kg	79	**5**	*0.78*								
7440-62-2	Vanadium	mg/kg	1100	**78**	*7.8*								
7440-66-6	Zinc	mg/kg	110000	**23000**	*46*								
Pohatcong-Geotechnical													
DUW	Dry Unit Weight	pcf	---	**---**	---								
MOIST	MOISTURE	%	---	**---**	---								
PERM	Permeability	cm/sec	---	**---**	---								
POROSITY	Porosity	%	---	**---**	---								
SOLID	Solids, Percent	%	---	**---**	---								
SG	Specific Gravity	sg	---	**---**	---								
TOC	Total Organic Carbon	mg/kg	---	**---**	---								

Notes:

ug/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
%	percent
cm/sec	centimeter per second
ft	feet
NJDEP	New Jersey Department of Environmental Protection
NJDEP NRDC	Non-residential Direct Contact Screening Criteria
NJDEP RDC	Residential Direct Contact Screening Criteria
pcf	per cubic feet

Cells highlighted blue indicate exceedance of NJDEP NRDC.

Cells bolded indicate exceedance of NJDEP NRDC.

Cells italicized indicate exceedance of NJDEP NRDC.

Table 2-6
Soil Sample Summary Table - 2015
Pohatcong Valley OU3 Study Area
Washington, NJ

Sample Location	Sample ID	Depth Top (Feet)	Depth Bottom (Feet)	Date and Time Collected	VOCs	SVOCs	PCBs	Pesticides	QA/QC
ANC Exterior Shallow Soil Borings (continued)									
PPP-SBS-211	PPP-SBS-211-A	0	2	01/21/2015 11:55	X	X	X	X	
PPP-SBS-211	PPP-SBS-211-B	5	7	01/21/2015 12:15	X	X	X	X	
PPP-SBS-211	PPP-SBS-211-C	10	12	01/21/2015 12:40	X				
PPP-SBS-211	PPP-SBS-211-D	20	22	01/21/2015 13:00	X				
PPP-SBS-211	PPP-SBS-211-E	30	32	01/21/2015 13:25	X	X	X	X	
PPP-SBS-211	PPP-SBS-211-F	38	40	01/21/2015 13:30	X				
PPP-SBS-212	PPP-SBS-212-A	0	2	01/16/2015 14:10	X	X	X	X	MS/MSD
PPP-SBS-212	PPP-SBS-212-B	5	7	01/16/2015 13:10	X	X	X	X	
PPP-SBS-212	PPP-SBS-212-C	10	12	01/16/2015 13:15	X				
PPP-SBS-212	PPP-SBS-212-D	20	22	01/16/2015 13:30	X				
PPP-SBS-212	PPP-SBS-212-E	30	32	01/16/2015 13:45	X	X	X	X	
PPP-SBS-212	PPP-SBS-212-F	35	37	01/16/2015 14:15	X				
ANC Exterior Deep Soil Borings									
PPP-SBD-201	PPP-SBD-201-A	0	3	03/19/2015 16:20	X	X	X	X	
PPP-SBD-201	PPP-SBD-201-B	5	7	03/19/2015 16:25	X	X	X	X	
PPP-SBD-201	PPP-SBD-201-C	10	12	03/19/2015 16:50	X				
PPP-SBD-201	PPP-SBD-201-D	20	22	03/19/2015 17:00	X				
PPP-SBD-201	PPP-SBD-201-E	30	32	03/19/2015 17:20	X	X	X	X	
PPP-SBD-201	PPP-SBD-201-F	40	42	03/19/2015 17:30	X				
PPP-SBD-201	PPP-SBD-201-G	50	52	03/20/2015 08:45	X				
PPP-SBD-201	PPP-SBD-201-H	60	62	03/20/2015 09:00	X	X	X	X	
PPP-SBD-201	PPP-SBD-201-I	70	72	03/20/2015 09:25	X				MS/MSD
PPP-SBD-201	PPP-SBD-201-J	81	83	03/20/2015 09:45	X				
PPP-SBD-204	PPP-SBD-204-A	0	2	03/03/2015 13:55	X	X	X	X	
PPP-SBD-204	PPP-SBD-204-B	4	5	03/03/2015 14:00	X	X	X	X	
PPP-SBD-204	PPP-SBD-204-C	10	12	03/03/2015 14:20	X				
PPP-SBD-204	PPP-SBD-204-D	20	22	03/03/2015 14:40	X				
PPP-SBD-204	PPP-SBD-204-E	30	32	03/03/2015 15:00	X	X	X	X	
PPP-SBD-204	PPP-SBD-204-F	40	42	03/03/2015 15:20	X				
PPP-SBD-204	PPP-SBD-204-G	50	52	03/03/2015 15:40	X				
PPP-SBD-204	PPP-SBD-204-H	60	62	03/03/2015 16:00	X	X	X	X	
PPP-SBD-204	PPP-SBD-204-I	70	72	03/03/2015 16:20	X				
PPP-SBD-204	PPP-SBD-9204-I	70	72	03/03/2015 16:20	X				Duplicate of PPP-SBD-204-I
PPP-SBD-204	PPP-SBD-204-J	80	82	03/03/2015 16:40	X				
PPP-SBD-204	PPP-SBD-204-K	91	93	03/03/2015 17:20	X	X	X	X	
PPP-SBD-204	PPP-SBD-204-L	101.5	102	03/03/2015 17:40	X				
PPP-SBD-205	PPP-SBD-205-A	1	3	03/02/2015 12:55	X	X	X	X	
PPP-SBD-205	PPP-SBD-205-B	5	7	03/02/2015 13:00	X	X	X	X	
PPP-SBD-205	PPP-SBD-205-C	10	12	03/02/2015 13:20	X				
PPP-SBD-205	PPP-SBD-205-D	20	22	03/02/2015 13:40	X				
PPP-SBD-205	PPP-SBD-205-E	30	32	03/02/2015 14:00	X	X	X	X	
PPP-SBD-205	PPP-SBD-205-F	40	42	03/02/2015 14:20	X				

Table 2-6
Soil Sample Summary Table - 2015
Pohatcong Valley OU3 Study Area
Washington, NJ

Sample Location	Sample ID	Depth Top (Feet)	Depth Bottom (Feet)	Date and Time Collected	VOCs	SVOCs	PCBs	Pesticides	QA/QC
ANC Exterior Deep Soil Borings (continued)									
PPP-SBD-205	PPP-SBD-205-G	50	52	03/02/2015 14:40	X				
PPP-SBD-205	PPP-SBD-205-H	60	62	03/02/2015 15:40	X	X	X	X	
PPP-SBD-205	PPP-SBD-9205-H	60	62	03/02/2015 15:40	X	X	X	X	Duplicate of PPP-SBD-205-H
PPP-SBD-205	PPP-SBD-205-I	70	72	03/02/2015 16:20	X				
PPP-SBD-205	PPP-SBD-205-J	80	82	03/02/2015 16:40	X				
PPP-SBD-205	PPP-SBD-205-K	90	92	03/02/2015 17:00	X	X	X	X	
PPP-SBD-205	PPP-SBD-205-L	100	102	03/02/2015 17:50	X				
PPP-SBD-205	PPP-SBD-205-M	108	110	03/03/2015 09:00	X				
PPP-SBD-205	PPP-SBD-205-N	122	124	03/03/2015 10:30	X				
PPP-SBD-207	PPP-SBD-207-A	1	3	02/27/2015 11:30	X	X	X	X	
PPP-SBD-207	PPP-SBD-207-B	5	7	02/27/2015 11:40	X	X	X	X	
PPP-SBD-207	PPP-SBD-207-C	10	12	02/27/2015 12:00	X				
PPP-SBD-207	PPP-SBD-207-D	20	22	02/27/2015 12:20	X				
PPP-SBD-207	PPP-SBD-207-E	30	32	02/27/2015 12:40	X	X	X	X	
PPP-SBD-207	PPP-SBD-207-F	40	42	02/27/2015 13:20	X				
PPP-SBD-207	PPP-SBD-207-G	50	52	02/27/2015 13:40	X				
PPP-SBD-207	PPP-SBD-207-H	60	62	02/27/2015 14:00	X	X	X	X	
PPP-SBD-207	PPP-SBD-207-I	70	72	02/27/2015 14:20	X				
PPP-SBD-207	PPP-SBD-207-J	80	82	02/27/2015 14:40	X				
PPP-SBD-207	PPP-SBD-207-K	90	92	02/27/2015 15:30	X	X	X	X	
PPP-SBD-207	PPP-SBD-207-L	103	105	02/27/2015 16:00	X				
PPP-SBD-236	PPP-SBD-236-A	0	2	02/26/2015 09:40	X	X	X	X	
PPP-SBD-236	PPP-SBD-236-B	5	7	02/26/2015 09:50	X	X	X	X	
PPP-SBD-236	PPP-SBD-236-C	10	12	02/26/2015 10:10	X				
PPP-SBD-236	PPP-SBD-236-D	20	22	02/26/2015 10:30	X				
PPP-SBD-236	PPP-SBD-236-E	30	32	02/26/2015 10:50	X	X	X	X	
PPP-SBD-236	PPP-SBD-236-F	40	42	02/26/2015 11:00	X				
PPP-SBD-236	PPP-SBD-236-G	50	52	02/26/2015 11:20	X				
PPP-SBD-236	PPP-SBD-9236-G	50	52	02/26/2015 11:20	X				Duplicate of PPP-SBD-236-G
PPP-SBD-236	PPP-SBD-236-H	60	62	02/26/2015 11:45	X	X	X	X	
PPP-SBD-236	PPP-SBD-236-I	70	72	02/26/2015 13:10	X				
PPP-SBD-236	PPP-SBD-236-J	80	82	02/26/2015 13:30	X				
PPP-SBD-237	PPP-SBD-237-A	5	7	02/25/2015 08:50	X	X	X	X	
PPP-SBD-237	PPP-SBD-237-B	8	10	02/25/2015 09:00	X	X	X	X	
PPP-SBD-237	PPP-SBD-237-C	13	15	02/25/2015 09:20	X				
PPP-SBD-237	PPP-SBD-237-D	20	22	02/25/2015 09:40	X				
PPP-SBD-237	PPP-SBD-237-E	30	32	02/25/2015 10:00	X	X	X	X	
PPP-SBD-237	PPP-SBD-237-F	40	42	02/25/2015 10:20	X				
PPP-SBD-237	PPP-SBD-237-G	50	52	02/25/2015 10:40	X				
PPP-SBD-237	PPP-SBD-237-H	60	62	02/25/2015 11:00	X	X	X	X	
PPP-SBD-237	PPP-SBD-237-I	70	72	02/25/2015 11:20	X				