

September 7, 2012

Mr. David J. Chiusano
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Subject: 3456 Oneida Street, Site No. 633049

Remedial Design Pre-Design Investigation Report (Phase III) - Draft

Work Assignment # D007619-12

MACTEC Engineering and Consulting, P.C., Project No. 3612122232

Dear Mr. Chiusano:

MACTEC Engineering and Consulting, P.C. (MACTEC), under contract to the New York State Department of Environmental Conservation (NYSDEC), is submitting this supplemental Pre-Design Investigation (PDI) Report (Report) summarizing investigation activities conducted during the third phase of PDI at the 3456 Oneida Street site (Site); formerly the Madden Property Site, in New Hartford, Oneida County, New York (Figure 1). The Site is listed as a Class 2 Inactive hazardous waste site; Site No. 633049 in the Registry of Hazardous Waste Sites in New York State (NYS). This Report has been prepared in accordance with the NYSDEC requirements in work assignment (WA) No. D007619-12, and with the April 2011 Superfund Standby Contract between MACTEC and the NYSDEC.

BACKGROUND

The objective of the PDI was to further evaluate the extent of polychlorinated biphenyl (PCB) contamination in surface and subsurface soils, and sediments at the Site, and abutting properties to the north, east, and south of the Site following recent (2011) storm events, namely Hurricanes Irene and Lee. The information and data collected during the PDI will be used in support of the Remedial Design.

PREVIOUS/RECENT INVESTIGATIONS

Previous investigations completed at the Site include the Remedial Investigation (Phases I and II),

the 2007 Interim Remedial Measure, and the 2008 Supplemental Investigation. In addition, recent

Site investigation activities to evaluate PCB levels in soils and sediment were conducted in late

2011 and early 2012 as part of Phases I and II of the PDI. Analytical results from samples

collected during these investigations indicate that concentrations of PCBs in surface soil,

subsurface soil, and sediment at the Site are above applicable NYS Standards, Criteria and

Guidance.

PRE-DESIGN INVESTIGATION ACTIVITIES – PHASE III

The field work described in this report completes those conducted as part of Phase III of the PDI

under Task 3 - Environmental Sampling and Implementation, and consistent with WA No.

D007619-12 and MACTEC's Field Activities Plans (FAPs) (MACTEC, 2012a,b) submitted to the

NYSDEC in April and July 2012. The field program for this phase of the PDI included completion

of the following subtasks:

• surface and subsurface soil sampling at 27 off-Site direct push boring locations

• soil sampling at three (3) non-direct push locations from debris pile located off-Site to the

north

soil sampling at five (5) on-Site geotechnical soil boring locations to evaluate the

engineering properties and stability of on-Site soils.

Surface and Subsurface Soil Sampling - Off-Site Locations

Direct Push Sample Locations: A total of 27 direct push exploration locations were completed during

Phase III of the PDI at off-Site locations shown on Figure 2 and Figure 3. GeoLogic NY, Inc., under

contract to MACTEC, provided direct push and drilling services conducted on abutting properties to

the north (19 locations) from June 12, 2012 to June 15, 2012, as well as direct push services on the

abutting railroad property to the east (8 locations) on July 25, 2012. Direct push soil borings were

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advanced to depths ranging from two feet to eight feet below ground surface (bgs). MACTEC personnel provided oversight during subsurface investigation activities and sample collection in accordance with the FAPs (MACTEC, 2012a,b).

Locations were each sampled continuously to characterize overburden materials prior to sampling. Photoionization detector headspace readings were used to screen soil samples for the presence of volatile organic compounds (VOCs) as each soil sample was removed from the sampler. Soil samples were described consistent with the Unified Soil Classification System. Following description, surface and subsurface soil samples were submitted to TestAmerica Laboratories, Inc. (which conducted its work through direct contract with the NYSDEC) under separate chain of custody for analysis. Soil sample description and classification, VOC headspace readings, and relevant observations were recorded on field data records provided in Attachment 1.

<u>Debris Pile Sample Locations:</u> In addition to the off-Site direct push soil borings, three (3) non-direct push soil samples (FP-014 to FP-016) were collected from within a debris pile located north of the Site, just west of the train tracks (see Figure 2). The pile, identified during preliminary remedial action activities conducted at the Site in early 2012, reportedly contains varying amounts of construction and demolition debris and is approximately 18 cubic yards in size. Samples from the debris pile were collected using hand tools, and were also submitted to TestAmerica Laboratories, Inc. for analysis in order to characterize PCB concentrations for disposal purposes.

Geotechnical Soil Borings

To evaluate the engineering properties and stability of soils along the eastern banks of the Sauquoit Creek, five (5) geotechnical soil borings (GT-001 to GT-005) were advanced along the east side of the creek, spaced roughly 85 feet from one another as shown on Figure 4. The objective of these borings was to establish the fill-to-native soil transition depth and to identify shallow fine-grained or organic layers, if present.

Soil samples were collected continuously from the ground surface to 12 feet bgs, and then sampled at standard 5-foot intervals until the borings were terminated at 27 feet bgs or refusal surface, whichever was encountered first. Based on information collected during previous investigations,

the fill-to-native soil transition depth is estimated to be between 5 and 15 feet bgs. . Photoionization detector headspace readings were used to screen extracted soil samples for the presence of VOCs. Soil samples were visually described consistent with the Unified Soil Classification System. Following description, three (3) gradation samples, including two (2) hydrometer samples were submitted to SJB Services, Inc. (under contract with MACTEC) to determine the particle size distribution within the fill and native materials present in this area of the creek. Soil sample description and classification, VOC headspace readings, and relevant observations were recorded on field data records provided in Attachment 1.

PRE-DESIGN INVESTIGATION RESULTS

Surface and Subsurface Soil Sampling

Unconsolidated overburden encountered during soil sampling at direct push exploration locations, consisting of placed fill materials overlying native soils observed at depths of generally between from four to eight feet bgs, are consistent with those described during previous investigations,. The fill material includes soils ranging from silts and clays to sands and gravels, which have been mixed with demolition debris comprised of bricks, concrete, metal, machinery parts, ash, and wood. This mixed fill material overlies a typically very dense glacial till which appears to be continuous throughout the Site.

Concentrations of PCBs in samples collected during Phase III of the PDI are consistent with those reported during previous investigations. Sample locations with corresponding analytical data are also shown on Figure 2 and Figure 3; analytical results from samples collected are summarized in Table 1 and Table 2. A chemistry review report and complete analytical results are included in Attachment 2.

Geotechnical Soil Borings

Unconsolidated overburden encountered during advancement of geotechnical soil borings GT-001 to GT-005 consisted of placed fill materials overlying native soils observed at depths between five to 14 feet bgs, consistent with previous investigations. Table 3 summarizes general boring characteristics and observations encountered during advancement, including approximate fill

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thickness (e.g. fill-to-native soil transition depth), various soil types encountered, and total boring depths. Results from gradation and hydrometer analyses for samples collected from soil borings GT-002 (at two depth intervals) and GT-004 (one depth interval) indicate overburden soils are classified as silty sand (GT-002 4'-6'), where underlying native materials are reported as silt with sand (GT-002 10'-12') and silt (GT-004 9.5'-10'). Particle size distribution reports are included in Attachment 3.

We appreciate the opportunity to present this report. If you have any questions or concerns please call Mark Stelmack at 207-828-3592 or Lucas Benedict at 207-828-3599.

Sincerely,

MACTEC Engineering and Consulting, P.C.

Mark J. Stelmack, PE

Project Manager

Project Scientist

cas J. Benedict

Enclosures (3)

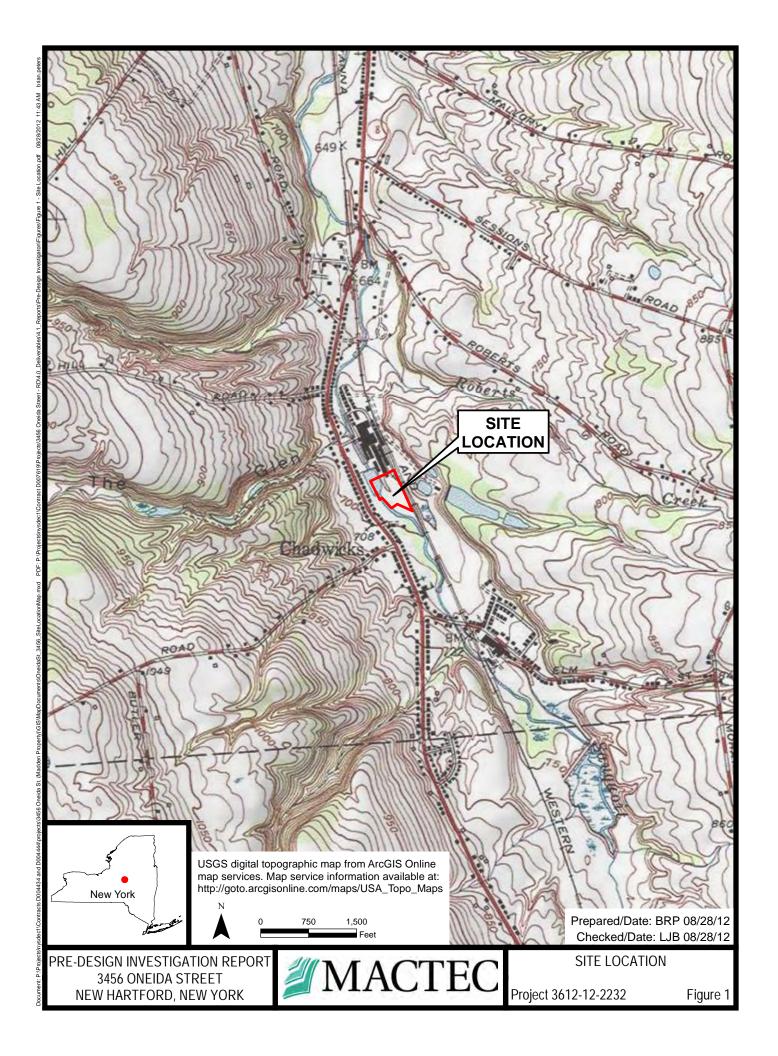
NYSDEC-Site No. 633049

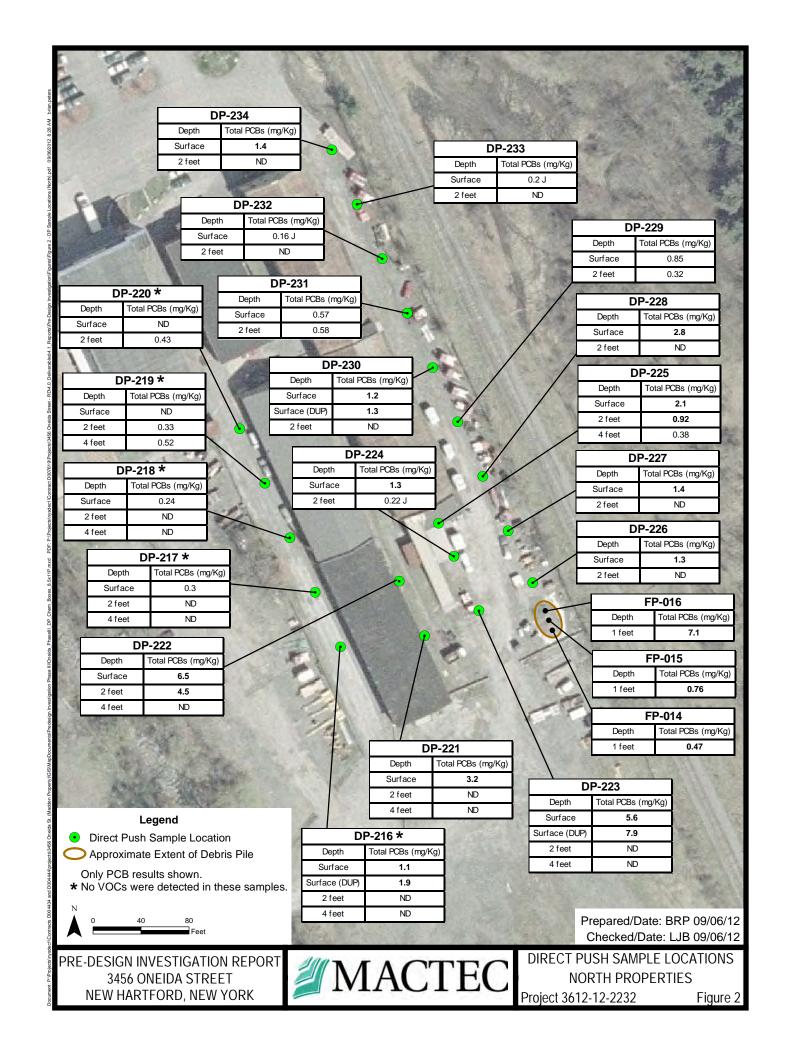
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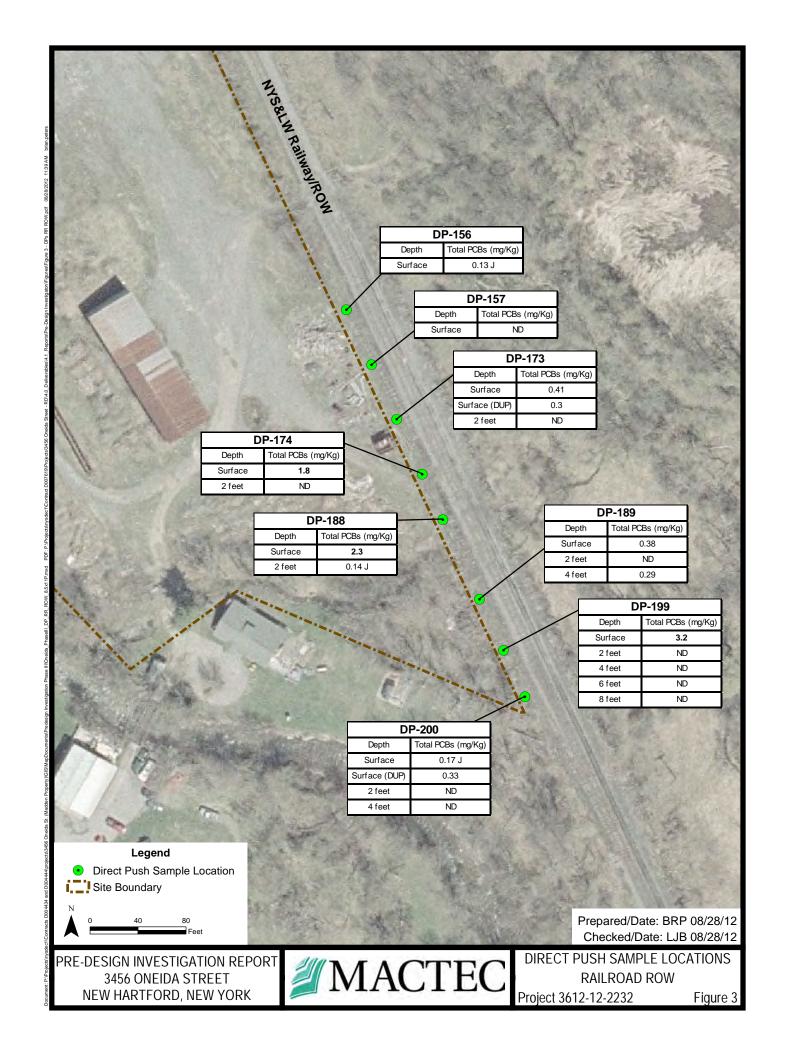
REFERENCES

MACTEC Engineering and Consulting, P.C. (MACTEC), 2012a. Field Activities Plan: Pre-Design Investigation – Phase III, 3456 Oneida Street Site (NYSDEC Site 633049). April 2012.

MACTEC Engineering and Consulting, P.C. (MACTEC), 2012b. Field Activities Plan: Pre-Design Investigation – Phase III (Rev. 1), 3456 Oneida Street Site (NYSDEC Site 633049). July 2012.







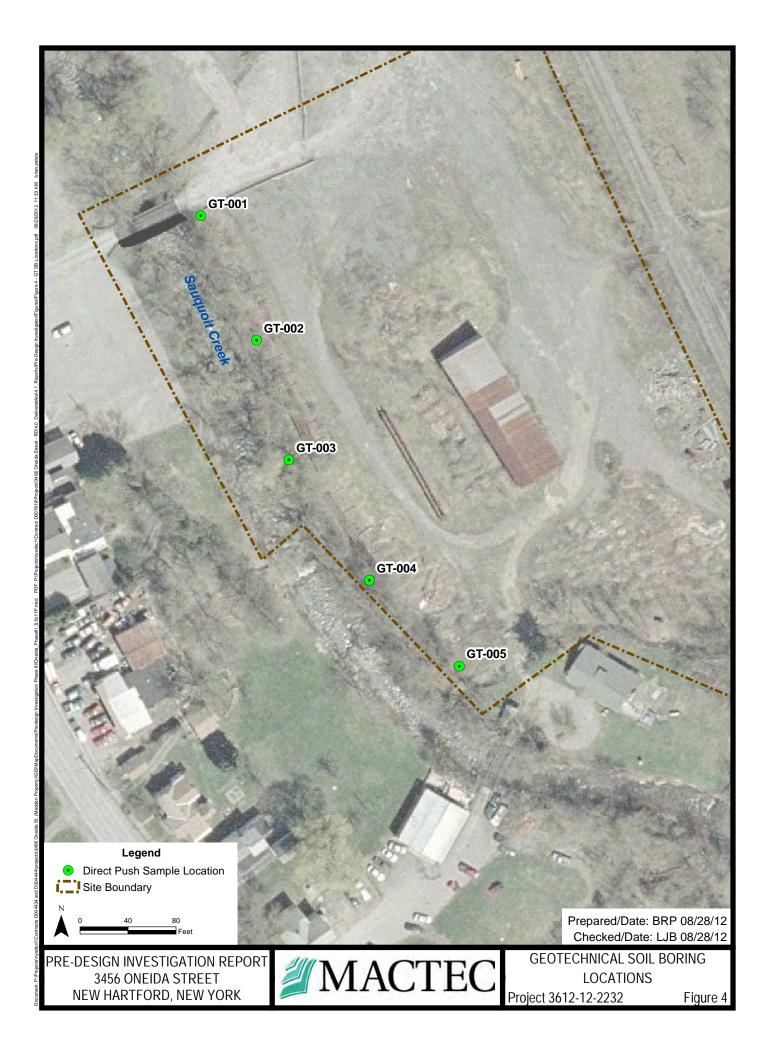


Table 1: Analytical Results Summary - Northern Properties (22 Sample Locations)

Location ID	Sample ID	QC Code	Sample Date	Depth (bgs)	Parameter	Result (mg/Kg	Qualifier
Direct Push	Soil Borings				-	-	
DP-216	MPDP21600012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	1.1	
DP-216	MPDP21600012XX	FS	12-Jun-12	0-0.2 ft	VOCs, All Target Compounds	ND	
DP-216	MPDP21600012XD	FD	12-Jun-12	0-0.2 ft	PCBs, Total	1.9	
DP-216	MPDP21600012XD	FD	12-Jun-12	0-0.2 ft	VOCs, All Target Compounds	ND	
DP-216	MPDP21600212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.24	U
DP-216	MPDP21600212XX	FS	12-Jun-12	1.8-2.3 ft	VOCs, All Target Compounds	ND	
DP-216	MPDP21600412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.27	U
DP-217	MPDP21700012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	0.3	
DP-217	MPDP21700012XX	FS	12-Jun-12	0-0.2 ft	VOCs, All Target Compounds	ND	
DP-217	MPDP21700212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.25	U
DP-217	MPDP21700212XX	FS	12-Jun-12	1.8-2.3 ft	VOCs, All Target Compounds	ND	
DP-217	MPDP21700412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.31	U
DP-218	MPDP21800012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	0.24	
DP-218	MPDP21800012XX	FS	12-Jun-12	0-0.2 ft	VOCs, All Target Compounds	ND	
DP-218	MPDP21800212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.22	U
DP-218	MPDP21800212XX	FS	12-Jun-12	1.8-2.3 ft	VOCs, All Target Compounds	ND	
DP-218	MPDP21800412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.18	U
DP-219	MPDP21900012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	0.21	U
DP-219	MPDP21900012XX	FS	12-Jun-12	0-0.2 ft	VOCs, All Target Compounds	ND	
DP-219	MPDP21900212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.33	
DP-219	MPDP21900212XX	FS	12-Jun-12	1.8-2.3 ft	VOCs, All Target Compounds	ND	
DP-219	MPDP21900412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.52	
DP-220	MPDP22000012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	0.2	U
DP-220	MPDP22000012XX	FS	12-Jun-12	0-0.2 ft	VOCs, All Target Compounds	ND	
DP-220	MPDP22000212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.43	
DP-220	MPDP22000212XX	FS	12-Jun-12	1.8-2.3 ft	VOCs, All Target Compounds	ND	
DP-221	MPDP22100012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	3.2	
DP-221	MPDP22100212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.3	U
DP-221	MPDP22100412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.26	U
DP-222	MPDP22200012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	6.5	
DP-222	MPDP22200212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	4.5	
DP-222	MPDP22200412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.29	U
DP-223	MPDP22300012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	5.6	
DP-223	MPDP22300012XD	FD	12-Jun-12	0-0.2 ft	PCBs, Total	7.9	
DP-223	MPDP22300212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.24	U
DP-223	MPDP22300412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.25	U
DP-224	MPDP22400012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	1.3	
DP-224	MPDP22400212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.22	J
DP-225	MPDP22500012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	2.1	
DP-225	MPDP22500212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.92	
DP-225	MPDP22500412XX	FS	12-Jun-12	3.8-4.3 ft	PCBs, Total	0.38	
DP-226	MPDP22600012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	1.3	
DP-226	MPDP22600212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.3	U
DP-227	MPDP22700012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	1.4	
DP-227	MPDP22700212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.26	U
DP-228	MPDP22800012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	2.8	**
DP-228	MPDP22800212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.24	U
DP-229	MPDP22900012XX	FS	12-Jun-12	0-0.2 ft	PCBs, Total	0.85	

Prepared by: LJB 8/28/2012 Checked By: MJS 9/6/2012

Table 1: Analytical Results Summary - Northern Properties (22 Sample Locations)

Location ID	Sample ID	QC Code	Sample Date	Depth (bgs)	Parameter	Result (mg/Kg	Qualifier
DP-229	MPDP22900212XX	FS	12-Jun-12	1.8-2.3 ft	PCBs, Total	0.32	
DP-230	MPDP23000012XX	FS	13-Jun-12	0-0.2 ft	PCBs, Total	1.2	
DP-230	MPDP23000012XD	FD	13-Jun-12	0-0.2 ft	PCBs, Total	1.3	
DP-230	MPDP23000212XX	FS	13-Jun-12	1.8-2.3 ft	PCBs, Total	0.24	U
DP-231	MPDP23100012XX	FS	13-Jun-12	0-0.2 ft	PCBs, Total	0.57	
DP-231	MPDP23100212XX	FS	13-Jun-12	1.8-2.3 ft	PCBs, Total	0.58	
DP-232	MPDP23200012XX	FS	13-Jun-12	0-0.2 ft	PCBs, Total	0.16	J
DP-232	MPDP23200212XX	FS	13-Jun-12	1.8-2.3 ft	PCBs, Total	0.27	U
DP-233	MPDP23300012XX	FS	13-Jun-12	0-0.2 ft	PCBs, Total	0.2	J
DP-233	MPDP23300212XX	FS	13-Jun-12	1.8-2.3 ft	PCBs, Total	0.26	U
DP-234	MPDP23400012XX	FS	13-Jun-12	0-0.2 ft	PCBs, Total	1.4	
DP-234	MPDP23400212XX	FS	13-Jun-12	1.8-2.3 ft	PCBs, Total	0.24	U
Fill Pile Soil	Samples						
FP-014	MPFP01400112XX	FS	13-Jun-12	1.0-2.0 ft	PCBs, Total	0.47	
FP-015	MPFP01500112XX	FS	13-Jun-12	1.0-2.0 ft	PCBs, Total	0.76	
FP-016	MPFP01600112XX	FS	13-Jun-12	1.0-2.0 ft	PCBs, Total	7.1	

Notes:

Results reported in milligrams per kilogram (mg/Kg) Sample Depth in feet below ground surface (bgs)

QC Code:

FS = Field Sample; FD = Field Duplicate

Bold = Compound detected in sample

Highlighted results ≥ 1.0 ppm Site Cleanup Goal (SCG)

 $\overline{ND} = Not detected$

Qualifiers:

U = Not detected greater than the reporting limit

J = Estimated value

Prepared by: LJB 8/28/2012 Checked By: MJS 9/6/2012

Table 2: Analytical Results Summary - Railroad ROW Sample Locations (8 Sample Locations)

Location ID	Sample ID	QC Code	Sample Date	Depth (bgs)	Parameter	Result (mg/Kg	Qualifier
DP-156	MPDP15600012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	0.13	J
DP-157	MPDP15700012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	0.22	U
DP-173	MPDP17300012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	0.41	
DP-173	MPDP17300012XD	FD	7/25/2012	0-0.2 ft	PCBs, Total	0.3	
DP-173	MPDP17300212XX	FS	7/25/2012	1.8-2.3 ft	PCBs, Total	0.27	U
DP-174	MPDP17400012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	1.8	
DP-174	MPDP17400212XX	FS	7/25/2012	1.8-2.3 ft	PCBs, Total	0.24	U
DP-188	MPDP18800012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	2.3	
DP-188	MPDP18800212XX	FS	7/25/2012	1.8-2.3 ft	PCBs, Total	0.14	J
DP-189	MPDP18900012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	0.38	
DP-189	MPDP18900212XX	FS	7/25/2012	1.8-2.3 ft	PCBs, Total	0.200	U
DP-189	MPDP18900412XX	FS	7/25/2012	3.8-4.3 ft	PCBs, Total	0.29	
DP-199	MPDP19900012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	3.2	
DP-199	MPDP19900212XX	FS	7/25/2012	1.8-2.3 ft	PCBs, Total	0.22	U
DP-199	MPDP19900412XX	FS	7/25/2012	3.8-4.3 ft	PCBs, Total	0.24	U
DP-199	MPDP19900612XX	FS	7/25/2012	5.8-6.3 ft	PCBs, Total	0.24	U
DP-199	MPDP19900812XX	FS	7/25/2012	7.8-8.3 ft	PCBs, Total	0.190	U
DP-200	MPDP20000012XX	FS	7/25/2012	0-0.2 ft	PCBs, Total	0.17	J
DP-200	MPDP20000012XD	FD	7/25/2012	0-0.2 ft	PCBs, Total	0.33	
DP-200	MPDP20000212XX	FS	7/25/2012	1.8-2.3 ft	PCBs, Total	0.25	U

Notes:

Results reported in milligrams per kilogram (mg/Kg)

Sample Depth in feet below ground surface (bgs)

QC Code:

FS = Field Sample; FD = Field Duplicate

Qualifiers:

U = Not detected greater than the reporting limit

J = Estimated value

Bold = Compound detected in sample

Highlighted results ≥ 0.1 ppm Site Cleanup Goal (SCG)

Table 3: Geotechnical Boring Summary Table

Location ID	Total Depth (ft BGS)	Approximate Fill Thickness (ft)	Overburden Soils Encountered*	Refusal Surface (Y/N)
GT-001	22	13.5	Fill; Till (SM)	N
GT-002	16.3	10	Fill; Silt/Till (ML)	Y
GT-003	27	6.3	Fill; Sand (SW,SP-SM); Silt/Alluvium (ML)	N
GT-004	11.5	7.5	Fill, Silt/Alluvium (ML)	Y
GT-005	12.3	4.7	Fill; Till (SM)	Y

Notes:

ft = feet

BGS = below ground surface

^{* =} Unified Soil Clasification System (USCS) designation(s) applied, where appropriate.

NYSDEC-Site No. 633049

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ATTACHMENT 1

FIELD DATA RECORDS

	SURFA	CE SOIL SAMPI	ING RECOR	D		
						6-13-13 502
MACTEC	PROJECT NAME	a at. mara		SAMPLE LOCATIO		DATE
511 Congress Street, Portland Maine 04101	PROJECT NUMBER	a Street Site - PDI Pha	se 111	DP-3	-16	END TIME
311 Congress Street, Fortune traine 04101		3612122232/03		I START TIME	ن⁄ي	10:20
	MPDP 216	sam in Vic	AMPLE TIME	SITE NAME/NUMB		PAGE
	What will	000 12 X X	10:20	Mullen Proper	ty/633049	OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION	N EQUIPMENT	DEC	ON FLUIDS USED
X DISCRETE	TOP Surface (0")		HAND AU	GER/CORER		ALL USED
COMPOSITE	воттом 2"	<u> </u>	S.S. SPLIT	•		LIQUINOX/DI H ₂ O SOLUTION
			ALUMINIU			DEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:	Œ		EL OON/SPATULA		POTABLE WATER NITRIC ACID
DUPLICATE	ORGANIC		S.S. BUCK			HEXANE
EQ BLK	SAND	•	OTHER		\vdash	ا 25% METHANOL/75% ASTM TYPE II H ₂ C
	GRAVEL					ETHYL ALCOHOL
MS/MSD: YES	CLAY		SAMPLE OBSE	RVATIONS	Pres p. c	West of the second seco
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			OTHER			YES
			PID			NO
AND VIEW OF A DAMPINE DO		•				
ANALYTICAL PARAMETERS		PRESERVATION		CAMPIE	00	
PARAMETER	METHOD NUMBER	METHOD	VOLUME REQUI	RED SAMPLE COLLECTED	COLLECTED COLLECTED	SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Solids	8082A	4°C	(1) 4oz Amber	Jar /		~ ~~
@ X BIEX	5035A 8260C	MEOH LHETO	3×40 N.			8 7/1/12
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Sampler Signature Super Signature	Print Name: Thomas Date: 7/11/12	7 / 1				FIGURE 4.12
/1/K10/	1 . I	w. my/ey	•	SU	RFACE SC	PIGURE 4.12 DIL SAMPLING RECORD
Checked By:	Date: 7/11/12	4 0				RANCE PROJECT PLAN
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	SURF	ACE SOIL SAMPL	ING RECORD			
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NUMBER	olda Street Site - PDI Phas 3612122232/03		SAMPLE LOCATION DO - 317 START TIME	S	DATE 6-12-13- END TIME //: 3-
	MPDP 21	7000 12 XX SA	MPLE TIME	SITE NAME/NUMB Mullen Proper		PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION I	EQUIPMENT	DEC	ON FLUIDS USED
DISCRETE COMPOSITE OC SAMPLES DUPLICATE EQ BLK MS/MSD: YES NG ANALYTICAL PARAMETERS	TOP Surface (0' BOTTOM 2" TYPE OF MATERIAL; ORGANIC SAND GRAVEL CLAY FILL OTHER	")	HAND AUGE S.S. SPLIT B, ALUMINIUM S.S. SHOVEL HAND SPOO S.S. BUCKET OTHER SAMPLE OBSER ODOR COLOR OTHER PID	ARREL APAN NN/SPATULA	FIELDS	ALL USED IQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER SITRIC ACID BEXANE SS METHANOL/75% ASTM TYPE II H ₂ C ETHYL ALCOHOL KETCH SHOWN/ATTACHED YES
PARAMETER X PCB/Percent Solids X BTE X	METHOD NUMBER 8082A 50354 8260 C	PRESERVATION METHOD 4°C Meoh, How	VOLUME REQUIRE (1) 40z Amber Ja 3 × 40 n L	COLLECTED ,	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS A 2/1/4
A DIEX	30374 0260 0	11204, 4200	3 ~ 70 m L		the control of the co	
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NOTES		SK	кетсн			
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11 - 1	,					
Sampler Signature:	Print Name: Thom	ex D. Longley				FIGURE 4.12 IL SAMPLING RECORD
Checked By:	Date: 7/11/12			MYSDEC QUAL	HY ASSU	RANCE PROJECT PLAN

	SURFACE SOI	L SAMPLING RECO	RD	
MACTEC	PROJECT NAME		SAMPLE LOCATION	DATE
511 Congress Street, Portland Maine 04101	. 3456 Onelda Street St PROJECT NUMBER	te - PDI Phase III	DP-318 START TIME	6 - 13 - 13 -
	36121222		11:40	11:48
	MPDP218 000/JX	× SAMPLE TIME	SITE NAME/NUMBER Mullen Property/633049	PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		ON EQUIPMENT	DECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	—	UGER/CORER IT BARREL	ALL USED LIQUINOX/DI H₂O SOLUTION
OC SAMPLES	TYPE OF MATERIAL:	ALUMIN S.S. SHO	HUM PAN	DEIONIZED WATER POTABLE WATER
		HAND S	POON/SPATULA	NITRIC ACID
DUPLICATE EQ BLK	ORGANIC SAND	S.S. BUC	CKET	HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ C
MS/MSD:	GRAVEL	SAMPLE OBS	SERVATIONS .	ETHYL ALCOHOL
YES NO (9)	FILL	odor, <u>Bl</u> color	'ack color FIE	LD SKETCH SHOWN/A'TTACHED
		OTHER		YES
		PID		NO
ANALYTICAL PARAMETERS	-	ittero)		
PARAMETER		VATION VOLUME REQUIRED	COLLECTED COLLEC	SAMPLE BOTTLE ID TED NUMBERS
X PCB/Percent Solids 3 TEX	8082A 4 55354 8260c Meo	°C (1) 40z Amb	er Jar	
V 010X	30 5 SAT 0 200 E PIEO	3 % 70 % 5		
NOTES		SKETCH		
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Alnan				
Sampler Signature. Me 19. hully	Print Name: Thomas D. Lo	myles		FIGURE 4.12
Checked By:	Date: 7/11/12	09	SURFACE	SOIL SAMPLING RECORD
CHARGEDY.	Date: +/11/1	- 1	MYSDEC QUALITY AS	SURANCE PROJECT PLAN
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	SURFACE SOIL	SAMPLING RECOR	<u> </u>	
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Oncida Street Site PROJECT NUMBER 3612122232		SAMPLE LOCATION DP-219 START TIME 12:15	DATE 6-13-13 END TIME 12:25
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE ID MPDP H9 000 13 X SAMPLE INTERVAL:	X JJ 20	SITE NAME/NUMBER Mullen Property/633049	PAGE
X DISCRETE COMPOSITE OC SAMPLES DUPLICATE	TOP Surface (0") BOTTOM 2" TYPE OF MATERIAL: ORGANIC	S.S. SPLIT ALUMINIU S.S. SHOV	UM PAN EL OON/SPATULA	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE
MS/MSD: YES NO W	SAND GRAVEL CLAY FILL OTHER	OTHER SAMPLE OBSE	ERVATIONS.	25% METHANOL/75% ASTM TYPE II H ₂ C ETHYL ALCOHOL LD SKETCH SHOWN/ATTACHED YES NO
ANALYTICAL PARAMETERS PARAMETER PCB/Percent Solids ATEX	METHOD NUMBER 8082A 4°C 5035A 8260C Mc0	OD VOLUME REQUI	COLLECTED COLLE	
				1
NOTES		SKETCH		
NOTES NOTES Sampler Signature:	Print Name: Thomas D. Logle Date: 7/11/12			FIGURE 4.12 SOIL SAMPLING RECORD SURANCE PROJECT PLAN

	SURFA	CE SOIL SAM	IPLING RECOR	D	
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Onele PROJECT NUMBER	da Street Site - PDI	Phase III	SAMPLE LOCATION DP-220 START TIME	DATE 6 -/3 -/3-
	SAMPLE ID	3612122232/03	SAMPLE TIME	12:05 SITE NAME/NUMBER	/2:35 PAGE
SAMPLE INFORMATION	MPDP 2200	0012XX	12:35	Mullen Property/63304	
TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION	NEQUIPMENT	DECON FLUIDS USED
X DISCRETE COMPOSITE OC SAMPLES DUPLICATE EQ BLK	TOP Surface (0" BOTTOM 2" TYPE OF MATERIAL: ORGANIC SAND)	S.S. SPLIT ALUMINIU S.S. SHOV	JM PAN EL DON/SPATULA	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ C
MS/MSD: VES NO W	GRAVEL CLAY FILL OTHER		SAMPLE OBSE ODOR COLOR OTHER PID		ETHYL ALCOHOL EÉD SKETCH SHOWN/ATTACHED NO
ANALYTICAL PARAMETERS					
PARAMETER X PCB/Percent Solids X R1 Ex	8082A 5035 1- /8260C	PRESERVATION METHOD 4°C Mc0H	VOLUME REQUE (I) 40z Amber 3 * 40 a.L.	COLLECTED COLLE	C SAMPLE BOTTLE ID NUMBERS
	100000000000000000000000000000000000000				
NOTES		\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	SKETCH .		
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1/11/1				The state of the s	
Sampler Signature: Aufg	Print Name: The mass	D. Longley		SURFACE NYSDEC QUALITY A	FIGURE 4.12 SOIL SAMPLING RECORD SSURANCE PROJECT PLAN

	SURFACE SOII	L SAMPLING RECOR	D	
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Oneida Street Sid PROJECT NUMBER 361212223	32/03	SAMPLE LOCATION DP-221 START TIME 13:45	DATE 6-13-12 END TIME 13:50
SAMPLE INFORMATION	MPDP 222 00012 XA		SITE NAME/NUMBER Mullen Property/633049	PAGE OF
TYPE OF SAMPLE X DISCRETE COMPOSITE QC SAMPLES DUPLICATE EQ BLK MS/MSD:	MF DP 221 00 012 X A SAMPLE INTERVAL: TOP Surface (0") BOTTOM 2" TYPE OF MATERIAL: ORGANIC SAND GRAVEL CLAY	HAND AU S.S. SPLIT ALUMINI S.S. SHOV HAND SPC S.S. BUCK OTHER SAMPLE OBSE	GER/CORER BARREL UM PAN EL DON/SPATULA LET ERVATIONS	ALL USED ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ ETHYL ALCOHOL
NO NO	FILL OTHER	ODOR COLOR OTHER PID	FIEL CO.	D SKETCH SHOWN/ATTACHED YES NO
ANALYTICAL PARAMETERS PARAMETER X PCB/Percent Solids	METHOD NUMBER PRESERV METH 8082A 4°4	HOD VOLUME REQUI	COLLECTED COLLECT	SAMPLE BOTTLE ID NUMBERS
NOTES		SKETCH		
			· · · · · · · · · · · · · · · · · · ·	
Sampler Signature: Hy J. Payly	Print Name: Thems D. Long	ley	OVER LODGE	FIGURE 4.12 OIL SAMPLING RECORD

#MACTEC	PROJECT NAME 3456 Onelda Street Site - P.	MPLING RECORE	SAMPLE LOCATION DP-212	DATE 6-12-12
511 Congress Street, Portland Maine 04101	PROJECT NUMBER		START TIME /3 55	END TIME 14:04
· ·	MPDP 222 00013 XX	SAMPLE TIME 14";OH	SITE NAME/NUMBER Mullen Property/633049	PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	EQUIPMENT	DECON FLUIDS USED
DISCRETE COMPOSITE OC SAMPLES DUPLICATE EQ BLK MS/MSD: YES NO(b)	TOP Surface (0") BOTTOM 2" TYPE OF MATERIAL: ORGANIC SAND GRAVEL CLAY FILL OTHER	S.S, SPLIT I ALUMINIU S.S. SHOVE HAND SPO S.S, BUCKE OTHER SAMPLE OBSE! ODOR	M PAN EL ON/SPATULA ET RVATIONS	ALL USED LÍQUINOX/DI H;O SOLUTION DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II ETHYL ALCOHOL YES NO
ANALYTICAL PARAMETERS PARAMETER X PCB/Percent Solids	METHOD NUMBER PRESERVATION 8082A 4°C	ON VOLUME REQUIF	COLLECTED COLLE	
NOTES		SKETCH		
			•	
iampter Signature: Januar D. Tayly	Print Name: Thomas D. Longley Date: 7/11/12		SURFACE	FIGURE 4. E SOIL SAMPLING RECOR

	PROJECT NAME		SAMPLE LOCATION	DATE
MACTEC	3456 Oneida Street Sit	te - PDI Phase III	DP-223	
511 Congress Street, Portland Maine 04101	PROJECT NUMBER 361212223	32/03	START TIME 14:25	END TIME 14:35
	SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	
•	MPDP 22300012	XX 1435	Mullen Property/e	
AMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	<u>COLLECTIO</u>	N EQUIPMENT .	DECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	S.S. SPLIT		ALL USED LIQUINOX/DI H ₂ O SOLUTIO
OC SAMPLES	TYPE OF MATERIAL:	S.S. SHOV		DEIONIZED WATER POTABLE WATER
DUPLICATE	ORGANIC	S.S. BUCK		NITRIC ACID HEXANE
EQ BLK	SAND	OTHER		25% METHANOL/75% ASTM
MGAACTA	GRAVEL CLAY	CAMBLE ODGE	EDVATIONS	ETHYL ALCOHOL
M8/MSD:	FILL	SAMPLE OBSE ODOR	2-4	FIELD SKETCH SHOWN/ATTACH
	OTHER	COLOR		
		OTHER		XES
		PID		NO NO
NALYTICAL PARAMETERS				
PARAMETER		VATION VOLUME REQUI	RED SAMPLE	QC SAMPLE BOTTLE
X PCB/Percent Solids	MET	HOD	COLLECTED	COLLECTED NUMBERS
A PCB/Percent Solids	0002A 4	°C (1) 4oz Amber	Jar Jes -	ges
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OTES	,	SKETCH		
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front 13 and	rlain by Tar		·	
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fact 13 and	rlam my Tar		•	
frest 13 and	rlawn wy Tax			
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faith 13 and	rlawn wy Tar			
April 13 and	rlam by Tar			
ober Signatura Man D. Layly	Print Name: Thomas D. Long			FIGU

	SURFACE SOIL SA	MPLING RECOR	D	
	PROJECT NAME		SAMPLE LOCATION	DATE
MACTEC	3456 Oneida Street Site - PD	Phase III	DP-224	G-12-12
511 Congress Street, Portland Maine 04101	PROJECT NUMBER		START TIME	END TIME 14:55
	MPDP 224 000 12 XX	SAMPLE TIME 14:55	SITE NAME/NUMBER Mullen Property/633049	PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	N EQUIPMENT I	DECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	S.S. SPLIT	UM PAN	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES DUPLICATE	TYPE OF MATERIAL: .	 	DON/SPATULA	POTABLE WATER NITRIC ACID
EQ BLK	SAND	S.S. BUCK	Ei	HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ C ETHYL ALCOHOL
MS/MSD:	CLAY	SAMPLE OBSE		
V NO B	OTHER_	COLOR	Na HEL	D SKETCH SHOWN/ATTACHED
		OTHER PID		YES NO
ANALYTICAL PARAMETERS				
PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQUI	RED SAMPLE QC COLLECTED COLLECT	SAMPLE BOTTLE ID TED NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber	Jar yes No	
		· · · · · · · · · · · · · · · · · · ·		
NOTES	-	SKETCH		
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	,			
Sampler Signature: Thun Q. Th. A.	Print Name: Thomas D. Longley			DECEMBER
CARNO!				FIGURE 4.12 SOIL SAMPLING RECORD
Cheeked By:	Date: 71112		NYSDEC QUALITY ASS	SURANCE PROJECT PLAN

	SURFACE SOIL S	AMPLING RECOR	D		
MACTEC	PROJECT NAME 3456 Onelda Street Site -	PDI Phase III	SAMPLE LOCATION DP · ZZ	5 6-12-12	
511 Congress Street, Portland Maine 04101	PROJECT NUMBER		START TIME	END TIME 15:05	1
	3612122232/0 SAMPLE ID	SAMPLE TIME	14: 40	PAGE	-
	MPDP 22500012XX	15:05	Mullen Property/6	33049 / OF]
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	LEQUIPMENT	DECON FLUIDS USED	
X DISCRETE	TOP Surface (0") BOTTOM 2"	— —	GER/CORER	ALL USED	
COMPOSITE	,	S.S. SPLIT ALUMINIU		LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER	
OC SAMPLES	TYPE OF MATERIAL:	S.S. SHOVE	EL . OON/SPATULA	POTABLE WATER NITRIC ACID	
DUPLICATE EQ BLK	ORGANIC	S.S. BUCK	ET	HEXANE	
L EQUEK	GRAVEL	U. OTHER		25% METHANOL/75% ASTM TYPE ETHYL ALCOHOL	ли н ₂ с
MS/MSD:	CLAY FILL	SAMPLE OBSE			
NO NO	OTHER	ODOR COLOR	ONE	FIELD SKETCH SHOWN/ATTACHED	
		OTHER		YES	
		PID	<u>-</u>	NO NO	
ANALYTICAL PARAMETERS					
PARAMETER	METHOD NUMBER PRESERVAT METHOL		RED SAMPLE COLLECTED C	QC SAMPLE BOTTLE ID COLLECTED NUMBERS	
X PCB/Percent Solids	8082A 4°C .	(1) 4oz Amber	Jar <u>Ges</u>		_
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NOTES		OVERDON			
NOTES		SKETCH			
Tooh =	sample off of pad, n 3 East				
	* 00 F				
Concrete	Pad, ~ 3 EAST		•		
OF 13-05	·				
Porei	NG				
	I .				
1/2 SO 1/2	Print Name: Thomas D. Layle				
Sampler Signature:	Print Name: / Mas D. Longles	,	SURF	FIGURE ACE SOIL SAMPLING RECO	
Checked By:	Date: 7/11/12			Y ASSURANCE PROJECT P	

	SURFACE SOIL SAN	APLING RECORI		
MACTEC	PROJECT NAME 3456 Oneida Street Site - PDI	Phase III	SAMPLE LOCATION MP DP - 226	DATE 6-13-12
511 Congress Street, Portland Maine 04101	PROJECT NUMBER 3612122232/03		START TIME 15:15	END TIME 15:36
CAMPA E ANDONA ATVON	SAMPLE 1D MPDP 276 600 172XX	SAMPLE TIME 15:76	SITE NAME/NUMBER Mullen Property/633049	PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	EQUIPMENT [DECON FLUIDS USED
DISCRETE COMPOSITE OC SAMPLES DUPLICATE EQ BLK MS/MSD: YES NO W	TOP Surface (0") BOTTOM 2" TYPE OF MATERIAL: ORGANIC SAND GRAVEL CLAY FILL OTHER	S.S. SPLIT I ALUMINIU S.S. SHOVE HAND SPO S.S. BUCKI OTHER SAMPLE OBSEI	M PAN LIL ON/SPATULA ET RVATIONS	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ ETHYL ALCOHOL D SKETCH SHOWN/ATTACHED XPS NO
ANALYTICAL PARAMETERS PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQUIR	CAMPLE	SAMPLE BOTTLE ID
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber I	_	
	7/1/12			
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NOTES	·	SKETCH .		
washed sediment	~ The of realist			
washed sediment of prive/purhy area	TOP OF ASPARA			
Jane, area				
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1/100				
Sampler Signatue Checked By:	Print Name: Thomas D. Longley Date: 2/11/12			FIGURE 4.12 SOIL SAMPLING RECORI SURANCE PROJECT PLAN
V	77			

	SURFAC	CE SOIL SAM	PLING RECOR	D		
#MACTEO	PROJECT NAME			SAMPLE LOCATI		DATE (-12 -12
511 Congress Street, Portland Maine		Street Site - PDI P	hase III	DP- 22	- 	6-12-12
311 Congress Street, 1 Ortana Wante		3612122232/03		START TIME 15 ! 35		15:45
·	MFDP 224	00012XX	SAMPLE TIME 15: 45	SITE NAME/NUM Mullen Prope	l	PAGE / OF /
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION	LEOUIPMENT	DEC	ON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	_	HAND AUG		L	IL USED IQUINOX/DI H2O SOLUTION BEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:		s.s. shov		P	OTABLE WATER
DUPLICATE EQ BLK	ORGANIC SAND GRAVEL		S.S. BUCK OTHER		. H	ITNE ACID IEXANE 5% METHANOL/75% ASTM TYPE II H ₂ 4 THYL ALCOHOL
MS/MSD:	CLAY	_	SAMPLE OBSE	RVATIONS	MELD SI	KETCH SHOWN/ATTACHED
NO (A)	OTHER_ 51	<u> </u>	COLOR OTHER PID		ر □۔	ZBS
ANALYTICAL PARAMETERS			· ·		<u> </u>	
PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUI	RED SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Soli	ds 8082A	4°C	(1) 4oz Amber	_	No	- In the second of the second
NOTES			SKETCH			-
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Washed MITE	orial on top of prove	ed		•		
SURFACE	J					
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	y.					
100	•			, <u> </u>		
Sampler Signature:	Print Name: Thomas	D. Longley		SU	RFACE SO	FIGURE 4.12 IL SAMPLING RECORI
Checked By:	Date: 7 11 12	<i>U</i>				RANCE PROJECT PLAN

MACTEC	PROJECT NAME 3456 Onelda Street Site - PD	I Phase III	SAMPLE LOCATION DP-228	DATE 6-13-12
511 Congress Street, Portland Maine 04101	PROJECT NUMBER 3612122232/03		START TIME	END TIME /6:63-
	SAMPLE ID MPDP 228 000 / JXX	SAMPLE TIME	SITE NAME/NUMBER	PAGE
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	Mullen Property/633	
				DECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	HAND AUG	BARREL	ALL USED LIQUINOX/DI H ₂ O SOLUTION
OC SAMPLES	TYPE OF MATERIAL:	ALUMINIUI S.S. SHOVE	3L	DEIONIZED WATER POTABLE WATER
DUPLICATE	ORGANIC	HAND SPO	ON/SPATULA ET	NITRIC ACID HEXANE
EQ BLK	SAND	OTHER		25% METHANOL/75% ASTM TYPE II ETHYL ALCOHOL
MS/MSD:	CLAY FILL	SAMPLE OBSER		
NO (14)	OTHER	COLOR	ne	FIELD SKETCH SHOWN/ATTACHED
·		OTHER PID		C NOW
ANALYTICAL PARAMETERS				
PARAMETER	METHOD NUMBER PRESERVATION METHOD	N VOLUME REQUIR	RED SAMPLE COLLECTED CO	QC SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber J	lar ges _	
NOTES		SKETCH		
denosited goil is			·	
deposited soil on to	of Tarred			
Sunaci			•	
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	SURFACE SOIL S	AMPLING RECOR	D	
	PROJECT NAME		SAMPLE LOCATION	DATE ,
511 Congress Street, Portland Maine 04101	3456 Oneida Street Site - PROJECT NUMBER	PDI Phase III	DP-279 START TIME	6-13-13 END TIME
, , , , , , , , , , , , , , , , , , ,	3612122232/0		16:05	16:18
	MPDP 22900012)	SAMPLE TIME 16:18	SITE NAME/NUMBER Mullen Property/63	33049 PAGE / OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	I EQUIPMENT	DECON FLUIDS USED
DISCRETE COMPOSITE OC SAMPLES DUPLICATE EQ BLK MS/MSD: YES	TOP Surface (0") BOTTOM 2" TYPE OF MATERIAL: ORGANIC SAND GRAVEL CLAY FILL	S.S. SPLIT ALUMINIU S.S. SHOV HAND SPC S.S. BUCK OTHER SAMPLE OBSE	JM PAN EL JON/SPATULA ET	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ C ETHYL ALCOHOL FIELD SKETCH SHOWN/ATTACHED
NO (C)	OTHER	COLOR OTHER PID		YHS
		PID		C NOW
ANALYTICAL PARAMETERS PARAMETER X PCB/Percent Solids	METHOD NUMBER PRESERVAT METHOD 8082A 4°C		COLLECTED C	QC SAMPLE BOTTLE ID NUMBERS
The state of the s				
	Will the Control of t			
NOTES		SKETCH		
		·		
Sample from sed				
top of farmed A	lea			
Sampler Signature Jan Day	Print Name: Thomas D. Long Le	7		FIGURE 4.12 ACE SOIL SAMPLING RECORD Y ASSURANCE PROJECT PLAN

	SURF	ACE SOIL SAM	PLING RECORD			
MACTEC	PROJECT NAME	elda Street Site - PDI I	Phase III	SAMPLE LOCATIO	ON Ø	DATE 6-13-17
511 Congress Street, Portland Maine 04101	PROJECT NUMBER		. mige III	START TIME		END TIME
	SAMPLE ID	3612122232/03	SAMPLE TIME	SITE NAME/NUMB	ER	0845 PAGE
GLAMPI E INDONACI TVON	MPDP 230	00017XX	08:45	Mullen Proper	ty/633049	of /
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION E	EQUIPMENT	DEC	CON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0	")	HAND AUGE S.S. SPLIT BA	•	— ⊢ −	ALL USED JIQUINOX/DI H ₂ O SOLUTION
QC SAMPLES	TYPE OF MATERIAL;		ALUMINIUM S.S. SHOVEL			DEIONIZED WATER POTABLE WATER
	TITE OF MATERIAN,		HAND SPOO			NITRIC ACID
DUPLICATE EQ BLK	ORGANIC SAND		S.S, BUCKET OTHER	•		HEXANE 25% METHANOL/75% ASTM TYPE II H-C
	GRAVEL					ETHYL ALCOHOL
MS/MSD: YES	CLAY		SAMPLE OBSERT	VATIONS Me	FIELD:	SKETCH SHOWN/ATTACHED
NO	OTHER		COLOR			SILD TOTO WINTE TACHED
	•		OTHER			YES
						NO
ANALYTICAL PARAMETERS		PRESERVATION		CAMPIE	00	
PARAMETER	METHOD NUMBER	METHOD	VOLUME REQUIRE	D SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Solids	8082A	4°C	(1) 4oz Amber Ja	- Jos	yes	No. of the last of
						
	U .					
NOTES			SKETCH			
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				•		
Sampho	e uf Deep					
	NS					•
				,		
	MSD					
	Cdle	cted				
	4-50	res				•
no turned su	when he					
700 700	or for the					
	•	,				
					•	
11 11						
Sampler Signature. Monny Johny G	Print Name: Thus	ms D. Longles				FIGURE 4.12
Checked By:	Date: 7/11/12	08	,			OIL SAMPLING RECORD
	Date: VIAII			LESORC GOVE	111 A99F	JRANCE PROJECT PLAN

	SURFACI	E SOIL SAMP	LING RECORD			
MACTEC	PROJECT NAME 3456 Onelda Street Site - PDI Phase III		ase III	SAMPLE LOCATION DP-J31		DATE 6-13-13
511 Congress Street, Portland Maine 04101	PROJECT NUMBER	12122232/03		START TIME		END TIME
	SAMPLE ID MPDP 231 000		SAMPLE TIME 0910	SITE NAME/NUME Mullen Proper	BER	PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION E	QUIPMENT	DEC	CON FLUIDS USED
DISCRETE COMPOSITE OC SAMPLES DUPLICATE EQ BLK MS/MSD: YES NO	TOP Surface (0") BOTTOM 2" TYPE OF MATERIAL: ORGANIC SAND GRAVEL CLAY FILL OTHER	- -	HAND AUGER S.S. SPLIT BA ALUMINIUM S.S. SHOVEL HAND SPOON S.S. BUCKET OTHER SAMPLE OBSERY ODOR COLOR OTHER	ATIONS		ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE 25% METHANOI/75% ASTM TYPE II H ₂ C ETHYL ALCOHOL SKETCH SHOWN/ATTACHED
			PID O.O		I	YES NO
ANALYTICAL PARAMETERS		· 			w	
PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRE	SAMPLE COLLECTED	QC COLLECTER	SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Solids	8082A	4°C	(1) 4oz Amber Jar		<u></u>	
NOTES			SKETCH			
No Asphilo						
						·
Sampler Signature the Starty	Print Name: Thomas L Date: 7/4/12). Longley				FIGURE 4.12 DIL SAMPLING RECORD JRANCE PROJECT PLAN

		SURFA	ACE SOIL SAM	IPLING RECOR	D		1911
1110-							
M N .	IACTEC	PROJECT NAME 3456 One	ida Street Site - PDI i	Phase III	SAMPLE LOCATI	on 332	6-13-12
5110	Congress Street, Portland Maine 04101	PROJECT NUMBER			START TIME		END TIME 0925
		SAMPLE ID	3612122232/03	SAMPLE TIME	- U J	5	
		MODPAS	XX 61000	0935	SITE NAME/NUM Mullen Propo		PAGE / OF /
	INFORMATION						
TYPE	OF SAMPLE	SAMPLE INTERVAL:		COLLECTION	EQUIPMENT	DE	CON FLUIDS USED
x	DISCRETE	TOP Surface (0'	')	HAND AU	GER/CORER		ALL USED
	COMPOSITE	воттом 2"	 	S.S. SPLIT			LIQUINOX/DI H2O SOLUTION
OC SA	AMPLES	TYPE OF MATERIAL:		S.S. SHOV			DEIONIZED WATER POTABLE WATER
				⊢	OON/SPATULA		NITRIC ACID
	DUPLICATE (1)	ORGANIC		S.S. BUCK	ET	\vdash	HEXANE
	EQ BLK	SAND		OTHER		<u> </u>	25% METHANOL/75% ASTM TYPE II H ₂ 0 ETHYL ALCOHOL
MS	S/MSD:	CLAY		SAMPLE OBSE			
	YES	FILL		ODOR DLD	FAREL UDOR	FIELD	SKETCH SHOWN/ATTACHED
	NO C	OTHER		COLOR BL	Ach- dhegray	<u> </u>	yes
				PID	.6	_	NO .
ANALVTI	CAL PARAMETERS					<u> </u>	
ANALITE	PARAMETER	LATINO DALLA ADED	PRESERVATION		SAMPLE	QC	SAMPLE BOTTLE ID
		METHOD NUMBER	METHOD	VOLUME REQUI	COLLECTED	COLLECTE	
X	PCB/Percent Solids	8082A	4°C	(I) 4oz Amber	Jar <u>4e5</u>		
	No.						
				· · · · · · · · · · · · · · · · · · ·			
	Colore Colored Colore						
	- Containing the Containing of	on Maria					
		- The state of the	-	-	•		
NOTES				SKETCH			
				•			
					·		
					•		
							•
					•		
					•		
		,					
	11						
Sampler Signatur	Shak Lah	Print Name: Thoms	D. Longlen				FIGURE 4.12
	(A) MID	Print Name: Thoms	16/200				OIL SAMPLING RECORE
Checked By:	TI NIIF	Dare	114 MIC		NYSDEC QUAI	LITY ASSI	JRANCE PROJECT PLAN

and the state of t	SURFA	CE SOIL SAM	PLING RECORI)		
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME	la Street Site - PDI P		SAMPLE LOCATIO DP - 3 START TIME	33	DATE 6-13-12 END TIME
	SAMPLE ID	3612122232/03	CAMPI POPLA	093	5	0940
	MPDP 233	00012XX	SAMPLE TIME DG46	SITE NAME/NUMB Mullen Proper		PAGE (OF)
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION	EQUIPMENT	DECO	ON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"		HAND AUG S.S. SPLIT I ALUMINIU	BARREL	E LI	LL USED QUINOX/DI H ₂ O SOLUTION EIONIZED WATER
<u>QC SAMPLES</u>	TYPE OF MATERIAL:		S.S. SHOVE HAND SPO	L ON/SPATULA	 	OTABLE WATER TRIC ACID
DUPLICATE (A) EQ BLK	ORGANIC SAND GRAVEL		S.S. BUCKE OTHER	T	HI 25	EXANE % METHANOL/75% ASTM TYPE II H FHYL ALCOHOL
MS/MSD: YES NO	CLAY FILL OTHER		SAMPLE OBSEIT ODOR AV COLOR AK.		FIELD SE	KETCH SHOWN/ATTACHED
			OTHER PID 6.	.0	LN	es o A
ANALYTICAL PARAMETERS						
PARAMETER X PCB/Percent Solids	METHOD NUMBER 8082A	PRESERVATION METHOD 4°C	VOLUME REQUIR (1) 4oz Amber J	COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
				-		
NOTES		:	SKETCH	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
			,			
				•		
				•		~
				•		
	# -					
11.011	1					
Sampler Signature.	Print Name: Thomas Date: 7/16/1012	D. Longley		CYIT	DEACE SO	FIGURE 4.1 L SAMPLING RECOR
Checked By:	Date: 7/16/2012	- 0		NYSDEC QUAL	ITY ASSUI	L SAMPLING RECOR RANCE PROJECT PLA
V	1 '					

	SURFACE SOIL S	AMPLING RECOR	D	
#MACTEC	PROJECT NAME		SAMPLE LOCATION	DATE (12 - 12
511 Congress Street, Portland Maine 04101	3456 Oneida Street Site - I PROJECT NUMBER	PDI Phase III	DP-234	END TIME 6
,	3612122232/0	3	0950	0955
CAMPY E INFORMACIONAL	SAMPLE ID APPR 234000/7X	X 0955	SITE NAME/NUMBER Mullen Property/	1 1
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	N EQUIPMENT	DECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	HAND AUG S.S. SPLIT ALUMINIU		ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:	S.S. SHOV HAND SPO	EL DON/SPATULA	POTABLE WATER NITRIC ACID
DUPLICATE (Cy)	ORGANIC SAND GRAVEL	S.S. BUCK OTHER	<u> </u>	HEXANE 25% METHANOL/75% ASTM TYPE ETHYL ALCOHOL
MS/MSD: YES NO	CLAY FILL OTHER	COLOR BO	owe fown	FIELD SKETCH SHOWN/ATTACHED VES
ANALYTICAL PARAMETERS		PID <u>0.</u>	<u>4</u> (ald NO
PARAMETER	METHOD NUMBER PRESERVATI		RED SAMPLE COLLECTED	QC SAMPLE BOTTLE ID COLLECTED NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber	Jar yes	Mo
	· · · · · · · · · · · · · · · · · · ·			
NOTES	The second secon	SKETCH		7,777
,				
NO Aspha	lt in this spea		·.	
		li e		
1100			44.7	
Sampler Signature: Checked By:	Print Name: Thems D. Longley Date: 3/10/2012			FIGURE FACE SOIL SAMPLING RECO TY ASSURANCE PROJECT PI

	SURFACE SOIL SAI	MPLING RECORI)	
MACTEC	PROJECT NAME 3456 Oneida Street Site - PDI		SAMPLE LOCATION FP-014	DATE 6-13-/2
511 Congress Street, Portland Maine 04101	PROJECT NUMBER 3612122232/03		START TIME	END TIME
	SAMPLEID MPPPO1400112XX	sample time 10:40	SITE NAME/NUMBER Mullen Property/633049	PAGE
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	EQUIPMENT D	DECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	HAND AUC S.S. SPLIT I ALUMINIU	BARREL	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:	S.S. SHOVE HAND SPO	ON/SPATULA	POTABLE WATER NITRIC ACID
DUPLICATE EQ BLK MS/MSD:	ORGANIC SAND GRAVEL CLAY	S.S. BUCKE OTHER		HEXANE 25% METHANOL/75% ASTM TYPE II I ETHYL ALCOHOL
YES NO W	FILL OTHER	odor ×		D SKETCH SHOWN/ATTACHED
		OTHER PID	- 	NO NO
ANALYTICAL PARAMETERS PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQUIR	ED SAMPLE QC COLLECTED COLLECT	SAMPLE BOTTLE ID
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber J	<i>f</i>	ED NUMBERS
NOTES		SKETCH		
			•	
		See	FP-016	
	, .			
	,			
Sampler Signature: Mary O. Furfl	Print Name: Thomas D. Longley Date: 1 (6 2012			FIGURE 4. SOIL SAMPLING RECOR
Checked By:	Date: \$110 2010		NYSDEC QUALITY ASS	SURANCE PROJECT PLA

	SURFACE SOIL SAI	MPLING RECOR	D	
MACTEC	MACTEC PROJECT NAME		SAMPLE LOCATION FP-015	6-/3-12
511 Congress Street, Portland Maine 04101	3456 Oneida Street Site - PDI Phase III PROJECT NUMBER		START TIME	END TIME
	3612122232/03 SAMPLE ID	SAMPLE TIME	10:43 SITE NAME/NUMBER	10:48
	MPFP01500112XX	10146	Mullen Property/633049	/ OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	N EQUIPMENT D	ECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	HAND AU S.S. SPLIT	GER/CORER BARREL	ALL USED LIQUINOX/DI H₂O SOLUTION
<u>OC SAMPLES</u>	TYPE OF MATERIAL:	ALUMINIU S.S. SHOV	├	DEIONIZED WATER POTABLE WATER
		⊢	OON/SPATULA	NITRIC ACID
DUPLICATE (4)	ORGANIC	S.S. BUCK OTHER	ET .	HEXANE 25% METHANOL/75% ASTM TYPE II H, C
	GRAVEL			ETHYL ALCOHOL
MS/MSD:	CLAY	SAMPLE OBSE		O SKETCH SHOWN/ATTACHED
NO NO	OTHER	color Dk. E		O SKETCH SHOWNATTACHED
		OTHER PID		YES
		FID		NO CA
ANALYTICAL PARAMETERS				
PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQUI	RED SAMPLE QC COLLECTED COLLECT	SAMPLE BOTTLE ID ED NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber	Jar ges -	
		<u> </u>		
NOTES		SKETCH		
·			•	
DY	n = planta and			
	0 = plant anduced			
			•	
		See	PP-016	
			11-016	
		•		
		,		
			•	
	· · · · · · · · · · · · · · · · · · ·			
Sampler Signature Thome D. Tanda	Print Name: Tho, ms D. Longley			THE CONTROL OF
Sampler Signature: hm. b. horly	Fruit Name: 1 mg/PMTS 12. 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-		SURFACE S	FIGURE 4.12 OIL SAMPLING RECORD
Checked By:	Date: 7 16 1011			URANCE PROJECT PLAN

	SURFACE SOIL SA	MPLING RECOR	D	
1110-	p			
MACTEC	PROJECT NAME 3456 Oncida Street Site - PD	I Phase III	SAMPLE LOCATION FP-016	DATE 6-13-12
511 Congress Street, Portland Maine 04101	PROJECT NUMBER		START TIME	END TIME
	3612122232/03		/0:50	10:50
·	MPFPOIG DOI 12XX	SAMPLE TIME	SITE NAME/NUMBER Mullen Property/633049	PAGE
SAMPLE INFORMATION	7777			01
TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTIO	N EQUIPMENT	DECON FLUIDS USED
X DISCRETE	TOP Surface (0")	HAND AU	GER/CORER	ALL USED
COMPOSITE	воттом 2"	S.S. SPLIT	· ——	LIQUINOX/DI H2O SOLUTION
QC SAMPLES	TYPE OF MATERIAL:	ALUMINI S.S. SHOV		DEIONIZED WATER
CONTRACTOR OF THE CONTRACTOR O	THE OF WATERIAL.	⊢	OON/SPATULA	POTABLE WATER NITRIC ACID
DUPLICATE	ORGANIC	S.S. BUCK	ET	HEXANE
EQ BLK	SAND	OTHER		25% METHANOL/75% ASTM TYPE II H ₂ C
MS/MSD:	CLAY	SAMPLE OBSI	ERVATIONS	ETHYL ALCOHOL
YES	FILL			LD SKETCH SHOWN/ATTACHED
	OTHER	COLOR DL. OTHER	To Yellow bra.	V58 -
			sleg. t	NO O
				
ANALYTICAL PARAMETERS	PDESTRUCTION			
PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQU	RED SAMPLE QC COLLECTED COLLEC	SAMPLE BOTTLE ID TED NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber	Jar Cr Y CW N	CV
			· · · · · · · · · · · · · · · · · · ·	
NOTES		SKETCH	put ~ 30 mg x	
·		1	/ 1 V	10 wide X3 High
	_		mik ~ 30 mg	10 00.10
		1 hu	Pro	10:50
				MPSP01600112XX
	4		(× *	10/11/11/10/10/10
	Bus.		•	244
			*	MPFP 015001 12XX
			X	+
		Zazawa	1 -1 1	+
		202		
			(8)	MPFPOHOOIZXX
			A	10:40
			/	. I
			l re	ence live
			· \r'	4
		Location A	F FILL PILE SAMPles	(3) Rail Line
1.020	71	47. 57. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	. , , , , , , , , , , , , , , , , , , ,	
Sampler Signature:	Print Name: / Norms D. Longley			FIGURE 4.12
Cheeked By:	Date: 7/16/2011			SOIL SAMPLING RECORD
Circuit Dy.	Date: 7 114 Date	L	NYSDEC QUALITY AS	SURANCE PROJECT PLAN

						SOIL BORING LOG		
1	/// \	ΛΔ	77	F($\overline{}$	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DF-316
		ATT 76	→ 上 .	L	┛	Project Location: New Hartford, New York	Page No	
	511 Con	gress Street, Portl	and Maine (4101		Project No.: 3612122232/03 Client: NYSDEC	О	of: /
	g Locat		ee Site Pla	11		Refusal Depth: NA Total Depth: 4.3	Bore Ho	ole ID/OD: 4"
Weat	her:	KAIN, 70				Soil Drilled: 4.3 Method: Direct Push	Casing S	Size: 4"
Subce	ontracto	r: GeoL	ogic NY, I	nc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	
Drille	er: •	J. MEN				Date Started: 6-6-7-6-13-13- Date Completed: 6-6-17-6:13-13		
Rig T	ype/Mo	odel: GooPr	whe 66	JO D	7	Logged By: T.D. hoyley Checked By: 11/12	Hamme	r Wt/Fall: NA
	rence El		rade			Water Level: Time:	Hamme	r Type: Percussion
S	Sample I	nformation	Moi	nitoring				
O Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	1.8	with control is consist the bost and before most to	. 138 someteorikasis karaersulariswa	No 23 Children in many processing to	an one-terrors	de la Consta State and and de Co		440 to 211 002 12 12 12
ΙX	2.3	2.3/1.6	NA	yes		dh. brn. Gamel & SAND, well graded, don's, wet @ bottom: FILL		MPbP 216002 12XX
3	3.7		t developing to the special of the s			wer a worm.		
	3.8							
X	43	2.96.4	NA	yes		alk. brn. gravelly SAND, well sorted, wet @ dense: FILL		MPDP 21600412XX
3	and fail Manage					BOE @ 4.3' NOT REFUSAL \$ 7/11/12		

OTES: INDICATED INTENIAL SUBMITTED TO LAB FOR POTENTIAL AMALYSIS

					SOIL BORING LOG		
	ΛΛ	777	F(7	3430 Oneida Bir eet Site - 1 Di T hase III	Boring I	DP-217
	ATT TC	→ .L .	L			Page No	. 1
511 Con	gress Street, Portl	and Maine (04101		Project No.: 3612122232/03 Client: NYSDEC	0	f:
Boring Locat	ion: Se	ee Site Pla	111			Bore Ho	ele ID/OD: 4"
Weather:		,0'5			Soil Drilled: 4.3 Method: Direct Push	Casing S	Size: 4"
Subcontracto		ogic NY, I	nc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	: Macrocore
Driller:	J. MAN	1 VEL				Sampler	· ID/OD: 2"/4"
Rig Type/Mo					Logged By: T.D. Logley Checked By: All 2/10/12	Hamme	r Wt/Fall: NA
Reference El		rade			Water Level: Time: - (//	Hamme	r Type: Percussion
Sample I	nformation	Mor	nitoring				
Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1.8				MPOD SI FOOT IZXX	æ		11:00
* *	23/19	NA	1	MPE	DR. brn. to black File: Sodens, moist SIN & Sano, tr. to little gravel		
2.3	B (talestolounum) in misk continuoson in suov	TWO IS INCOME TO SERVICE OF THE SERV	THE WORLD PROPERTY.	*25 41.35.2 1144.0	514 7 5AND, 'Tr. TO little gravel		
3 3.8				コチのチョンメメ			
4/3	2.0/1.6	NA	1	400	SAND Dand Sall Steen dive brn. BILT & V.T.	ML	·
5					FILL for 3.5 : then dive by, 3117 & V.P. SAND, prody graded, classes, 5L-plassic fine TILL BOE Q 4.3' NOT REFUSAL & 7/11/12, BOE Q 4.3' NOT REFUSAL & 7/11/12,		

						SOIL BORING LOG		
1	/// T\	πΛ			$\overline{}$	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-218
			L	上(ار	Project Location: New Hartford, New York	Page No	
	511 Cong	ress Street, Portl	and Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	0	f: 1
	ig Locati		ee Site Pla	an		Refusal Depth: NA 1.3 70 C Total Depth: 4.3		le ID/OD: 4"
Weat			70°5			Soil Drilled: 4.3 Method: Direct Push	Casing S	···
Subce Drille	ontractor		ogic NY, I	lnc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	
	Fype/Mo	J. MAN ?	ODT			Date Started: 6.6212 Date Completely 6.13-13 Logged By: 7. D. Longley Checked By: 7. 7.14/12		ID/OD: 2"/4" : Wt/Fall: NA
	rence Ele		rade	· · · · · · · · · · · · · · · · · · ·		Water Level: Time:	Hammer	
		nformation	Mo	nitoring				- Jpt. A dicussion
Oppth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	2.3	2.3	NA	yes	MPDP 78007 13XX	Au Fiu: Block cinders, coal, sivry, f. Sand, dense, moist, non-plastic		
3	3. % 4.3	20	NA	Yes	XX+1400814909M	As above - FILL		
ર્ક						BO.E. Q. 4.3 ; NOT REFUJAL & T/Refil		

NOTES: SAMPLED INTERVAL OR Flight

Project Name: 3456 Oneida Street Site - PDI Phase III Boring ID: DP-J.9 Project Location: New Hartford, New York Project Location: New Hartford, New York Project No.: 3612122232/03 Client: NYSDEC Boring Location: See Site Plan Refusal Depth: Total Depth: 4.3 Bore Hole ID/OD: 4" Weather: Lain 60'S Soil Drilled: 4.3 Method: Direct Push Subcontractor: GeoLogic NY, Inc. P.I.D (eV): 10.6 eV Protection Level: Level D Sampler: Macrocore Driller: J. Manta. Date Started: 6-13-13 Date Completed: 6-13-13 Sampler ID/OD: 2 Rig Type/Model: Up 30 DT Logged By: 7. D. bryley Checked By: 18-7/16/12 Hammer Wt/Fall: NA		. ,		1	NG LOG	SOIL BOR		1				
Project Location: New Hartford, New York of Strong Street, Portland Masine O4101 Project Location: New Hartford, New York of Strong Street, Portland Masine O4101 Boring Location: See Site Plan Refinest Depth: Total Depth: 4/3 Bore Hole ID/OD. 4" Weather: Level Coss Soli Drilled: 4/3 Method: Direct Push Subcontractor: Goologic NY, Inc. Date Started: 4/3 Method: Direct Push Subcontractor: Date Completed: Level D Sampler: Macrocore Date Started: Level D Date Completed: Level D Sampler: Macrocore Date Started: Level D Date Completed: Level D Sampler: Macrocore Sample Information Wondring Date Started: Level D Date Completed: Level D Sampler: Macrocore Sample Information Monitoring Date Started: Level D Date Completed: Level D Sampler: Macrocore Sample Information Monitoring Date Started: Level D Date Completed: Level D Sampler: Macrocore Sample Information Monitoring Date Started: Level D Date Completed: Level D Sampler: Macrocore Sample Information Monitoring Date Started: Level D Date Completed: Level D Sampler: Macrocore Sample Information Monitoring Date Started: Level D Date Completed: Level D Sampler: Macrocore Time: The Hammer WyFall: NA Hammer WyFall: NA Remarks Sample Description and Classification Date Started: Level D Date Completed: Le		D: herric	Boring II	ase III	Oneida Street Site - PDI Phas	lame: 3456			بالمار	πΛ		1
SI Congress Street, Portland Maine 04101 Project No.: 361212223203 Client: NYSDEC Soft plan Refused Depth: Total Depth: 41-3 Bore Hole ID/OD: 4" Weather: Park 60'S Subcontractor: Geologic NY, Inc. PLD (eV): 10.6 eV Protection Level: Level D Sample: Macrocore Subcontractor: Geologic NY, Inc. PLD (eV): 10.6 eV Protection Level: Level D Sample: Macrocore Driller: J. MAATER Date Started: 6-19-17 Logged By: T.D. Ingley Checked By: All Mammer WyFall: NA Reference Elevation: Grade Water Level: Time: Hammer WyFall: NA Reference Elevation: Monitoring Sample Information Monitoring Sample Description and Classification Sample Description and Classification O. J.			Page No		tford. New York	ocation: New H		八	」上.)/\\	// 1/	
Boring Location: See Site Plan Refusal Depth: — Total Depth: 4.3 Bore Hole ID/OD: 4" Weather: Learn Lot's Soil Drilled: 4.3 Method: Direct Push Casing Size: 4" Direct Push Casing Size: 4" Driller: J. Man 284 Date Completed: 6 13 17 Sampler ID/OD: 2 Rig Type/Model: U. 20 DT Reference Elevation: Grade Water Level: — Time: — Time: — Hammer Type: Per Sample Information Monitoring Sample Information Monitoring Sample Description and Classification Sample Description and Classification Fig. 3.8 D. 1.8 D					~		-	04101	and Maine 0	ess Street, Portl	- 511 Cong	
Weather: Fain 60'5 Subcontractor: GeoLogic NY, Inc. Subcontractor: GeoLogic NY, Inc. Date Startic Level D Date Sta												
Subcontractor: Geologic NY, Inc. P.I.D (eV): 10.6 eV Protection Level: Level D Sampler: Macrocore Sampler: Monocore Sample:				·····					y' 5	Rain 60	ner:	Weat
Reference Elevation: Grade Water Level: Time: Hammer WyFall: NA Reference Elevation: Grade Water Level: Time: Hammer Type: Per Sample Information Monitoring Sample Description and Classification Remarks Grade Water Level: Time: Hammer WyFall: NA Remarks Grade Water Level: Time: Hammer Type: Per Sample Description and Classification Remarks Grade Water Level: Time: Hammer WyFall: NA Remarks	3			l D	Protection Level: Level]	nc.				
Rig Type/Model: Us 20 DT Robertoce Elevation: Grade Sample Information Sample Information Monitoring Sample Description and Classification Monitoring Sample Description and Classification Remarks A 2.3 NA 98 E V. little passeng - Till - wet A 2.3 No. 1 Report L A 2.4 A 2.5 A 2.5 A 3.8 D.2 NA 98 E	2"/4"	ID/OD: 2	Sampler	12-	Date Completed: 6-13	rted: 6-13-13-			<u>z</u>		r:	Drille
Reference Elevation: Grade Sample Information Sample Information Monitoring Sample Description and Classification Remarks Sample Description and Classification Remarks A 2.3		Wt/Fail: NA	Hammer	P7/16/12	Checked By:				DT	lel: W 2	ype/Mo	Rig T
Sample Description and Classification Sample Description and Classification Remarks A 2.3 A 2.3 A 2.3 A 2.3 A 3.5	ercussion	Type: Per	Hammer	777							ence Ele	Refer
Joseph Jo				,				nitoring	Mor	formation	ample Ir	S
Gravel w, little Sano, well graded, eters, dry to domp FILL 3.8 3.9 0.2 NA yes & Sense, well gaded 4.3 BOE @ 4.3'; Not REFUSAL @ 2/16/12	cs	Remarks	USCS Group Symbol		ption and Classification	Sample Desc	Lab Sample ID	Lab Tests Performed	PID Field Scan	Penetration/ Recovery (feet)	Sample Number	
3.8 D.O. NA yes & Jones, well goded 80 @ 4.3'; Not REFUSAL @ 7/16/12		12:05		ell Melle	little Sano, well densi, dry to do	Gravel a graded,	MPDPJIAOGIEXX	ges.	NA	2.3/	11.8	1
5 BOE Q. 4.3°; NOT REFUSAL @ 7/10/12				et	very - TILL - we 'Spaded	V. little par dense, we	024	yos	M		3.8	3
NOTES: SAMPLED INTERVAL OD 7/16/12 FIG				16/12	or REPUSAL Q 7						4.3	5

					SOIL BORING LOG		
21111	T / / /		TT	7	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	D: DP-220
			L	ً	Project Location: New Hartford, New York	Page No	
511	Congress Street,	, Portland Maine	04101		Project No.: 3612122232/03 Client: NYSDEC		f: /
Boring L	ocation:	See Site Pl	an		Refusal Depth: — Total Depth: 4.3	Bore Ho	le ID/OD: 4"
Weather:		20-705			Soil Drilled: 4.3' Method: Direct Push	 	Size: 4"
Subcontr		GeoLogic NY,	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	
Driller:		WBEL 620 DT			Date Started: 6-13-13 Date Completed: 6-13-13-		ID/OD: 2"/4"
Rig Type	e/Model: 60	Grade			Logged By: T. O. Longue 7 Checked By: Time:	Hamme	r Wt/Fall: NA
	ple Information		nitoring		Water Ecycli	Trainine	r Type: Percussion
<u> </u>			T	_		_{0.}	
O Depth (feet bgs)	Sample Number Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
	\$ 2.3/1.5	NA		MPDP 330 OCT 134X	1st try Refusel 12:35 Aus PILL: Whrichs, Moist, SILT 70 gmed		
3.	İ	NA	yes	MPDPSSOOOTISXX	Gray bom. SILT & SAND, tr. grand, wet grand, grand, dense The	m	
5					BOE @ 4.3) NOT REFUSAL (y) 7/11/12	-	
NOTES		SAMPLE	S 12	TEO	eval @ 7/10/12		FIGURE 4.

						SOIL BORING LOG		
1	/// TN	ΤΛ				Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-221
	1	NTY (L		Project Location: New Hartford, New York	Page No	
	511 Cong	gress Street, Portl	and Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	C	f: f
Borin	g Locati	on: S	ee Site Pl	an		Refusal Depth: 🗸 Total Depth: 4.3	Bore Ho	le ID/OD: 4"
Weati	ner:	RAIN, 6	0'5 - 7	から		Soil Drilled: 4.3 Method: Direct Push	Casing S	Size: 4"
Subco	ntractor	: GeoL	ogic NY,	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	: Macrocore
Drille	r: •	J. MAN	rel			Date Started: 6-13-13 Date Completed: 13-13-	Sampler	ID/OD: 2"/4"
Rig T	ype/Mo	del: 6630	DT			Logged By: TD bridgy Checked By: A 2/16/12	Hamme	r Wt/Fall: NA
	ence Ele		Frade			Water Level: Time: / ///	Hamme	r Type: Percussion
S	ample li	nformation	Mo	nitoring				
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
, 3/	1.8	2.3	NA	h	Axersoo reedadw	13:40 0'-1.6': FILL - black GRAVEL i SAND WY brick pieces, dens, damp 1.6'-2.3'. Gellow brn. SILT, to black erganic stringers, v. well sorted, dens, Moist, firm: Allevium	ML	
	24		An	yes		13:45	1110	
<u> </u>	3.8	2.0	NA	yes	MP DP 221 00412XX	TILL	SM	
٩						BOE @4.3", NOT REFUSAL (97/16/12		
NOT		L			<u></u>			

NOTES: 15 SAMPLED INFERMAL (A) 2/16/12

					SOIL BORING LOG		
ISIN TO	/r A /		T7/	$\overline{}$	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring	DP-222
	VIA		E(ر	Project Location: New Hartford, New York	Page No	DF-ZZZ
511 Cou	ngress Street, Port	land Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	Page No	of;)
Boring Loca		ee Site Pl			Refusal Depth: NA Total Depth: 4.3		ole ID/OD: 4"
Veather:	Rain	ec bite 11	6111		Soil Drilled: 4,3 Method: Direct Push		Size: 4"
Subcontracto	 	ogic NY,	Inc	·	P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	
·	T. M EN 26		IIIo.		Date Started: 6-13-12 Date Completed: 6-32-13		r ID/OD: 2"/4"
Rig Type/M					Logged By: T.D. horyley Checked By: The 7/10/12	 	er Wt/Fall: NA
Reference E		Grade			Water Level: Time:	Hamine	
	Information		nitoring				ypv. I erenssion
O Depth (feet bgs) Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
5-1	2.3	N.A-	yes	MPDP 220 OCT & XX	13:55 Ale. gray to block, FILL		
3 6,2	2.0	NA	yes	XX2/horeet and W	in Till	ML Sm	
5					BORE Q. 4.3°; NOT REFUSAL. @g/n/12		
NOTES:							

SAMPLED INTERVAL @ 7/10/12

	SOIL BORING LOG	
#MACTEC	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring ID: DP-223
		Page No.
511 Congress Street, Portland Maine 04101	Project No.: 3612122232/03 Client: NYSDEC	of:
Boring Location: See Site Plan	Refusal Depth: NA Total Depth: 4.3	Bore Hole ID/OD; 4"
Weather: RAIN	Soil Drilled: 4.3 Method: Direct Push	Casing Size: 4"
Subcontractor: GeoLogic NY, Inc.	P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler: Macrocore
Driller: J. MANZEL	Date Started: 6-12-12 Date Completed: 6-12-12	Sampler ID/OD: 2"/4"
Rig Type/Model: 66 20 DT	Logged By: T.D. Lord LEY Checked By: A 7/10/11	Hammer Wt/Fall: NA
Reference Elevation: Grade	Water Level: Time: -///	Hammer Type: Percussion
Sample Information Monitoring	V 0	
Sample Number Sample Number Penetration/ Recovery (feet) PID Field Scan Lab Tests Performed Lab Sample ID	Sample Description and Classification	USCS Group Symbol Remarks
7 5-1 2.3 NA 345	14:18 Ok. grayish brown TILL: fine grained, SILT & F. SAND, tr. gravel & c. SAND, damp, dones, poorly graded, Mussive (TILL) @	m
3 5.7 2.0 NA 98 4.3 4.3 4.3		60
5	B.O.E. AT 4.3"; NOT REFUSAL @ 7/16/12	

SAMPLED INTERVAL @ 7/11/12

				SOIL BOR	ING LOG			
	CT	FC	Project Name	3450	ó Oneida Street Site - 1	PDI Phase III	Boring I	D: DP-224
111			Project Local		artford, New York		Page No).
511 Congress Stree			+	3612122232/03	Client: NYSDE		C	ef:
Boring Location:	See Site Pla	an	Refusal Dept			1.3		ole ID/OD; 4"
	1W	-	Soil Drilled:	4.3	Method: Direc			Size: 4"
	GeoLogic NY,	inc.	P.I.D (eV):		Protection Level:		Sampler	
	MANBEL		Date Started:		Date Completed:			· ID/OD; 2"/4"
	66 20 DT		Logged By:	T.D. Long				r Wt/Fall: NA
Reference Elevation:	Grade		Water Level:		Time:	- July	Hamme	r Type: Percussion
Sample Information	n IVIO	nitoring			,			
Sample Number Penetration	PID Field Scan	Lab Tests Performed		Sample Desc	cription and Classificati	on	USCS Group Symbol	Remarks
1 5.1	3 NA	yes	14:45 GRA GRA GRA GRA GRA GRA GRA GRA GRA GRA	wel i SA	nd, well gos	ded, dry,		
3 5·2 3.8 0.9 4.3 5	104		(B)	-	VAVEL & S'AM		SM	

NOTES: SAMPLED INTERVAL GOF/16/12

FIGURE 4.4

		SOIL BORING LOG	
MIN I A C			Boring ID: DP-225
MINIAC	LEC	Project Location: New Hartford, New York	Page No.
511 Congress Street, Portland	1 Maine 04101	Project No.: 3612122232/03 Client: NYSDEC	of:
Boring Location: See S	Site Plan	Refusal Depth: NA Total Depth: 4.3	Bore Hole ID/OD: 4"
Weather: RAIN		Soil Drilled: 4.3 Method: Direct Push	Casing Size: 4"
	c NY, Inc.	P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler: Macrocore
Driller: J. MANZE		Date Started: 6-13-13 Date Completed: 6-13-13-	Sampler ID/OD: 2"/4"
Rig Type/Model: 6630.		Logged By: J.D. Love Ley Checked By: 12/16/2	Hammer Wt/Fall: NA
Reference Elevation: Grad Sample Information	Monitoring	Water Level: Time:	Hammer Type: Percussion
	Wontonig		
Sample Number Penetration/ Recovery (feet)	PID Field Scan Lab Tests Performed Lab Sample ID	Sample Description and Classification	OSCS Group Remarks
1 5-1 V. Little Decoupy 1	2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Very wet Gravel, to sand, FILL	
3 5.2 2.0 3.8 0.9	A SA (12.00 5115 00 04 (12.XX		GM
6		B.S. Q 4.3°; NOT REFURAL @ 8/10/12	
NOTES: SAME	PLED INTERL	19 - Julie	FIGURE 4.

					SOIL BORING LOG		
ZIII T	πΛ			$\overline{}$	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-226
	M	Lل	上	ر	Project Location: New Hartford, New York	Page No	Dr. 740
511 Congr	ess Street, Portl	and Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	 	of:
Boring Location	on: S	ee Site Pl	an		Refusal Depth: NA Total Depth: 4.3	Bore Ho	ole ID/OD: 4"
Weather:	RAIN				Soil Drilled: 4.3 Method: Direct Push	Casing S	Size: 4"
Subcontractor:	GeoL	ogic NY,	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	: Macrocore
Driller:	J. MA				Date Started: 6-13-13 Date Completed: 6-13-13-	Sample	r ID/OD: 2"/4"
Rig Type/Mod	-	DO 01			Logged By: T.D. Long Ley Checked By: 17 1/2/16/e		r Wt/Fall: NA
Reference Ele		rade			Water Level: Time:	Hamme	r Type: Percussion
Sample In	formation	Mo	nitoring				
Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1.8	2.3	NA	yes	XX 61200 SEC OCI OM	15:18 FILL TO 1.6', them dh.gray SILT, wy hittle black arganics, mell sorted, firm, damp, massive, SL. plastic, Allevium	ML	
3 5.2	2.0	NA.	yes	MPDP33600412XX	Allanii	SM	
5					B.O.E. @ 4.3', NOT REFUSAL # 7/16/1	-	
NOTES:							

SAMPLED INTERMIL @ 7/16/12

SOIL BORING LOG									
#MACTEC	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring ID: DP-227							
		Page No.							
511 Congress Street, Portland Maine 04101	Project No.: 3612122232/03 Client: NYSDEC	of:							
Boring Location: See Site Plan		Bore Hole ID/OD; 4"							
Weather: RAIN		Casing Size: 4"							
Subcontractor: GeoLogic NY, Inc.		Sampler: Macrocore							
Driller: J. MANZEL		Sampler ID/OD: 2"/4"							
Rig Type/Model: 66 30 DT	Logged By: T.D. Longley Checked By: Theliz	Hammer Wt/Fall: NA							
Reference Elevation: Grade	Water Level: Time:	Hammer Type: Percussion							
Sample Information Monitoring									
Sample Number Sample Number Penetration/ Recovery (feet) PID Field Scan Lab Tests Performed Lab Sample ID	Sample Description and Classification	USCS Group Symbol Remarks							
3 5-2 2.0 T.0 MA 3.8	15.40	m_							
4.3 T.0 NA 4.3 6	B. O.E. @4.3'; NOT REFUSAL WHILE								
NOTES: SAMPLEO INTO	ENVIL (W) 7/16/12	FIGURE 4.4 SOIL BORING LOG							

						SOIL BORING LOG		
11	/// 70	/ A /		T7/	$\overline{}$	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring	ID: DP-228
		ΛA		E	Ĺ		Dana M	104-278
A A SA	511 Cone	ress Street, Port	land Maine	04101		Project Location: New Hartford, New York Project No.: 3612122232/03 Client: NYSDEC	Page N	of; (
	g Locati		ee Site Pl			Refusal Depth: NA Total Depth: 4.3	-	ole ID/OD: 4"
Weatl			60.5/2			Soil Drilled: 4.3 Method: Direct Push		Size: 4"
	ontractor		ogic NY,			P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	
Drille		5- MANZ			-	Date Started: 6-13-12 Date Completed:, 6/12-12.		r ID/OD; 2"/4"
	ype/Mo					Logged By: 1, D. Longlag Checked By: 1/6/18		er Wt/Fall: NA
	ence Ele		Grade			Water Level: Time:		er Type: Percussion
S	ample I	nformation	Mo	nitoring			1	1 of cussion
Oepth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
- ノ - 文	5-1 1.8 2.3	23 1.4	NA	yes	MPDP 23800313XX	dark gray FIN / Re-worked The: Sand up little silt, Little c. sono & gravel, down, damp		
3	5N 3.8	20	MA	ljes	XXU haset dow	FILL TO 0.6, then Yellow born. SAND, little SILT, to gravel, Firen, noist to wet, non-plasmic, TILL	1	
5	4.3					B.O.E. Q4.3) NOT REFORM # 7/16/19	_	
		·						
	TES:							

189 SAMPLED INTENAN @ 7/16/12

						SOIL BORING LOG			
1		π Λ /			7	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	D: DP-229	
		VI AU		上	اب	Project Location: New Hartford, New York	Page No	Dragg	
-	511 Cong	gress Street, Port	land Maine	04101		Project No.: 3612122232/03 Client: NYSDEC		of.	
	g Locati		ee Site Pla			Refusal Depth: NA Total Depth: 4.3	Bore Hole ID/OD: 4"		
Weat		RAIN				Soil Drilled: 4.3 Method: Direct Push	Casing Size: 4"		
Subc	ontractor	: GeoL	ogic NY, l	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	***************************************	
Drille	er: 🏒	I. MNZE				Date Started: 6-12-13 Date Completed: 6-12-13	Sample	: ID/OD: 2"/4"	
Rig 7	ype/Mo	del: 6430	DT			Logged By: T.D. howley Checked By: (3/11/2	Hamme	r Wt/Fall: NA	
	ence Ele		Grade			Water Level: Time:	Hamme	r Type: Percussion	
	Sample I	nformation	Mo	nitoring		V		,	
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks	
	5-1	2.3	WA	yes	MP OF 23900 NXX	Me. gray to black till: gravel & saws, to. s. ut, wet loose w			
3	5·2 3.8 4.3	200	NA	yas	XXXIII WOOLE COOK	16:15 As Above: V. Little recovery			
5						BOEC.4.3', NOT REFUSAR CW 7/10/12			
NO	LEC.				<u></u>				

SAMPLEO INTERVAL (907/16/12

						SOIL BORING LOG			
1	ALAI TA	πΛ			7		Boring I	D: DP-230	
		\mathcal{M}	レレ	上	1	Project Location: New Hartford, New York	Page No		
-	511 Cong	gress Street, Portl	and Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	of:		
Bori	ng Locati		ee Site Pla			Refusal Depth: NA Total Depth: 4.3		ole ID/OD: 4"	
Wea	ther:	OVERCAST,	Bree	ય		Soil Drilled: 4.3 Method: Direct Push	Casing :	Size: 4"	
Subc	ontractor	: GeoL	ogic NY, I	ine.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	:: Macrocore	
Drill		MANZE.				Date Started: 6-13-12 Date Completed: 6-13-12	Sample	: ID/OD: 2"/4"	
Rig '	Type/Mo	del: 66 20	DT			Logged By: T.D. Lonace y Checked By: A 4/6/2	Hammer Wt/Fall: NA		
-	rence Ele		rade			Water Level: Time:	Hamme	r Type: Percussion	
	Sample II	nformation	. Mo:	nitoring		ľ			
O Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks	
	3.8	20/19	0.0	yes	MADE 3000 SE GORM XXIIYOU SOOS EDOCH	wet, fran Fill	ML		
NO	TES: -								

SAMPLED MITERAL @ 7/16/12

					SOIL BORING LOG				
1111 N	πΛ				Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-231		
	AT\4			ا	Project Location: New Hartford, New York	Page No			
511 Con	gress Street, Por	tland Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	of:			
Boring Locat	ion:	See Site Pl	an		Refusal Depth: VA Total Depth: 4.3	Bore Ho	ile ID/OD: 4"		
Veather:	Overcast				Soil Drilled: 4.3 Method: Direct Push	Casing Size: 4"			
ubcontracto	<i>-</i>	Logic NY,	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D		Sampler: Macrocore		
	1. MANTER odel: 6630				Date Started: 6-13-12 Date Completed: 6-3-12		ID/OD: 2"/4"		
Reference El		Grade			Water Level: Time: Checked By:	Hammer	r Wt/Fall: NA		
	nformation		nitoring		Time.	Tamine	r Type: Percussio		
Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks		
S-1 J.8 J.3	2.3	0.0	yes	XXE1400186904M	Att FILL: rock, etc. SAND à CRAWEL, wet, toose				
3.8	2.0	0.0	yes	MPDP33300412XX	PILL to 1; then, yellow born. f. SAND & SILT, well sorted, sortwated, soft, SL. plastic: WEIT@ ALLUNIUM	S _m			
					2 Refusals @ less than 2.3 bys then success B.O.E. @ 4.8' & 2/10/12				

Project Name: 3456 Onelda Street Site - PDI Phase III Boring ID; Project Location: New Hartford, New York Page No. Page No. Project Location: New Hartford, New York Page No. Project No. 36112223203 Client NYSDEC Of: Project No. 36112223203 Client NYSDEC Of: Project No. 36112223203 Client NYSDEC Of: Project No. 361122232303 Client NYSDEC Of: Project Nystect NYSDEC Of: Project No. 36112232303 Client NYSDEC Of: Project Nystect Project Nyst			SOIL BORING LOG					(
Solution See Site Plan Boring Location: See Site Plan Refusal Depth: NA Total Depth: Y,3 Bore Hole II Weather: Geologic NY, Inc. Pill (eV): 10.6 eV Protection Level: Level D Sample: Diller: J. MAN 201 Rig Type/Model: Kig Type/Model: Sample Information Monitoring Sample Information Monitoring Sample Description and Classification Monitoring Sample Description and Classification AN 201 AN FIN: blanch, com, gravel, sand, wet, bosse p. dansaft. S.LT. J. J	70-232	Boring I	ect Name: 3456 Oneida Street Site - PDI Phase III		F		\sqrt{I} A (
Project No.: 361/21/22/32/03 Client: NYSDEC Of: Boring Location: See Site Plan Refusal Depth: NA Total Depth: Y.3 Bore Hole III Weather: Ovaluating Jobs Soil Drilled: U.3 Method: Direct Push Casing Size: Subcontractor: Geologic NY, Inc. P.I.D (eV): 10.6 eV Protection Level: Level D Sample: Driller: J. MAN FUL. Date Started: Lev3-12 Date Completed: Lev3-12 Sample: Driller: J. MAN FUL. Date Started: Lev3-12 Date Completed: Lev3-13 Sample: Driller: J. MAN FUL. Date Started: Lev3-12 Date Completed: Lev3-13 Sample: Driller: J. Man Ful. Logged By: T.D. Longlag. Checked By: J. D. D. Longlag. Checked By: J. D. D. Longlag. Checked By: J. D. D. D. Longlag. Checked By: J. D. D. D.	1	Page No	7.011		 \	ــــــــــــــــــــــــــــــــــــــ	ATT TA		
Weather: Oraclet, 60's Soil Drilled: 4/3 Method: Direct Push Casing Size: Subcontractor: Geologic Ny, Inc. PLD (eV): 10.6 eV Protection Level: Level D Sampler: Driller: J. MANTEL Date Started: 6-13-12 Date Completed: 6-13-12, Sampler: Rig Type/Model: 64 DT Reference Elevation: Grade Sample Information Monitoring Sample Information Monitoring Reference Elevation: Grade Sample Description and Classification Sample Description and Classification Soil Driller: 4/3 Method: Direct Push Casing Size: Level D Sampler: Date Completed: 6-13-12 Date Completed: 6-13-12, Sampler: Date Co			1.10020						D
Weather: Drack of 10°s Soil Drilled: U.3 Method: Direct Push Casing Size: Subcontractor: Geologic NY, Inc. Driller: J. MAN FIL. Logged By: T.D. Longley Checked By: J. W. J. M. Reference Elevation: Sample Information Monitoring Sample Information Monitoring Sample Description and Classification Sample Description and Classification Sample Description and Classification O FIFT AN FIN: black. cont, gravel, sand, Wet, bosse to densett. Sixt. FIL. O FIFT Sample Description and Classification O FIFT AN FIL. Sample Description and Classification O FIFT O			Total Deputit						
Driller: J. MANTEL Date Started: 6-13-12 Date Completed: 6-13-12 Dat			Thomas Breet tush		Š	st, 60%	UV CALCAS		
Rig Type/Model: 66.30 DT Reference Elevation: Grade Sample Information Monitoring Water Level: Time: Time: Hammer Type H	Macrocore	Sampler	More D		Inc.				
Reference Elevation: Grade Sample Information Monitoring Water Level: Time: Time: Hammer With Hammer Try Hammer Try Water Level: Time: Time: Hammer With Hammer Try Bample Description and Classification Grade Sample Description and Classification Grade Sample Description and Classification Grade ALL FILL: black, com, gravel, sand, wet, bosse to demand the same try ALL FILL: black, com, gravel, sand, wet, bosse to demand to site of the same try Grading from blackish brown Silt of the same Grade ALL FILL: black, com, gravel, sand, wet, bosse to demand try Grade ALL FILL: black, com, gravel, sand, wet, bosse to demand try Grade ALL FILL: black, com, gravel, sand, wet, bosse to demand try Grade ALL FILL: black, com, gravel, sand, wet, bosse to demand try Grade ALL FILL: black to same try Grade ALL FILL: sl. plantic, well Sortel, wet, demand try Time: Ti	D/OD: 2"/4"	Sampler		·	· · · · · · · · · · · · · · · · · · ·		1 10 //		-
Sample Information Monitoring Sample Information Monitoring Sample Description and Classification Sample Description and Classification Sample Description and Classification AVI FIN: black. com, gravel, sand, wet, bosse, b dense, fr. s.i.t. 13 13 13 13 13 13 13 13 13 1									
Sample Description and Classification Sample Description and Classification Sounds of the state of the stat	ype: Percussion	Hammer	lime:		nitoring				_
J.3 1.8 0.0 J.3 Ell Sorted, wet, black, com, graver, sand, wet, bosse, b. dense, tr. s. cr. FILL J.3 J.3 J.3 J.3 J.3 J.3 J.3 J	Remarks	USCS Group Symbol	Sample Description and Classification	ab Sample ID	Lab Tests Performed	PID Field Scan	Penetration/ Recovery (feet)	Sample Number	Depth (feet bgs)
		M	AU FIN: block, com, graver, sand, wet, brose, to denseit. Silt. FILL Sorted, wet, dense (T)	CAJW XX+ HOOEST ON		0.0	2/1.8	1.8 2.3 5.2 3.8	

DP-233 ID/OD: 4" e: 4" Macrocore D/OD: 2"/4" /t/Fall: NA ype: Percussion
ID/OD: 4" e: 4" Macrocore D/OD: 2"/4" /t/Fall: NA
e: 4" Macrocore D/OD: 2"/4" /t/Fall: NA
e: 4" Macrocore D/OD: 2"/4" /t/Fall: NA
e: 4" Macrocore D/OD: 2"/4" /t/Fall: NA
Macrocore 0/OD: 2"/4" /t/Fall: NA
D/OD: 2"/4" Vt/Fall: NA
√t/Fall: NA
ype: Percussion
Remarks

	1100-					SOIL BORING LOG		
		\sqrt{I} A (\bigcap	F		Project Name: 3456 Oneida Street Site - PDI Phase III	Boring	ID: DP-234
4		• • • • • • • • • • • • • • • • • • •	<u> </u>	יגבי		Project Location: New Hartford, New York	Page N	0. 1
Do		gress Street, Por				Project No.: 3612122232/03 Client: NYSDEC		of:
_	ring Locat	tion:	See Site P	lan		Refusal Depth: NA Total Depth: 4.3	Bore H	ole ID/OD: 4"
-	bcontracto	C1	N. 7.	······································		Soil Drilled: 4.3 Method: Direct Push	Casing	Size: 4"
_	iller:		Logic NY,			P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	r: Macrocore
		OVERCAS: odel: 6630	COOL			Date Started: 6:13-13 Date Completed: 6-13-13-	Sample	r ID/OD: 2"/4"
	ference El		Grade			Logged By: T.D. Longley Checked By: 7/16/12	Hamme	er Wt/Fall: NA
		nformation		nitoring		Water Level: Time:	Hamme	er Type: Percussi
Oppth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
<u> </u>	S-1 1.8	2.3	0.0	yes	MPDP33400918XX	D9:50 AU FILL brown GRAVEL & SAND, over black com; moist to wet, loose		
X	3.8	2.0	0.0	Yes	MPDP 23400412XX	FAUSTANDEN ME STORM STATE OF THE STATE OF TH	Sin	
						B.O.E.Q 4.3'; NOT REFUGL @ 7/16/12		·
NO	TES:	3 3 5 4	77/10/11 melec	2 5	An	var (1) >/10/12		FIGURE SOIL BORING LO

	SURFACE SOIL SA	AMPLING RECORI		
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Oneida Street Site - P. PROJECT NUMBER 3612122232/03		sample location DP -156 start time 09:45	7-25-12- END TIME 09:48
	MPDP 156000 (2 XX	SAMPLE TIME 09:45	SITE NAME/NUMBER Mullen Property/633049	PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	<u> </u>	CON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	HAND AUC S.S. SPLIT I	BARREL	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES DUPLICATE TO DAY	TYPE OF MATERIAL: ORGANIC	S.S. BUCKE	ON/SPATULA	POTABLE WATER NITRIC ACID HEXANE
EQ BLK MS/MSD:	SAND ORAVEL CLAY	SAMPLE OBSER		25% METHANOL/75% ASTM TYPE II H <u>.</u> ETHYL ALCOHOL
YES NO	FILL OTHER	OTHER	ach	SKETCH SHOWN/ATTACHED YES NO
		, <u>U</u>		110
ANALYTICAL PARAMETERS PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQUIR	ED SAMPLE QC COLLECTED COLLECTED	SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber J	ar yes -	
		· · · · · · · · · · · · · · · · · · ·		
NOTES		SKETCH		
block, organic rich top	soil fill we Roots;	Gas	5 % 6 W	
climbers, dry, hoose		Sec	Site Figure	
	•			
				•
•				
111 1 1 .				
Sampler Signature: A. hyly	Print Name: Thomas D. Longla		SURFACE SO	FIGURE 4.12 IL SAMPLING RECORD
Cheeked By:	Date: 7/3//2013]	NYSDEC QUALITY ASSU	

	SURFACE SOIL SA	AMPLING RECORD	5	
	PROJECT NAME		SAMPLE LOCATION	DATE
MACIEC	3456 Oneida Street Site - PI	DI Phase III	DP-157	DATE 7-25-12
511 Congress Street, Portland Maine 04101	PROJECT NUMBER 3612122232/03	-	START TIME 0950	END TIME 0955
	SAMPLE ID MPDP 157000 12X	SAMPLE TIME	SITE NAME/NUMBER Mullen Property/633049	PAGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION		ECON FLUIDS USED
N DISCOURAGE	TOP Surface (0")	HAND AUG	rin (conen	ALL LIDERS
X DISCRETE COMPOSITE	BOTTOM 2"	HAND AUG S.S. SPLIT B ALUMINIUM	BARREL	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES :	TYPE OF MATERIAL:	S.S. SHOVE	· · · · · · · · · · · · · · · · · · ·	POTABLE WATER NITRIC ACID
DUPLICATE	ORGANIC	S.S. BUCKE	т	HEXANE .
EQ BLK	SAND	OTHER 2	gloved hand	25% METHANOL/75% ASTM TYPE
MS/MSD:	GRAVEL CLAY	SAMPLE OBSER	´	ETHYL ALCOHOL
YES	FILL	ODOR		SKETCH SHOWN/ATTACHED
NO	OTHER	COLOR BLAN	ch de brn.	
	•	OTHER		YES NO
		FID		NO
ANALYTICAL PARAMETERS				
PARAMETER	METHOD NUMBER PRESERVATION METHOD	ON VOLUME REQUIRE	ED SAMPLE QC COLLECTED COLLECTE	SAMPLE BOTTLE ID D NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 40z Amber Ja		\
				
$H \longrightarrow -$				
	\			
	$\overline{}$			
NOTES //		SKETCH		
Ak. bpn. w/ Ro	ots, organiz rich, and			
pieces, clinkers	dry losse		•	•
,	, , , , ,	Sec	Site Figure	
			0	
			•	
	•		•	
<i>,</i>				
•			,	
	. •			
	•		,	
	,			
1011				
H. N.O. la	7. 21.			
Sampler Signature:	Print Name: Thomas D. Longley	,	STIDEACE SC	FIGURE 4
Checked By:	Date: 7/31/2012		SURFACE SC NYSDEC QUALITY ASSU	OIL SAMPLING RECO TRANCE PROJECT PL

	SURF	ACE SOIL SAMI	PLING RECORD			
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 One PROJECT NUMBER	ida Street Site - PDI Pi	nase III	SAMPLE LOCATION DP-175 START TIME	3	7-J571 ND TIME
·		3612122232/03		10:00		10:08
	SAMPLE ID MPDP 173	00012XX	SAMPLE TIME	SITE NAME/NUMBER Mullen Property/	I	AGE OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION	EQUIPMENT	DECON	FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0" BOTTOM 2"	')	HAND AUGE S.S. SPLIT BA ALUMINIUM	ARREL I PAN	1 DEI	USED UINOX/DI H ₂ O SOLUTION ONIZED WATER
QC SAMPLES DUPLICATE EQ BLK	ORGANIC SAND GRAVEL		S.S. SHOVEL HAND SPOO S.S. BUCKET OTHER 9	N/SPATULA	NIT HEX	ABLE WATER RIC ACID CANE METHANOL/75% ASTM TYPE II H.C IYL ALCOHOL
MSAMSD: YES NO	CLAY FILL OTHER		SAMPLE OBSERV ODOR COLOR OTHER PID SAMPLE OBSERV FIG. 19 O. 19		FIELD SKE	TCH SHOWN/ATTACHED
ANALYTICAL PARAMETERS						
PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRE	D SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Solids	8082A	. 4°C	(1) 4oz Amber Jar	yes	yes	_
						
					· · · · · · · · · · · · · · · · · · ·	
						
NOTES		S	KETCH			
dk. brn. to black, or	zanic, routs,	SILT 2		,		
Fine Sano, tr. grand	dry boose	mm-				
plastic, Fill	,					
Collectal; somple			•			
Duplicate						
MS						
MSI)						
	•					
1.1						
Sampler Signature.	Print Name: Theynrs	D. Longley		OF THE STATE OF TH	LOE COX	FIGURE 4.12
Checked By:	Date: 7/3//2	V	. N			SAMPLING RECORD NCE PROJECT PLAN

	SURFACE SOIL SA	MPLING RECOR	D	
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Oneida Street Site - PD PROJECT NUMBER	I Phase III	SAMPLE LOCATION DP-174 START TIME	DATE 7-35-13 END TIME
	3612122232/03 SAMPLE ID	SAMPLE TIME	人のこみ。 SITE NAME/NUMBER	/0:30 PAGE
	MPDP 174 000 12XX	10:30	Mullen Property/633049	OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	I EQUIPMENT DE	CON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	HAND AUC	<i>/</i>	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:	S.S. SHOVE	EL .	POTABLE WATER
DUPLICATE (3)	ORGANIC SAND GRAVEL	S.S. BUCKI		NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II H ₃ C ETHYL ALCOHOL
MS/MSD:	CLAY	SAMPLE OBSE		
YES NO	FILL OTHER	ODOR COLOR OTHER	FIELD Ack	SKETCH SHOWN/ATTACHED YES
		PID D.	9	ио
ANALYTICAL PARAMETERS	· · · · · · · · · · · · · · · · · · ·			,
PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQUIR	ED SAMPLE QC COLLECTED COLLECTED	SAMPLE BOTTLE ID NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber J	ar <u>4.05</u> No	_
	,			
	\			
		:		
NOTES		SKETCH		-
ak. brn. to black	, cod, cirdurs, vosts,	See	Site Figure	
SAND- 76-5. Lt, 1	bose, dry, Fill			
•	•		·	
			•	
	•			• *
	,			
1011				
Sampler Signature Sq. July	Print Name: Themes D. Longley		SIIREACE SO	FIGURE 4.12 OIL SAMPLING RECORD
Checked By:	Date: 7/31/12		NYSDEC QUALITY ASSU	

	SURFACE SOIL SAM	IPLING RECORD		
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Oneida Street Site - PDI I PROJECT NUMBER 3612122232/03	Phase III	SAMPLE LOCATION DP-188 START TIME	7-15-12- END TIME /0:40
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE ID MPDP 188 000 10 XX SAMPLE INTERVAL:	SAMPLE TIME /O: 40 COLLECTION EC	SITE NAME/NUMBER Mullen Property/633049	PAGE / OF /
X DISCRETE COMPOSITE OC SAMPLES	TOP Surface (0") BOTTOM 2" TYPE OF MATERIAL:	HAND AUGER S.S. SPLIT BAI ALUMINIUM F S.S. SHOVEL	/CORER	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER POTABLE WATER
DUPLICATE EQ BLK MS/MSD: YES NO	ORGANIC SAND GRAVEL CLAY FILL OTHER	SAMPLE OBSERVA ODOR COLOR OTHER PID	ations FIELD	NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ C ETHYL ALCOHOL SKETCH SHOWN/ATTACHED YES NO
ANALYTICAL PARAMETERS				
PARAMETER PARAMETER X PCB/Percent Solids	METHOD NUMBER PRESERVATION METHOD 8082A 4°C	VOLUME REQUIRED	COLLECTED COLLECTED	SAMPLE BOTTLE ID NUMBERS
A PUBLIFERENT SOLIDS	0002/1 4 U	(1) 402 Amoer Jar	75L	
				····
olleborn to black, e	Thes com, roots	SKETCH		
dry, loose, fill				
		See S	the Flypine	
		·		
Sampler Signature Sur June 1	Print Name: Thomas D. Longley			FIGURE 4.12
Checked By:	Date: 13/3//2	N'		IL SAMPLING RECORD RANCE PROJECT PLAN

	SURFACE S	OIL SAM	PLING RECORI	D	
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Oneida Stree PROJECT NUMBER	et Site - PDI P	hase III	SAMPLE LOCATION DP-189 START TIME	DATE 7-3573-
	SAMPLE ID	22232/03	SAMPLE TIME	/0:-/ SITE NAME/NUMBER	/0:55
	MPDP189 000 12	XX	10:55	Mullen Property/633049	OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:		COLLECTION	EQUIPMENT DI	ECON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"		HAND AUG S.S. SPLIT E ALUMINIU	BARREL	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:		S.S. SHOVE	ON/SPATULA	POTABLE WATER NITRIC ACID
DUPLICATE EQ BLK MS/MSD:	ORGANIC SAND GRAVEL CLAY		S.S. BUCKE OTHER S	Clovel hand	HEXANE 25% METHANOL/75% ASTM TYPE II H ₂ C ETHYL ALCOHOL
YES	FILL		ODOR NO		SKETCH SHOWN/ATTACHED
No.			OTHER PID O.		YES
ANALYTICAL PARAMETERS		·			
PARAMETER		SERVATION METHOD	VOLUME REQUIR	ED SAMPLE QC COLLECTED COLLECTE	SAMPLE BOTTLE ID
X PCB/Percent Solids	8082A	4°C	(1) 4oz Amber Ja		D NUMBERS
					
					
			•		
<u> </u>					
NOTES		:	SKETCH		
block dinkers	COAL, SAND, W RO				
, , ,	COAL, SAND, W RO	iots,		,	
dry, Fill					
U					
				•	
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	·				
·				•	
					•
	•				
Al Ast 1					
sampler Signature:	Print Name: Thoms D. Long	ybey			FIGURE 4.12 DIL SAMPLING RECORD
Checked By:	Date: +/31/12			NYSDEC QUALITY ASSU	JRANCE PROJECT PLAN

	SURFACE SOIL SA	MPLING RECORI).	
MACTEC 511 Congress Street, Portland Maine 04101	PROJECT NAME 3456 Oneida Street Site - PI PROJECT NUMBER	DI Phase III	SAMPLE LOCATION DP-199 START TIME	DATE 7-25-12-
	3612122232/03 SAMPLE ID	SAMPLE TIME	//:19 SITE NAME/NUMBER	//:\/3 PAGE
CAMPA D INDODMATION	XX 61000 PP1 90.9M	11:43	Mullen Property/633049	OF
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL	COLLECTION	EQUIPMENT DE	CON FLUIDS USED
X DISCRETE COMPOSITE	TOP Surface (0") BOTTOM 2"	HAND AUC S.S. SPLIT I	BARREL	ALL USED LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:	S.S. SHOVE		POTABLE WATER
DUPLICATE 60 EQ BLK MS/MSD:	ORGANIC SAND GRAVEL CLAY	S.S. BUCKE	gloved hand	NITRIC ACID HEXANE 25% METHANOL/75% ASTM TYPE II H ₃ C ETHYL ALCOHOL
YES	FILL OTHER	ODOR NO COLOR DIA OTHER PID O.	ch,	SKETCH SHOWN/ATTACHED YES NO
ANALYTICAL PARAMETERS	PRESERVATIO	N	ed Sample QC	SAMPLE BOTTLE ID
PARAMETER X PCB/Percent Solids	METHOD NUMBER METHOD 8082A 4°C	VOLUME REQUIR	COLLECTED COLLECTED	
X PCB/Percent Solids	. 8082A 4°C	(1) 4oz Amber J	ar Jes 100	
NOTES		SKETCH		
,	•	SKETCH		
blach, Clinkers, E	ore, routs, house, day,			
FILL				
		See	Site Figure	
		-		
		,		·
				·
	•			
11 01				
Sampler Signature:	If Print Name: Thomas D Longlag		SURFACE SO	FIGURE 4.12 IL SAMPLING RECORD
Checked By:	Date: 7/31/12]	NYSDEC QUALITY ASSU	

	SURFACE SOIL SA	MPLING RECOR	D	
MACTEC	PROJECT NAME 3456 Onelda Street Site - PD	I Phase III	SAMPLE LOCATION DP-200	7-25-12
511 Congress Street, Portland Maine 04101	PROJECT NUMBER		START TIME	END TIME
·	3612122232/03		11:55	17:02
	SAMPLE ID MPDP 20000012XX	SAMPLE TIME /2:02	SITE NAME/NUMBER Mullen Property/633049	PAGE / OF /
SAMPLE INFORMATION TYPE OF SAMPLE	SAMPLE INTERVAL:	COLLECTION	N EQUIPMENT D	ECON FLUIDS USED
X DISCRETE	TOP Surface (0")	HAND AU	GER/CORER	ALL USED
COMPOSITE	воттом 2"	S.S. SPLIT	BARREL	LIQUINOX/DI H ₂ O SOLUTION DEIONIZED WATER
OC SAMPLES	TYPE OF MATERIAL:	S.S. SHOV	EL DON/SPATULA	POTABLE WATER NITRIC ACID
(a) DUPLICATE	ORGANIC	S,S, BUCK	ET ,	HEXANE .
EQ BLK	SAND	OTHER	gloved hand	25% METHANOL/75% ASTM TYPE II H.
MSAMSD:	GRAVEL	SAMPLE OBSE	ERVATIONS	ETHYL ALCOHOL
YES	FILL	ODOR		O SKETCH SHOWN/ATTACHED
NO	OTHER	***	reh_	
		OTHER PID O	.0	YES NO
		-		
ANALYTICAL PARAMETERS				-
PARAMETER	METHOD NUMBER PRESERVATION METHOD	VOLUME REQUII	RED SAMPLE QC COLLECTED COLLECT	SAMPLE BOTTLE ID ED NUMBERS
X PCB/Percent Solids	8082A 4°C	(1) 4oz Amber	Jar yos yes	
NOTES		SKETCH		
,				
Collect: Sample				
duplicate				
MS	·			
M3D				
lo bock, clinhers,	od, Roots, louse,			
	. , ,			
dry, Free				
•				
·				
			•	
	,			
\mathcal{L}_{Λ}				
Sampler Signature:	Print Name: Thomas D. bonylog			FIGURE 4.12
	2/2/2			OIL SAMPLING RECORD
Checked By:	Date: 1/3///2		NYSDEC QUALITY ASSU	URANCE PROJECT PLAN

				SOIL BORING LOG		
2017 1	Λ		7	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring 1	DP-156
1VI.	AUL	L	ام	Project Location: New Hartford, New York	Page No	
511 Congress St	reet, Portland Maine	04101	Ì	Project No.: 3612122232/03 Client: NYSDEC		of:
Boring Location:	See Site Pl			Refusal Depth: Total Depth: 2.3		ole ID/OD: 4"
Weather: Sum				Soil Drilled: A. 3 Method: Direct Push	 	Size: 4"
Subcontractor;	GeoLogic NY,	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	
	MENZEL			Date Started: 7-25-12 Date Completed: 7-29-12	·	r ID/OD: (2")4"
Rig Type/Model: 6		30 DT		Logged By: TDLong 167 Checked By: 7781/12	·	r Wt/Fall: NA
Reference Elevation	·			Water Level: Time:	Hamme	
Sample Informa		nitoring				- 1)por Tereussi
Sample Number	the particular of the particul	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1.8 2:1	7 6.0	y	MPDP 156 000 12XX	89:40 gray brown SAND, to gravel is sitt, boose, very, mm-phranic File	Sm	
				B.O.E. Q 2.8'; NOT REFUSAL 20 3/51/12		
NOTES:						

SAMPLED INTERNAL @

							SOIL BORING LOG		
			$\Lambda \Lambda ($		F(Project Name: 3456 Oneida Street Site - PDI Phase III	Boring 1	DP-157
-		劃 上、	ATT 7/	ـــ بــ	L	<u> </u>	Project Location: New Hartford, New York	Page No	o. /
			gress Street, Portl				Project No.: 3612122232/03 Client: NYSDEC		of: (
		g Locati		ee Site Pla	an		Refusal Depth: — Total Depth: 2.3		ole ID/OD: 4"
	Weat		Sunny	80'5			Soil Drilled: 2.3 Method: Direct Push		Size: 4"
		ontractor		ogic NY, I	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	
į	Drille		JOE MEN	VZEL	20 7	19	Date Started: 7-25-12 Date Completed: 7-25-12 Logged By: 10 brules Checked By: 102-28-12		r ID/OD: (2)/4"
			del: Geo Pr	Grade	, go D	<u>''</u>	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		er Wt/Fall: NA
		ence Ele	nformation		nitoring		Water Level: Time: - ///	Hamme	er Type: Percussion
	S Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
2		1.8 5-1 2.3	2.3	0.0	J	MPDP15700713XX	09:50 DR. brown SAND, fine, tr. sitt, Well sorted, med-dense, dry, non-phonic; W/ coal pieces, clinkers; FILL	5m	·
3	NOT	ES:					B.O.E. @ 2.3°; NOT REFUSAL @ 7/31/12		
				PAMPLE.	PIN	TER!	M. Q		FIGURE 4.4

							SOIL BORING LOG			
		// 1	ΛΑ	. ال	F		Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	D: DP-173	
		ı T.	ATT 7	. بلا ب			Project Location: New Hartford, New York	Page No	· · · · · · · · · · · · · · · · · · ·	
			ress Street, Port				Project No.: 3612122232/03 Client: NYSDEC		of: I	
		g Locati		ee Site Pla	<u> </u>		Refusal Depth: Total Depth: 4.3	Bore Hole ID/OD: 4"		
	Weat		Sunny	,			Soil Drilled: 4, 3 Method: Direct Push	Casing Size: 4"		
	Drille	ontractor		ogic NY, I	nc.		P.I.D (eV): 10.6 eV Protection Level: Level D Date Started: 7-15-74 Date Completed: 3-35-74	Sample		
			Joe Me del: Geopra	NZEL	m 77		Logged By: TD Longley Checked By: 1 2 7/8/1/2		r Wt/Fall: NA	
		ence Ele		rade	10 21		Water Level: Time;	Hamme		
			nformation		nitoring				- zypor z credosion	
	Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks	
1		1.8 3-1 2-3	2.3/1.0	0.0	40	MPD917300213XX	10:00 Dk. brown Fill; SILT, for Sand, well Sorted, Stiff, dry, non-plastic, platy; FILL	ML		
3	X	3.8 5-2 4.3	2.0	0.0	z	MPDP00413XX	10:05 dle brown to black SAND, tr. gravel & Silt, well-graded, med dones, moist to wet at bottom, non-plastic, FILL; W COAL/Clinkers	Su		
5							B.O.E. AT 4.8'; NOT REFUNIL DASS/12			
	NO	TES:								
				SAMPL	ED 1	MTE	EXYAL Q		FIGURE 4.4 SOIL BORING LOG	

Ì							SOIL BORING LOG				
ĺ		/// \	ΛΔ		F($\overline{}$	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	D: DP-174		
		劃 上,	ATT 71	ــــــــــــــــــــــــــــــــــــــ	T.\	┙	Project Location: New Hartford, New York	Page No). <i>1</i>		
ļ			ress Street, Portl				Project No.: 3612122232/03 Client: NYSDEC	. 0	of; /		
		g Locat		ee Site Pla	m		Refusal Depth: Total Depth: 4, 3	Bore Hole ID/OD: 4"			
	Weat		SUNNY				Soil Drilled: 4.3 Method: Direct Push		Size: 4"		
		ontractor		ogic NY, I	nc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler			
	Drille		DE MEN	1202			Date Started: 7-35-73 Date Completed: 7-35-72		· ID/OD: (2")4"		
			del: G Go Pro		30 D		Logged By: T.D Longley Checked By: 18/1/2		r Wt/Fall: NA		
Ì		ence Ele	nformation	Frade Mo	nitoring		Water Level: Time:	Hamme	r Type: Percussion		
	Oppth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	R e marks		
1	X	1.8	2.3	0.0	y	MPDF 174 002 13XX	10:20 Vide brown to black, fine JAND, tr. sily Well sorted, tr. C. STADF f. Grand, dry, house, File	SM			
3		3.8 5-2 4.3	2.0	0.0	ý	WARF 174004FI ADAM	10:25 black-to-dk-reddish brown Coal & CINDERS	5m			
5							B.O.E. AT 4.3 , WOT REFWAL & 7/31/12				
	NOT	TES:	7790000								

54MPLED INTERVAL (1)

ı							SOIL BORING LOG			
			$\sqrt{\Lambda} \Delta C$		F)	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-188	
		】 丁 ,	ATT TI	ــــــــــــــــــــــــــــــــــــــ	\		Project Location: New Hartford, New York	Page No	o. /	
			gress Street, Port				Project No.: 3612122232/03 Client: NYSDEC		off.' (
		g Locat	····	ee Site Pla	an		Refusal Depth: — Total Depth: 4.3	Bore Hole ID/OD: 4"		
	Weat		Surry,	80'5			Soil Drilled: 4.3 Method: Direct Push	Casing Size: 4"		
		ontracto		ogic NY, I			P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler: Macrocore		
	Drille			EN ZEL		7,000	Date Started: 7-3573 Date Completed: 7-35-17		r ID/OD: (2")/4"	
			del: GEO A		JU D		Logged By: TI> Long by Checked By: 7/31/12 yflo		er Wt/Fall: NA	
		ence Ele	nformation	rade	nitoring		Water Level: Time:	Hamme	r Type; Percussion	
		ampie i	mormation	17101	Intorning					
	Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks	
1		.1.8 5-1 2.3	23/15	0.0	g.	XXE1 ESS BSI 2001W	10:34 dk. brawn to black, COM w f. Sand, to. SILT, Losso, well sorted, dry: FILL	Sm		
3	X	3.9 5-2 4.3	2.0/	0.0	y	MPDP 188 00412XX	10:38 Rock(s) prevent ford recovery: Ak.brn. Sand, fine, tr. gravel i sict, dry losse, non-phospic, FILL Megal: Very tip of spoon way be netive, olive brn. The	Sm		
5							B.O.E. Q 4.3', NOT REFUSAL (Q) 7/31/12			
	FON	TES:								
		-		JAWbr	LED	IMI	ERVAL @		FIGURE 4.4	

							SOIL BORING LOG			
İ			ΛAC		F		Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-189	
		』 上 、	. T T 7/	بد ب	111°	-	Project Location: New Hartford, New York	Page No		
			ress Street, Port				Project No.: 3612122232/03 Client: NYSDEC		of: /	
		g Locati		ee Site Pla	an		Refusal Depth: Total Depth: 5.3	 	ole ID/OD: 4"	
	Weath	ntractor	Sunny,	%0' 5 ogic NY, 1	I.a.o.		Soil Drilled: \$7.3 Method: Direct Push	Casing Size: 4"		
	Driller				inc.		P.I.D (eV): 10.6 eV Protection Level: Level D Date Started: 7-35-12 Date Completed: 7-35-13-	Sample		
			JOE ME del: GEOProl	NEEL	a "D7			Sampler ID/OD: (2)'/4" Hammer Wt/Fall: NA		
				rade	וכן ט		Logged By: TD Longley Checked By: 17/7/2/1/12 Water Level: Time:	Hamme		
			nformation		nitoring		Time, 1	Tamine	r rype. rereussion	
,	Oppth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks	
7	\forall	1.8 5-1 2.3	1.3	0.0	y	XXEHOOBSIGODW	10:45 dk. gellow brn. SALD & SILT, to gravel, medidense to dense, moist, non-plantic FILL - W/ com pieces	SM		
3	<u> </u>	3.8 5-2 4.3	30	0.0	g	W DOP OUT IN	10:48 Ale. brn. SAND & SILT, tr. Januar, well graded Agast, moist howet, SL. plastic, FILL &	SM		
6	X	5.8 5.3 6.3	20	0.0	g	MP 22, 006 12 XX	10:50 V. poor Recovery: Coal & SAND, Men & Alensa, hrist to wet, FILL: non plante ®	5M		
7	M	7.8 5-4 8.3	2.0	0.0	y	MADO 180 08 12 XX	10:52 db. brn. SAND, tr. to little silt, to. Jand, well graded, med. done (2) Saturated, nm-plastic: FILL B.O.E. Q 83"; NOT REFUSAL (2) 7/31/12	SM		
9	NOT:	ES:		AMPL	ÆD.	17	TERVAL (VD)	<u></u>	FIGURE 4.4	

FIGURE 4.4

						,	SOIL BORING LOG				
	2	/// TN	πΛο	ىلىر			Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-199		
İ			AT LI	ــــــــــــــــــــــــــــــــــــــ	E(┙	Project Location: New Hartford, New York). /			
l		511 Cong	gress Street, Portl	and Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	0	of: /		
	Borin	g Locati		ee Site Pla	an		Refusal Depth: F.3	Bore Ho	ole ID/OD: 4"		
	Weat	her:	Surry	80'3			Soil Drilled: 8.3 Method: Direct Push	Casing S	Size: 4"		
l		ontractor	r: GéóL	ogic NY, I	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler			
L	Drille			NEEL	6 12-	agrain.	Date Started: 7-15-12 Date Completed: 7-15-12		· ID/OD: 2"/4"		
·			del: GeoPro		JO DI		Logged By: TD bargley Checked By: 731/1		r Wt/Fall: NA		
-		ence Ele		Frade	. 14. 1		Water Level: Time:	Hamine	r Type: Percussion		
ŀ		ampie ii	nformation	Mo							
,	O Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks		
) _	X	1.8 5.1 2.3	2.3/1.3	0.0	y	MPOP 1990 BXX	11:19 Black & White (Sult & pepper") Cinders, COM, toose, dry: FILL	5m			
3	X	3.8 5-2 4.3	2.0	6,0	y	MPDP199 boy 12 XX	11:34 Change from clinburs i condons @ 14' 70 brown, fine SAND, i SILT, well gooded, med, dons, wet, ma-plastic; FILL D	SM			
5	X	5.8 5-3 6.3	20	00	y	XXE1 900 6H CODW	11:35 black cools clinbers to "6": change to brown Sand, w, white spees, tr. gravel, tr. S.LT, well graded, submitted boose, non-plustic, FILL WET &	SM			
7	X	4.8 5-4 8.3	2.0	0.0	y	MP DP 199 008 13-XX	11:38 Change of above to dhe gray native The (2 n 7.5' bgs.: driller notes "hard for last hot". (3) Kery dess, noist non-plestic; fine- grained Till, W' tr. fine grawl.	Sm/ ML			
9	NOT	TES:		3Ampl	ED I	IN TE	B.O.E. @ B.3'; NOT REFUSAL @BI/IZ		FIGURE 4.4		

FIGURE 4.4

	SOIL BORING LOG												
		// \	ΛΔ	بالب	F		Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	DP-Joo				
	ALC:	引工	ATT 7/	. ـلـ ب	١٠١		Project Location: New Hartford, New York	Page No					
		511 Cong	gress Street, Port				Project No.: 3612122232/03 Client: NYSDEC		of:				
		g Locat		See Site Pla	ın		Refusal Depth: Total Depth: 4.3	Bore Hole ID/OD: 4"					
1	Weat	·	Sunny	, 80'5			Soil Drilled: 4.3 Method: Direct Push		Size: 4"				
		ontractor		ogic NY, I	nc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler					
	Drille	er: <i>I</i>		NEEL	. 4 9		Date Started: 7-35-12 Date Completed: 7-35-13-	Sampler	r ID/OD: (2)''/4''				
			del: GeoPr		201	ור	Logged By: TD Longley Checked By: 1/1/2		r Wt/Fall: NA .				
		ence Ele		Grade			Water Level: Time:	Hamme	r Type: Percussion				
		ample l	nformation	Mot	nitoring		,						
	Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks				
1	X	1.8 5-1 2.3	2.3	0.0	40	MAPPEDOUGHAN	11:55 Ak.brn. to light yellow brw. SAND, tr. grand i silt, dense, moist-to-wet, File	Sm					
3 4	X	3.8 5-2 4.3	2.0	0,0	y	MPDPSEDENGXX	Med densif FILE	Sm					
5							B.D.E. @4.3'; NOT REFUSAL (4/31/1L						
	NO	r <u>es:</u>		4 no P1 150) /, ()	TE a	(A)						

1	17	,		1.9	<u> </u>	SOIL BORING LOG		
1		ΤΛ		T		Project Name: 3456 Oneida Street Site - PDI Phase III	Boring	ID:
1		ΛΤ <i>\</i> /				Project Location: New Hartford, New York	ļ	67-001
		igress Street, Por	tland Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	Page N	of: 2
J	ing Loca		See Site Pl			Refusal Depth: NA Total Depth: 32	Bore H	
We	ather: C	lemines,				Soil Drilled: 22' Method: H.S.A.		ole ID/OD: 5½° Size: 3½°
	contracto		ogic NY,	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	
Dril						Date Started: 6-13-12 Date Completed: 6-13-12		er: Split sporm er ID/OD: 3= 0.0.
	Type/Mo		1E-55			Logged By: T.D. Longley Checked By: All 1/4/12		er Wt/Fall: 140/30"
-	erence El		Grade			Water Level: Time:		er Type: Sapety
		Informátion T	Mo	nitoring		. VA		Jan B. J
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	, Remarks
	-					4-9-11-10 (Blows)		
2	5-1	2.0.7	0.0	No	e gamente	All FILL - brown gravel & sand & sect, brick pieces, dry, dense compact as	Sar	dvider comment "Deal hard Arilling"
3	5-2	20,6	0.0	Мь	_	10-10-15-15 Yellow brn. SAND, tr. SILT, tr. gravel, donse, oly Fill		. v
5	5.3	2.0/	0.2 To	No		8-12-15-17 Olive to Lt. yellow brn. SAND, tr. silt to gravel; Sand is well graded, non-plastic, dry to damp, dense compact a FILL		PID = 0.0 to 0.3 do
7	5-4	2.9%	0.0	Νb	***************************************	19-25-22-19 as abone; becoming moist, mottled, DENSE (<u>D</u> .	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
9 10	5-5	0.9	0.0	No	State State	10-50/0.4' Ct. yellow brn. to elive brn. SAND; tr. gravel tr. cobble/stone, tr. to Little SILT, v. dense, drong; Non-plastic FILL	moist	<u>-</u> @
11	5-6	2.0	0.0	Mu)	1-2-5-3 16-gellow bin. FILL, W/ wood (Nee) piece; Louse @		
13	Harry C	AND MORE STATE LEAT AND AND AND AND AND AND AND AND AND AND	en ordentelelle 941 (MAC) 943 (Manual)	Campaning of Principle of Schoolship (1997)	SPECIOLOGIA		ann	
15							SM	
NOT	TES: 6							

NOTES: @ WATER LEVEL ESTIMATED AT 12 BGS BOSED ON WATER COVER WITHIN SAUGUOIT CREEK Q 7/14/12 S

FIGURE 4.4

SOIL BORING LOG NYSDEC QUALITY ASSURANCE PROGRAM PLAN

1111			SOIL BORING LOG Project Name: 2456 Ovelde Street Site PDI Please IVI	Boring	ID:
$M N \Lambda \Delta C$	TEC		5450 Oheida Street Site - PDI Phase III	Boring	6T-001
INTI IC	/ I I/	∠	Project Location: New Hartford, New York	Page N	o. <u>J</u>
511 Congress Street, Portland			Project No.: 3612122232/03 Client: NYSDEC		of: 🔑
	e Site Plan		Refusal Depth: NA Total Depth: 22	Bore H	ole ID/OD:
eather: CLEMING-			Soil Drilled: みな Method: H.S.A.	Casing	
	gic NY, Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	er: Split Spoon
iller: S. LARRAME			Date Started: 6-13-12 Date Completed: 6-13-12		r ID/OD: 2= 0.D.
g Type/Model: CME			Logged By: 7.D. Longuey Checked By: 4 7/6/12		er Wt/Fall: 140f 30"
	rade		Water Level: Time:	Hamine	er Type: <i>Safety</i>
Sample Information	Monitoring				,
Sample Number Penetration/ Recovery (feet)	PID Field Scan Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
47	0.0 No	* (Tellahira pada	14-28-40-50 gray SAND, tr. gavel & silt, poorly graded, f. To-med. sand, Very donese TILL	SM	Bobs pictura 13:26 p.m. wing date of 6-14.
4.9 1.4	ert heldt Scheid deur stewyr stiwe	*idedazashvinoe	25-45-50/0.4		
	0.D No		As shore, dark gray is comented	Sm	9
_			reminate @ 22 bys NOT REFUSAL (4) 7/10/12		
-		-			
		•			
OTES:					

						SOIL BORING LOG		*
-		MA	CT	F		Project Name: 3456 Oneida Street Site - PDI Phase III	Boring	SID: 67-007
	ــ سخية 511 Co	ngress Street, Po	rtland Main	04101		Project Location: New Hartford, New York	Page 1	No. 1
Bot	ing Loca		See Site P			Project No.: 3612122232/03 Client: NYSDEC		of:
		Sunny & 4				Refusal Depth: /6.3' Total Depth: /6.3' Soil Drilled: /6.3' Method: U.S.A.	Bore I	Hole ID/OD: 52"
Sub	contract		Logic NY,			P.LD (eV): 10.6 eV	Casing	
			RAMEE			Date Started: 1 44 12	Sampl	
	Type/M		E - 5	5		Logged By: 7.0 bonacky Checked By: A 77 1812		er ID/OD: 2=0.D.
			Grade			Water Level: Time:		er Wt/Fall: 140 /35" er Type: SAPETY
		Information	Mo	onitoring	<u> </u>	VV	Trainin	Type, Milery
S Depth (feet bgs)	ľ	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1	5-1	2.0/	0.0	No		1-5-8-11 (Hows) dle gray to dle born. SAND & SILT, to grand, fr. cobble; topsod over FILL: med. donse dry: LORSE (D):	SmC	
3	5-2	2.0/0.8	0.0	No	-	5-8-3-3 As Above to 0.4: Mun, yellow brn. f. SAND, Little SALT, well sorted, damps non-plastic: Fill moist @		09:45
5	5-3	20/10	0.0	yes	67-002	4-3-4-5 Gray Sans & Silt, tr. gravel, wet, St. plastic to 0.2', then black climbers to one, then relation bon. f 70-med. SAND, th. sile to Little Silt; FILL took picture, LOOSE @	Sin (4"6" SENT TO HAD FOR SIEVE Analysis (19:53)
7	54	20/0.8	0.0	No		JANE @ 65 ebove; FILL N/ black clinker Jane @ 0.3', Saturded, non-plastic, compact WET Q.	Smy	10:64
10	35	<u>2.9</u> 1.1	0.0	No	#44ptu navasi	8-11-12-10"db. btn. by reddish tint f. SAND & SIUT, over gravel, over dk. gray SILT, tr. clay, tr. sand, bottom locks notward below free	Sm-&	took picture
11 12	5-6	N.R.	N.R.	yes	(10-cz-)	gray SILT 15 V. STIFF SL. plastic 10-1-9-9 NATIVE SOIL @ 10 DK. 9 pay SILT, tr. clay, tr. f. sand, to gravel, WELL STEP, V. well sorted, V-stiff, SL. plastic, fine-grained TILL FIRM (1)	ML	for siève analysis plus hydrometer
13								
14								
15								
TON	ES:	N.R.= N	OT RUZ	202067				

BORING 15 ~ 5 EAST & 2 Sewth of Surveyed Lation SOIL BORING LOG NYSDEC QUALITY ASSURANCE PROGRAM PLAN

	SOIL BORING LOG	
MACTEC	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring ID:
TATATOTEC	Project Location: New Hartford, New York	Boring ID: 67-002
511 Congress Street, Portland Maine 04101	Project No.: 3612122232/03 Client: NYSDEC	Page No. 2
Boring Location: See Site Plan	Refusal Depth: 16.3 Total Depth: 16.3	Bore Hole ID/OD:
Weather: Sunny Wayn: 70'S Subcontractor: GeoLogic NY, Inc.	Soil Drilled: 16.3 Method: H.S.A.	Casing Size: 314°
Subcontractor: GeoLogic NY, Inc. Driller: S. LARIMEE	P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler: Split Spor
Rig Type/Model: CME- 55	Date Started: 6-14-17 Date Completed: 6-119-17	Sampler ID/OD: 2°0. \(\Delta \)
Reference Elevation: Grade	Logged By: T. D. bryley Checked By: Time:	Hainmer Wt/Fall: 140/32"
Sample Information Monitoring	water Level: Time:	Hammer Type: Sajeto
Sample Number Sample Number Penetration/ Recovery (feet) PID Field Scan Lab Tests Performed Lab Sample ID	Sample Description and Classification	Chong Sympol
15 16 5-7 1.4/0.8 0.0 No -	11-40-596.4 DK. gray SILT, to. f. sand, to e. sand, to. grand, to. cobble, well sorted W. Stiff, wet non-physic massive TILL Auger Refusion @ 16.3	ML 10:36
18	Auger Refusin @ 16.3	
NOTES:		

			•	SOIL BORING LOG	·	
21117 1			$\overline{}$	Project Name: 3456 Oneida Street Site - PDI Phase III	Boring I	D: GT-003
	1Ut	上		Project Location: New Hartford, New York	Page No	
511 Congress Stree	t, Portland Maine	04101		Project No.: 3612122232/03 Client: NYSDEC	 	of: 2
Boring Location:	See Site Pl	an		Refusal Depth: NA Total Depth: 37	Bore Ho	le ID/OD: 55"
Weather: Sun		p.5		Soil Drilled: 27' Method: H.S.A.	Casing S	
Subcontractor:	GeoLogic NY,	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	Split Spear
	pa mee			Date Started: 6-14-17 Date Completed: 5/15-137	Sampler	
Rig Type/Model: C				Logged By: T.D. Lows Lizy Checked By:	Hammer	r Wt/Fall: 140/3000
Reference Elevation:	Grade	. 1 1.		Water Level: Time:	Hamme	r Type: Jufety
Sample Information	on Mc	nitoring		•		V
Sample Number Penetration/	Kecovery (reet)	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
				2-27-9-4 (blows)		15:00
2 5-1 2.0%	7 0.1	No	,	Blackish, organic rich topsoil, over olive bron. To yellow bron. SAND & GRAVEL to Sibt dry dense FILL		
3 5-2 2.9	0.0	No		5-2-1-1 dark rusty brn. SAND, to gover/sitt, well graded sand, damp, dense. FILL		
5 5-3 2.9	3.2	e e a demontragación, ma entracación	harang phasa tabu p	2-3-6-4 As above, moist, non-plastic, loose @		
		No		FILL		
5-4 30 8	0.0	NO	Alteria managar	4-6-9-10 FILL over notive (last 0.5), gray to brn. gray		15:29 took picture
9 5-5 2.0	0.0	NO	_	5-6-6-7 gray to elk. gray SILT, & CLAY, V. weell sorted, moist, 57+4f non-plastic, ALLUVIUM: button 0.2 W/tr. sand	ML	13.47 Bok pickine
11 5.6 2.0		No		Massive dark gray SILT & Chay damp, Non-plastic, stiff, to soul & 11-12; varved Allevium	ML	
13				Augus w/ grinding sound @ 14-15		
14						
15						
NOTES:						

			SOIL BORING LOG		
MINT A			Project Name: 3456 Onelda Street Site - PDI Phase III	Boring I	D: 6T-003
	O L E		Project Location: New Hartford, New York	Page No	
511 Congress Street, Port	tland Maine 04101		Project No.: 3612122232/03 Client; NYSDEC		of: 3 -
Boring Location: 8	Sec Site Plan		Refusal Depth: NA Total Depth: 27		ole ID/OD: 5½"
Weather: Survey W	leym, 70's		Soil Drilled: 27.' Method: H.S.A.	Casing S	
Subcontractor: GeoL	ogic NY, Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	
Driller: S. Larran	~c<		Date Started: 6-14-13- Date Completed: 6-14337	Sampler	ID/OD: 2-01
	2-55		Logged By: T.D. Longuey Checked By: 1/9/5/13	Hamme	r Wt/Fali: 140/30"
	Grade		Water Level: Time://// 1//	Hamme	
Sample Information	Monitoring	<u> </u>			
Sample Number Sample Number Penetration/ Recovery (feet)	PID Field Scan Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
16 5-7 03/013	0.0 /00		150/0.3' Sponrefusik @ 15.3' Ak. gray to black SILT, CLAY (if CRAVELO V. tip) W broken rock, well sorted of Stiff Allevium HARD OF	M	
19					
90	and the state of t		46-50/0.4'		16:23
22 3-8 0.7	0,0	e and	Dk. gray, well sorted f. SAND, Soltwated, dense, non plantic, goding into broken rock; ALLUNIAM OVER TILL? over rock?	SW	
23			"hard till" @ 24.5'-driller comment		
34			No auger challer but, hard drilling		
36 5-9 1.3/ 32 33		e ca masaccyclaria.	24-16-50/0.3' V. DENSE @ dark gray f to- med. SAND, well sorted alt. W. gravelly sections; and Enseriff SILT & CLAY, W. V. Thin suggry sand lenses is bottom HARD ®	\$\$\sqrt{5m}	16:41 took picture @ 16:47, wang date of 6-15-12
			Herm mate @ 27' NOT REFUAL @ 7/16/12		V
NOTES:					

			SOIL BORING LOG		
1110-			Project Name:	Boring	ID:
	``!` ` =} (3456 Oneida Street Site - PDI Phase III	205	ID: GT-004
1 1 1 1 1	Y I II'		rioject Location: New Hartiora, New York	Page No	0. /
511 Congress Street, Port			Project No.: 3612122232/03 Client: NYSDEC		of; /
	See Site Plan		Refusal Depth: 11.5 Total Depth: 11.5	 	ole ID/OD: 5½"
	h'5		Soil Drilled: 11.5' Method: H.S.A.	Casing	· · · · · · · · · · · · · · · · · · ·
····	ogic NY, Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sample	
Driller: 3. LARA			Date Started: 6-14-12 Date Completed: 6-14-12	 	r ID/OD: 2.00.
	<u>5-55</u>	-	Logged By: T.D. Long Lety Checked By: 177 1012		er Wt/Fall: 140/30"
	Grade		Water Level: Time:	Hamme	er Type: JAPUFY
Sample Information	Monitoring	T			
Sample Number Penetration/ Recovery (feet)	PID Field Scan Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
5-1 2.0,9	1.0 No		1-2-3-4 (BLOWS) Ale bro. topsoil or poots, SILT, tr. Sound, tr. gravel, well sorted, Amp, v. Leose. @		11:35
3 57 30,2	6,0 NO		7-6-14-19 "M. gray Saugy SILT & SAND, tr. gravel, wet compact @ FILE		//:53
5 5-3 2,0	0.0 No		16-12-12-11 Variably oblossed - gravel, SMD, SIUT, dense, dongs Well godel, FILL	+ c	took picture
The state of the s	M. STATES OF PARTICLES AND STREET OF	P - VIGILIAN MAI	14-10-9-8 Top of Nowtine 8=7.5'		† , ,
7 5-4 2.0 0.6	0.0 No	_	fill ever black organic lense, w/ old roots, then It. brn. SILT & CLAY (native), V. well sorted, V. STIFF, SL. plastic wet, Alwanium/Varved,	ML	Took 2 pioteres
9 5.5 3.0	o.o yes	(4.5'-10')	7-10-14-10 dk. gray SIVT & CLAY, V. well Sorted, moist, V. stiff, non-plastic: parts along varved surfaces: Allevien	m	Sample submitted for sieve plus Hydrometer
11 5-6 0.9	0.0 No		21-50/0.3' As alone -but dk. gray to gray in verves; HARD bottom is caushed socle - Allevicen	®)	Augus û rocks Q
			Auger Refusal @ 11.5° @ 14:08		
North					

(which is incornectly labeled as DP-238)

NYSDEC QUALITY ASSURANCE

NYSDEC QUALITY ASSURANCE PROGRAM PLAN

					SOIL BORING LOG		
JUN TO	/T A /			$\overline{}$		Boring I	D:
	VI A (E(Ì		Dana Ma	GT-005
511 Cor	gress Street, Port	land Maine	04101		Project Location: New Hartford, New York Project No.: 3612122232/03 Client: NYSDEC	Page No	o. /
Boring Loca		ce Site Pla			Refusal Depth: 12.3' Total Depth: 12.3'		ole ID/OD: 5/2"
Weather:	Cleaning,				Soil Drilled: /2·3 Method: H.S.A.	Casing S	
Subcontracto		ogic NY, I	Inc.		P.I.D (eV): 10.6 eV Protection Level: Level D	Sampler	
Driller:		MOS	,		Date Started: 6-13-12 Date Completed: 6-13-12-		DOD: 200.
Rig Type/M		18-55			Logged By: T.D. Longley Checked By: At plula		r Wt/Fall: 140/35"
Reference E		Frade				Hamme	r Type: Sapery
Sample	Information	Mo	nitoring		1/1		13por 34F219
(S;S)					V 4	0.	
Opth (feet bgs)	Penetration/ Recovery (feet)	PID Field Scan	Lab Tests Performed	Lab Sample ID	Sample Description and Classification	USCS Group Symbol	Remarks
1 5-1	2.0	0.0	No	~	3-2-2.3 (Blows) Ale. gallew brn. SILT, little f. sand, togsoil, V. loose. (D. FILL		14:34
3 5-2	3.0	00	No	1	J-4-5-4 Yellow born. P. SAND well sorted, losse to-firm) tr. to little silt, damp, non-plastic, Allevium	Sm	
5 5-3	2.0	0.0	No	<i>\</i>	7-13-14-13 Gellow brn. Till, to 0:7' then of the gray Till, SAND, tr. granel, tr-to-little silt, compact of mon-plants	SM	
7 5-4	3.0 1.4	0.0	No		23-19-12-21 dark gray TILL, fto-med SAND, wellgraded, tr. groved, Little to and SILT, TILL: tredoms wet, SL. plastic, compact &	SM	
9 5-5	0.9	N.R.	مريع		No recover due to gravel stuck in spoor	SM	
11 5.6	0.9	0.0	No		27-50/0.4' Gray TILL, SAND well-graded, tr. gravel, trte little SILT, V. dance, wet, non-plastic, massive	-Sn	
/3					AT 12.3°, Auger Refusal: Grobe 2 Cutting teeth: noed to Repair this tonight		
NOTES:				:			

N.R. = NOT Recorded

Remedial Design Pre-Design Investigation Report (Phase III) – 3456 Oneida Street
NYSDEC-Site No. 633049
MACTEC Engineering and Consulting, P.C., Project 3612122232

September 2012

ATTACHMENT 2

CHEMISTRY REVIEW REPORT AND COMPLETE ANALYTICAL RESULTS

CHEMISTRY REVIEW REPORT 2012 SOIL SAMPLING EVENT 3456 ONEIDA STREET NEW HARTFORD, NEW YORK

1.0 INTRODUCTION

Soil and aqueous rinse blank samples were collected at 3456 Oneida Street Site in June and July 2012 and submitted to Test America Laboratory located in Buffalo, New York for analysis. A listing of samples included in this chemistry review report is presented in Table 1. Samples were analyzed by one or more of the following methods:

- Volatile Organic Compounds (VOCs) by USEPA Method 8260B
- Polychlorinated Biphenyls (PCB) by USEPA Method 8082A
- Percent Moisture by EPA Method 160.3

Deliverables for the off-site laboratory analyses included a Category A deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A project chemist review was completed. EPA Region 2 QC limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, duplicates, surrogate recovery, and spike recovery), electronic data reporting, and data qualification. With the exception of the items discussed below, results are interpreted to be usable as reported by the laboratory. A summary of the analytical results is presented in Table 2. The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected at the reported detection limit J = concentration is estimated

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 SOIL SAMPLES

2.1 Volatile Organic Compounds (VOCs)

Eleven soil samples were submitted for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl-tert-butyl-ether (MTBE) by SW-846 8260B. No quality issues were identified and results are interpreted to be usable as reported by the laboratory.

2.2 Polychlorinated Biphenyls (PCBs)

Seventy two soil samples were submitted for analysis of PCBs (aroclors) by SW-846 8082A. No quality issues were identified and results are interpreted to be usable as reported by the laboratory.

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

USEPA Region 2, 2006. "Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A"; SOP # HW-45, Revision 1, Hazardous Waste Support Branch; October 2006.

Data Validator: Tige Cunningham, NRCC-EAC

Date: 8/29/12

Reviewed by Chris Ricardi, NRCC-EAC

Quality Assurance Officer

Date: 9/4/12

TABLE 1 - SAMPLE SUMMARY CHEMISTRY REVIEW REPORT 2012 SOIL SAMPLING EVENT 3456 ONEIDA STREET NEW HARTFORD, NEW YORK

					<u> </u>	1 1/00		C - II-I-
					Class	VOC	PCBs	Solids
				Anal	lysis Method	1	SW8082	E160.3
					Fraction	T	Т	Т
		Location	Sample Date		Qc Code			
1	SOIL	DP-216	6/12/2012	MPDP21600212XX	FS	7	8	2
1	SOIL	DP-216	6/12/2012	MPDP21600012XD	FD	7	8	2
1 1	SOIL	DP-216	6/12/2012	MPDP21600012XX	FS	7	8	2
	SOIL	DP-217	6/12/2012	MPDP21700212XX	FS	7	8	2
1	SOIL	DP-217	6/12/2012	MPDP21700012XX	FS	7	8	2
	SOIL	DP-218	6/12/2012	MPDP21800212XX	FS	7	8	2
	SOIL	DP-218	6/12/2012	MPDP21800012XX	FS	7	8	2
480-21261-1	SOIL	DP-219	6/12/2012	MPDP21900212XX	FS	7	8	2
480-21261-1	SOIL	DP-219	6/12/2012	MPDP21900012XX	FS	7	8	2
480-21261-1	SOIL	DP-220	6/12/2012	MPDP22000212XX	FS	7	8	2
480-21261-1	SOIL	DP-220	6/12/2012	MPDP22000012XX	FS	7	8	2
480-21261-1	BW	QC	6/12/2012	Trip Blank	TB	6		
1	BW	lac l	6/12/2012	MPQS012XXX12XX	EB	6	7	
	SOIL	DP-216	6/12/2012	MPDP21600412XX	FS		8	2
1	SOIL	DP-217	6/12/2012	MPDP21700412XX	FS		8	2
	SOIL	DP-218	6/12/2012	MPDP21800412XX	FS		8	2
1	SOIL	DP-219	6/12/2012	MPDP21900412XX	FS	•	8	2
	SOIL	DP-221	6/12/2012	MPDP22100212XX	FS		8	2
	SOIL	DP-221	6/12/2012	MPDP22100012XX	FS		8	2
L I	SOIL	DP-222	6/12/2012	MPDP22200212XX	FS		8	2
	SOIL	DP-222	6/12/2012	MPDP22200412XX	FS		8	2
li di di di di di di di di di di di di di	SOIL	DP-222	6/12/2012	MPDP22200012XX	FS		8	2
	SOIL	DP-223	6/12/2012	MPDP22300212XX	FS		8	2
II I	SOIL	DP-223	6/12/2012	MPDP22300012XD	FD		8	2
	SOIL	DP-223	6/12/2012	MPDP22300012XX	FS		8	2
1		1	6/12/2012	MPDP22400212XX	FS		8	2
1)	SOIL	DP-224		MPDP22400212XX				2
1 1	SOIL	DP-224	6/12/2012		FS		8	2
	SOIL	DP-225	6/12/2012	MPDP22500212XX	FS		8	
1	SOIL	DP-221	6/12/2012	MPDP22100412XX	FS ·		8	2
	SOIL	DP-223	6/12/2012	MPDP22300412XX	FS		8	2
	SOIL	DP-225	6/12/2012	MPDP22500412XX	FS		8	2
1	SOIL	DP-225	6/12/2012	MPDP22500012XX	FS		8	2
1	SOIL	DP-226	6/12/2012	MPDP22600212XX	FS		8	2
1	SOIL	DP-226	6/12/2012	MPDP22600012XX	FS		8	2
	SOIL	DP-227	6/12/2012	MPDP22700212XX	FS		8	2
1	SOIL	DP-227	6/12/2012	MPDP22700012XX	FS		8	2
480-21276-1	SOIL	DP-228	6/12/2012	MPDP22800212XX	FS		8	2
480-21276-1	SOIL	DP-228	6/12/2012	MPDP22800012XX	FS		8	2
480-21276-1	SOIL	DP-229	6/12/2012	MPDP22900212XX	FS		8	. 2
480-21276-1	SOIL	DP-229	6/12/2012	MPDP22900012XX	FS		8	2
480-21276-1	SOIL	DP-230	6/13/2012	MPDP23000212XX	FS		8	2
480-21276-1	SOIL	DP-230	6/13/2012	MPDP23000012XD	FD		8	2
1 1	SOIL	DP-230	6/13/2012	MPDP23000012XX	FS		8	2
	SOIL	DP-231	6/13/2012	MPDP23100212XX	FS		8	2
	SOIL	DP-231	6/13/2012	MPDP23100012XX	FS		8	2
I I		DP-232	6/13/2012	MPDP23200212XX	FS		8	2

TABLE 1 - SAMPLE SUMMARY CHEMISTRY REVIEW REPORT 2012 SOIL SAMPLING EVENT 3456 ONEIDA STREET NEW HARTFORD, NEW YORK

					Class	VOC	PCBs	Solids
				Ana	lysis Method	SW8260B	SW8082	E160.3
					Fraction	T	T	T
SDG	Media	Location	Sample Date	Sample ID	Qc Code			
480-21278-1	SOIL	DP-232	6/13/2012	MPDP23200012XX	FS		8	2
480-21278-1	SOIL	DP-233	6/13/2012	MPDP23300212XX	FS		8	2
480-21278-1	SOIL	DP-233	6/13/2012	MPDP23300012XX	FS		8	2
480-21278-1	SOIL	DP-234	6/13/2012	MPDP23400212XX	FS		8	2
480-21278-1	SOIL	DP-234	6/13/2012	MPDP23400012XX	FS		8	2
480-21278-1	SOIL	FP-014	6/13/2012	MPFP01400112XX	FS		8	2
480-21278-1	SOIL	FP-015	6/13/2012	MPFP01500112XX	FS		8	2
480-21278-1	SOIL	FP-016	6/13/2012	MPFP01600112XX	FS		8	2
480-21278-1	ВW	QC	6/13/2012	MPQS013XXX12XX	EB	6	7	
480-23191-1	SOIL	DP-156	7/25/2012	MPDP15600012XX	FS		8	2
480-23191-1	SOIL	DP-157	7/25/2012	MPDP15700012XX	FS		8	2
480-23191-1	SOIL	DP-173	7/25/2012	MPDP17300212XX	FS		8	2
480-23191-1	SOIL	DP-173	7/25/2012	MPDP17300012XD	FD		8	2
480-23191-1	SOIL	DP-173	7/25/2012	MPDP17300012XX	FS		8	2
480-23191-1	SOIL	DP-174	7/25/2012	MPDP17400212XX	FS		8	2
480-23191-1	SOIL	DP-174	7/25/2012	MPDP17400012XX	FS		8	2
480-23191-1	SOIL	DP-188	7/25/2012	MPDP18800212XX	FS		8	2
480-23191-1	SOIL	DP-188	7/25/2012	MPDP18800012XX	FS		8	2
480-23191-1	SOIL	DP-189	7/25/2012	MPDP18900212XX	FS		8	2
480-23191-1	SOIL	DP-189	7/25/2012	MPDP18900412XX	FS		8	2
480-23191-1	SOIL	DP-189	7/25/2012	MPDP18900012XX	FS		8	2
480-23191-1	SOIL	DP-199	7/25/2012	MPDP19900212XX	FS		8	2
480-23191-1	SOIL	DP-199	7/25/2012	MPDP19900412XX	FS		8	2
480-23191-1	SOIL	DP-199	7/25/2012	MPDP19900612XX	FS		8	2
480-23191-1	SOIL	DP-199	7/25/2012	MPDP19900812XX	FS		8	2
480-23191-1	SOIL	DP-199	7/25/2012	MPDP19900012XX	FS		8	2
480-23191-1	SOIL	DP-200	7/25/2012	MPDP20000212XX	FS		8	2
480-23191-1	SOIL	DP-200	7/25/2012	MPDP20000012XD	FD		8	2
480-23191-1	SOIL	DP-200	7/25/2012	MPDP20000012XX	FS		8	2
480-23191-1	вw	QC	7/25/2012	MPQS014XXX12XX	EB		7	
480-23191-1	вW	QC	7/25/2012	MPQS015XXX12XX	EB		7	

Notes:

Number listed under method indicates number of target analytes reported.

Produced by: BJS 8/9/12 Checked by: TLC 8/23/12

	Sample Delivery Group	ery Group	480-21261-1	480-21261-1	480-21261-1	480-21261-1	480-21261-1	480-21261-1
		Location	DP-216	DP-216	DP-216	DP-217	DP-217	DP-218
	Sai	Sample Date	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012
		Sample ID	MPDP21600212XX	MPDP21600012XD	MPDP21600012XX	MPDP21700212XX	MPDP21700012XX	MPDP21800212XX
		Qc Code	FS	FD	FS	FS	FS	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/kg	6.3 U	4.7 U	4.7 U	5.8 U	5.3 U	5.5 U
SW8260B	Ethyl benzene	ug/kg	6.3 U	4.7 U	4.7 U	5.8 U	5.3 U	5.5 U
SW8260B	Methyl Tertbutyl Ether	ug/kg	6.3 ∪	4.7 U	4.7 U	5.8 U	5.3 U	5.5 U
SW8260B	Toluene	ug/kg	6.3 U	4.7 U	4.7 U	5.8 U	5.3 U	5.5 U
SW8260B	Xylene, o	ug/kg	6.3 ∪	4.7 U	4.7 U	5.8 U	5.3 U	5.5 U
SW8260B	Xylenes (m&p)	ug/kg	13 U	9.3 ∪	9.3 ∪	12 U	11 U	11 U
SW8260B	Xylenes, Total	ug/kg	13 U	9.3 ∪	9.3 U	12 U	11 U	11 U
SW8082	Aroclor-1016	mg/kg	0.24 U	0.35 U	0.22 U	0.25 U	0.19 U	0.22 U
SW8082	Aroclor-1221	mg/kg	0.24 U	0.35 U	0.22 U	0.25 U	0.19 U	0.22 U
SW8082	Aroclor-1232	mg/kg	0.24 U	0.35 U	0.22 U	0.25 U	0.19 U	0.22 U
SW8082	Aroclor-1242	mg/kg	0.24 U	0.35 U	0.22 U	0.25 U	0.19 U	0.22 U
SW8082	Aroclor-1248	mg/kg	0.24 U	0.35 U	0.22 U	0.25 U	0.19 U	0.22 U
SW8082	Aroclor-1254	mg/kg	0.24 U	1.9		0.25 U	0.3	0.22 U
SW8082	Aroclor-1260	mg/kg	0.24 U	0.35 U	0.22 U	0.25 U	0.19 U	0.22 U
SW8082	PCB (total)	mg/kg	0.24 U	1.9	1.1	0.25 U	0.3	0.22 U
E160.3	Percent Moisture	percent	22	3.7	5.8	16	5.1	8.5
E160.3	Percent Solids	percent	78	96	94	84	95	92
Notes:								

Notes:

Img/kg = millgrams per kilogram

lug/kg - micorgrams per kilogram

Qualifiers:

U = not detected, value is the reporting limit

J = value is estimated

FD = Field Duplicate Sample

FS = Field Sample

	Sample Delivery Group	ery Group	480-21261-1	480-21261-1	480-21261-1	480-21261-1	480-21261-1	480-21261-2
		Location	DP-218	DP-219	DP-219	DP-220	DP-220	DP-216
	Sar	Sample Date	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012
	40	Sample ID	MPDP21800012XX	MPDP21900212XX	MPDP21900012XX	MPDP22000212XX	MPDP22000012XX	MPDP21600412XX
		Qc Code	FS	FS	FS	FS	FS	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/kg	4.7 U	5.4 U	4.9 U	4.9 ∪	4.9 U	
SW8260B	Ethyl benzene	ug/kg	4.7 U	5.4 U	4.9 U	4.9 U	4.9 U	
SW8260B	Methyl Tertbutyl Ether	ug/kg	4.7 U	5.4 U	4.9 U	4.9 U	4.9 U	
SW8260B	Toluene	ug/kg	4.7 U	5.4 U	4.9 U	4.9 ∪	4.9 U	
SW8260B	Xylene, o	ug/kg	4.7 U	5.4 U	4.9 U	4.9 U	4.9 U	
SW8260B	Xylenes (m&p)	ug/kg	9.3 ∪	11 U	9.8 U	9.9 ∪	9.8 ∪	
SW8260B	Xylenes, Total	ug/kg	9.3 ∪	11 U	9.8 U	9.9 ∪	9.8 U	
SW8082	Aroclor-1016	mg/kg	0.21 U	0.24 U	0.21 U	0.26 U	0.2 U	0.27 U
SW8082	Aroclor-1221	mg/kg	0.21 U	0.24 U	0.21 U	0.26 U	0.2 U	0.27 U
SW8082	Aroclor-1232	mg/kg	0.21 U	0.24 U	0.21 U	0.26 U	0.2 U	0.27 U
SW8082	Aroclor-1242	mg/kg	0.21 U	0.24 U	0.21 U	0.26 U	0.2 U	0.27 U
SW8082	Aroclor-1248	mg/kg	0.21 U	0.24 U	0.21 U	0.26 U	0.2 U	0.27 U
SW8082	Aroclor-1254	mg/kg	0.24	0.33	0.21 U	0.43	0.2 U	0.27 U
SW8082	Aroclor-1260	mg/kg	0.21 U	0.24 U	0.21 U	0.26 U	0.2 U	0.27 U
SW8082	PCB (total)	mg/kg	0.24	0.33	0.21 U	0.43	0.2 U	0.27 U
E160.3	Percent Moisture	percent	5.4	9.5	4.5	⇉	3,4	22
E160.3	Percent Solids	percent	95	90	96	89	97	78
Notes:								

ug/kg - micorgrams per kilogram mg/kg = millgrams per kilogram

U = not detected, value is the reporting limit J = value is estimated Qualifiers:

FS = Field Sample

0.18 U 0.18 U	B Benzene ug/kg B Ethyl benzene ug/kg B Methyl Tertbutyl Ether ug/kg B Toluene ug/kg B Xylene, o ug/kg B Xylenes (m&p) ug/kg Xylenes, Total ug/kg	Sample Delivery Group Location 480-21261-2 480-21261-2 480-21261-2 480-21261-2 480-21261-2 480-21261-2 480-21261-2 480-21261-2 480-21261-2 480-21261-2 DP-218 DP-219 DP-219 DP-219 DP-219 6/12/2012 6/12/2012 6/12/2012 MPDP21800412XX MPDP21800412XX MPDP2190041 FS FS FS FS FS FS Result Qualifier Result Qualifier Result Qualifier Result Qualifier
0.31 U		
0.18 U		480-21261-2 DP-218 6/12/2012 MPDP21800412XX FS Result Qualifier
0.23 U		480-21261-2 DP-219 6/12/2012 MPDP21900412XX FS Result Qualifier
0.3 ∪		480-21267-1 DP-221 6/12/2012 MPDP22100212XX FS Result Qualifier
0.22 U		480-21267-1
i		480-21267-1 DP-222 6/12/2012 MPDP22200212XX FS Result Qualifier

mg/kg = millgrams per kilogram ug/kg - micorgrams per kilogram Qualifiers: J = value is estimated

U = not detected, value is the reporting limit

FS = Field Sample

	Sample Delivery Group	ery Group	480-21267-1	480-21267-1	480-21267-1	480-21267-1	480-21267-1	480-21267-1
		Location	DP-222	DP-222	DP-223	DP-223	DP-223	DP-224
	Sai	Sample Date	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012
		Sample ID	MPDP22200412XX	MPDP22200012XX	MPDP22300212XX	MPDP22300012XD	MPDP22300012XX	MPDP22400212XX
		Qc Code	FS	FS	FS	FD	FS	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/kg						
SW8260B	Ethyl benzene	ug/kg		-				
SW8260B	Methyl Tertbutyl Ether	ug/kg						
SW8260B	Toluene	ug/kg						
SW8260B	Xylene, o	ug/kg						
SW8260B	Xylenes (m&p)	ug/kg						
SW8260B	Xylenes, Total	ug/kg						
SW8082	Aroclor-1016	mg/kg	0.29 U	0.26 U	0.24 U	0.19 U	0.19 U	0.25 U
SW8082	Aroclor-1221	mg/kg	0.29 U	0.26 U	0.24 U	0.19 U	0.19 U	0.25 U
SW8082	Aroclor-1232	mg/kg	0.29 U	0.26 U	0.24 U	0.19 U	0.19 U	0.25 U
SW8082	Aroclor-1242	mg/kg	0.29 U	0.26 U	0.24 U	0.19 U	0.19 U	0.25 U
SW8082	Aroclor-1248	mg/kg	0.29 U	0.26 U	0.24 U	0.19 U	0.19 U	0.25 U
SW8082	Aroclor-1254	mg/kg	0.29 U	6.5	0.24 U	7.9	5.6	0.22 J
SW8082	Aroclor-1260	mg/kg	0.29 U	0.26 U	0.24 U	0.19 U	0.19 U	0.25 U
SW8082	PCB (total)	mg/kg	0.29 U	6.5	0.24 U	7.9	5.6	0.22 J
E160.3	Percent Moisture	percent	19	29	16	4.8	5.6	1.9
E160.3	Percent Solids	percent	81	71	84	95	94	98
Notes:								

mg/kg = millgrams per kilogram ug/kg - micorgrams per kilogram

ug/kg - micorgrams per kilogram
Qualifiers:
U = not detected, value is the reporting limit
J = value is estimated

FS = Field Sample

Notes:	E160.3	E160.3	SW8082	SW8082	SW8082	SW8082	SW8082	SW8082	SW8082	SW8082	SW8260B	SW8260B	SW8260B	SW8260B	SW8260B	SW8260B	SW8260B	Analysis					
	Percent Solids	Percent Moisture	PCB (total)	Aroclor-1260	Aroclor-1254	Aroclor-1248	Aroclor-1242	Aroclor-1232	Aroclor-1221	Aroclor-1016	Xylenes, Total	Xylenes (m&p)	Xylene, o	Toluene	Methyl Tertbutyl Ether	Ethyl benzene	Benzene	Parameter			Sa		Sample Delivery Group
	percent	percent	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Units	Qc Code	Sample ID	Sample Date	Location	ery Group
	98	2.2	1.3	0.19 U	1.3	0.19 U								Result Qualifier	FS	MPDP22400012XX	6/12/2012	DP-224	480-21267-1				
	95	5.1	0.92	0.23 U	0.92	0.23 U			1					Result Qualifier	FS	MPDP22500212XX	6/12/2012	DP-225	480-21267-1				
	84	16	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U								Result Qualifier	FS	MPDP22100412XX	6/12/2012	DP-221	480-21267-2
	77	23	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U								Result Qualifier	FS	MPDP22300412XX	6/12/2012	DP-223	480-21267-2
	82	18	0.38	0.24 U	0.38	0.24 U	0.24, U	0.24 U	0.24 U	0.24 U								Result Qualifier	FS	MPDP22500412XX	6/12/2012	DP-225	480-21276-1
	84	16	2.1	0.27 U	2.1	0.27 U								Result Qualifier	FS	MPDP22500012XX	6/12/2012	DP-225	480-21276-1				

ug/kg - micorgrams per kilogram Qualifiers: mg/kg = millgrams per kilogram

U = not detected, value is the reporting limit J = value is estimated

FS = Field Sample

	Sample Delivery Group	an Group	180-21276-1	180-21276-1	180-21276-1	1 37010 001	1 37010 001	190 04076-1
	1	l ocation	DP-226	DP-226	DP-227	DP-227	DP-228	DP-228
	Sai	Sample Date	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012	6/12/2012
		Sample ID	MPDP22600212XX	MPDP22600012XX	MPDP22700212XX	MPDP22700012XX	MPDP22800212XX	MPDP22800012XX
		Qc Code	FS	FS	FS	FS	FS	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/kg						
SW8260B	Ethyl benzene	ug/kg						
SW8260B	Methyl Tertbutyl Ether	ug/kg						
SW8260B	Toluene	ug/kg						
SW8260B	Xylene, o	ug/kg						
SW8260B	Xylenes (m&p)	ug/kg						
SW8260B	Xylenes, Total	ug/kg						
SW8082	Aroclor-1016	mg/kg	0.3 ∪	0.23 U	0.26 U	0.19 U	0.24 U	0.22 U
SW8082	Aroclor-1221	mg/kg	0.3 U	0.23 U	0.26 U	0.19 U	0.24 U	0.22 U
SW8082	Aroclor-1232	mg/kg	0.3 ∪	0.23 U	0.26 U	0.19 U	0.24 U	0.22 U
SW8082	Aroclor-1242	mg/kg	0.3 ∪	0.23 U	0.26 U	0.19 U	0.24 U	0.22 U
SW8082	Aroclor-1248	mg/kg	0.3 ∪	0.23 U	0.26 U	0.19 U	0.24 U	0.22 U
SW8082	Aroclor-1254	mg/kg	0.3 ∪	1.3	0.26 U	1.4	0.24 U	2.8
SW8082	Aroclor-1260	mg/kg	0.3 ∪	0.23 U	0.26 U	0.19 U	0.24 U	0.22 U
SW8082	PCB (total)	mg/kg	0.3 ∪	1.3	0.26 U	1.4	0.24 U	2.8
E160.3	Percent Moisture	percent	25	9.9	26	9.1	19	11
E160.3	Percent Solids	percent	75	90	74	91	81	89
Notes:								

mg/kg = millgrams per kilogram ug/kg - micorgrams per kilogram Qualifiers:

U = not detected, value is the reporting limit J = value is estimated

FS = Field Sample

	Sample Delivery Group	erv Group	480-21276-1	480-21276-1	480-21276-1	480-21276-1	480-21276-1	480-21278-1
		Location	DP-229	DP-229	DP-230		DP-230	DP-231
	Sa	Sample Date	6/12/2012	6/12/2012	6/13/2012		6/13/2012	6/13/2012
		Sample ID	MPDP22900212XX	MPDP22900012XX	MPDP23000212XX	MPDP23000012XD	MPDP23000012XX	MPDP23100212XX
		Qc Code	FS	FS	FS	FD	FS	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/kg						
SW8260B	Ethyl benzene	ug/kg						
SW8260B	Methyl Tertbutyl Ether	ug/kg						
SW8260B	Toluene	ug/kg						
SW8260B	Xylene, o	ug/kg						
SW8260B	Xylenes (m&p)	ug/kg						***********
SW8260B	Xylenes, Total	ug/kg						
SW8082	Aroclor-1016	mg/kg	0.22 U	0.22 U	0.24 U	0.23 U	0.22 U	0.22 U
SW8082	Aroclor-1221	mg/kg	0.22 U	0.22 U	0.24 U	0.23 U	0.22 U	0.22 U
SW8082	Aroclor-1232	mg/kg	0.22 U	0.22 U	0.24 U	0.23 U	0.22 U	0.22 U
SW8082	Aroclor-1242	mg/kg	0.22 U	0.22 U	0.24 U	0.23 U	0.22 U	0.22 U
SW8082	Aroclor-1248	mg/kg	0.22 U	0.22 U	0.24 U	0.23 U	0.22 U	0.22 U
SW8082	Aroclor-1254	mg/kg	0.32	0.85	0.24 U	1.3	1.2	0.58
SW8082	Aroclor-1260	mg/kg	0.22 U	0.22 U	0.24 U	0.23 U	0.22 U	0.22 U
SW8082	PCB (total)	mg/kg	0.32	0.85	0.24 U	1.3	1.2	0.58
E160.3	Percent Moisture	percent	20	ڻ.	17	6.9	5.2	15
E160.3	Percent Solids	percent	80	95	83	93	95	85
Notes:								

mg/kg = millgrams per kilogram | ug/kg - micorgrams per kilogram | Qualifiers:

U = not detected, value is the reporting limit

J = value is estimated

FS = Field Sample
FD = Field Duplicate Sample

480-21278-1 480-21278-1 DP-232 6/13/2012 6/13/2012 MPDP23200012XX MPDP23300212XX FS FS FS Result Qualifier Result Qualifier	SW8082 Arcclor-1250 mg/kg 0.57 0.27 U
	0.21 U 0.26 U 0.26 U 0.21 U 0.26 U 0.
	0.24 U 0.24 U 0.24 U 0.24 U 0.24 U

mg/kg = millgrams per kilogram lug/kg - micorgrams per kilogram

Qualifiers:

U = not detected, value is the reporting limit
J = value is estimated

FS = Field Sample

TABLE 2- RESULTS SUMMARY CHEMISTRY REVIEW REPORT 2012 SOIL SAMPLING EVENT NEW HARTFORD, NEW YORK 3456 ONEIDA STREET

							SW8082 Aroclor-1232	SW8082 Aroclor-1221	SW8082 Aroclor-	SW8260B Xylenes	SW8260B Xylenes (m&p)	SW8260B Xylene,	SW8260B Toluene	SW8260B Methyl 7	SW8260B Ethyl benzene	SW8260B Benzene	Analysis Parameter						
isture														Methyl Tertbutyl Ether				۵	Sai	Samp		Sample Delivery Group	
	percent	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	Units	Qc Code		Sample Date	Location	/ Group	
	5.3	1.4	0.21 U	1.4	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U								Result Qualifier	FS	MPDP23400012XX	6/13/2012	DP-234	480-21278-1	
	6.3	0.47	0.2 U	0.47	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U								Result Qualifier	FS	MPFP01400112XX	6/13/2012	FP-014	480-21278-1	
3	8.4	0.76	0.22 U	0.76	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U								Result Qualifier	FS	MPFP01500112XX	6/13/2012	FP-015	480-21278-1	
	7.9	7.1	0.21 U	7.1	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U								Result Qualifier	FS	MPFP01600112XX	6/13/2012	FP-016	480-21278-1	
)	14	0.13 J	0.28 U	0.13 J	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U								Result Qualifier	FS	MPDP15600012XX	7/25/2012	DP-156	480-23191-1	
84	16	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U								Result Qualifier	FS	MPDP15700012XX	7/25/2012	DP-157	480-23191-1	

mg/kg = millgrams per kilogram ug/kg - micorgrams per kilogram Qualifiers:

U = not detected, value is the reporting limit

J = value is estimated FS = Field Sample

	Sample Delivery Group	ery Group	480-23191-1	480-23191-1	480-23191-1	480-23191-1	480-23191-1	480-23191-1
		Location	DP-173	DP-173	DP-173	DP-174	DP-174	DP-188
	Sa	Sample Date	7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012
		Sample ID	MPDP17300212XX	MPDP17300012XD	MPDP17300012XX	MPDP17400212XX	MPDP17400012XX	MPDP18800212XX
	-	Qc Code	FS	FD	FS	FS	FS	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/kg						
SW8260B	Ethyl benzene	ug/kg						
SW8260B	Methyl Tertbutyl Ether	ug/kg						
SW8260B	Toluene	ug/kg						
SW8260B	Xylene, o	ug/kg						
SW8260B	Xylenes (m&p)	ug/kg						
SW8260B	Xylenes, Total	ug/kg						
SW8082	Aroclor-1016	mg/kg	0.27 U	0.24 U	0.24 U	0.24 U	0.28 U	0.25 U
SW8082	Aroclor-1221	mg/kg	0.27 U	0.24 U	0.24 U	0.24 U	0.28 U	0.25 U
SW8082	Aroclor-1232	mg/kg	0.27 U	0.24 U	0.24 U	0.24 U	0.28 U	0.25 U
SW8082	Aroclor-1242	mg/kg	0.27 U	0.24 U	0.24 U	0.24 U	0.28 U	0.25 U
SW8082	Aroclor-1248	mg/kg	0.27 U	0.24 U	0.24 U	0.24 U	0.28 U	0.25 U
SW8082	Aroclor-1254	mg/kg	0.27 U	0.3	0.41	0.24 U	1.8	0.14 J
SW8082	Aroclor-1260	mg/kg	0.27 U	0.24 U	0.24 U	0.24 U	0.28 U	0.25 U
SW8082	PCB (total)	mg/kg	0.27 U	0.3	0.41	0.24 U	1.8	0.14 J
E160.3	Percent Moisture	percent	15	17	16	ĊΊ	12	6.7
E160.3	Percent Solids	percent	85	83	84	95	88	93
Notes:								

mg/kg = millgrams per kilogram

ug/kg - micorgrams per kilogram

Qualifiers:

U = not detected, value is the reporting limit

J = value is estimated

FS = Field Sample

	Sample Delivery Group	ry Group	480-23191-1	480-23191-1	480-23191-1	480-23191-1	480-23191-1	480-23191-1
		Location	DP-188	DP-189	DP-189	DP-189	DP-199	DP-199
	San	Sample Date	7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012
	S	Sample ID	MPDP18800012XX	MPDP18900212XX	MPDP18900412XX	MPDP18900012XX	MPDP19900212XX	MPDP19900412XX
		Qc Code	FS	FS	FS	FS	FS	FS
Analysis Pa	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B Be	Benzene	ug/kg						
SW8260B Et	Ethyl benzene	ug/kg						
SW8260B Me	Methyl Tertbutyl Ether	ug/kg						
SW8260B To	Toluene	ug/kg				-		
SW8260B Xy	Xylene, o	ug/kg						
SW8260B Xy	Xylenes (m&p)	ug/kg						
SW8260B Xy	Xylenes, Total	ug/kg						
SW8082 An	Aroclor-1016	mg/kg	0.28 U	0.2 U	0.22 U	0.23 U	0.22 U	0.24 U
SW8082 Ar	Aroclor-1221	mg/kg	0.28 U	0.2 U	0.22 U	0.23 U	0.22 U	0.24 U
SW8082 Ar	Aroclor-1232	mg/kg	0.28 U	0.2 U	0.22 U	0.23 U	0.22 U	0.24 U
SW8082 Ar	Aroclor-1242	mg/kg	0.28 U	0.2 U	0.22 U	0.23 U	0.22 U	0.24 U
SW8082 Ar	Aroclor-1248	mg/kg	0.28 U	0.2 U	0.22 U	0.23 U	0.22 U	0.24 U
SW8082 Ar	Aroclor-1254	mg/kg	2.3	0.2 U	0.29	0.38	0.22 U	0.24 U
SW8082 Ar	Aroclor-1260	mg/kg	0.28 U	0.2 U	0.22 U	0.23 U	0.22 U	0.24 U
SW8082 PC	PCB (total)	mg/kg	2.3	0.2 U	0.29	0.38	0.22 U	0.24 U
E160.3 Pe	Percent Moisture	percent	15	9.5	17	10	6.5	18
E160.3 Pe	Percent Solids	percent	85	90	83	90	93	82
Notes:								

Notes: mg/kg = millgrams per kilogram ug/kg - micorgrams per kilogram Qualifiers:

U = not detected, value is the reporting limit J = value is estimated

FS = Field Sample

	Sample Delivery Group	ry Group	480-23191-1	480-23191-1	480-23191-1	480-23191-1	480-23191-1	480-23191-1
		Location	DP-199	DP-199	DP-199	DP-200	DP-200	DP-200
	San	Sample Date	7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012
	(A)	Sample ID	MPDP19900612XX	MPDP19900812XX	MPDP19900012XX	MPDP20000212XX	MPDP20000012XD	MPDP20000012XX
		Qc Code	FS	FS	FS	FS	FD	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/kg						
SW8260B	Ethyl benzene	ug/kg						
SW8260B	Methyl Tertbutyl Ether	ug/kg						
SW8260B	Toluene	ug/kg						
SW8260B	Xylene, o	ug/kg				-		
SW8260B	Xylenes (m&p)	ug/kg						
SW8260B	Xylenes, Total	ug/kg						
SW8082	Aroclor-1016	mg/kg	0.24 U	0.19 U	0.26 U	0.25 U	0.32 U	0.24 U
SW8082	Aroclor-1221	mg/kg	0.24 U	0.19 U	0.26 U	0.25 U	0.32 U	0.24 U
SW8082	Aroclor-1232	mg/kg	0.24 U	0.19 U	0.26 U	0.25 U	0.32 U	0.24 U
SW8082	Aroclor-1242	mg/kg	0.24 U	0.19 U	0.26 U	0.25 U	0.32 U	0.24 U
SW8082	Aroclor-1248	mg/kg	0.24 U	0.19 U	0.26 U	0.25 U	0.32 U	0.24 U
SW8082	Aroclor-1254	mg/kg	0.24 U	0.19 U	3.2	0.25 U	0.33	0.17 J
SW8082	Aroclor-1260	mg/kg	0.24 U	0.19 U	0.26 U	0.25 U	0.32 ∪	0.24 U
SW8082	PCB (total)	mg/kg	0.24 U	0.19 U	3.2	0.25 U	0.33	0.17 J
E160.3	Percent Moisture	percent	13	7.3	17	16	27	18
E160.3	Percent Solids	percent	87	93	83	84	73	82
Notes:								
mg/kg = millg	mg/kg = millgrams per kilogram							
3								

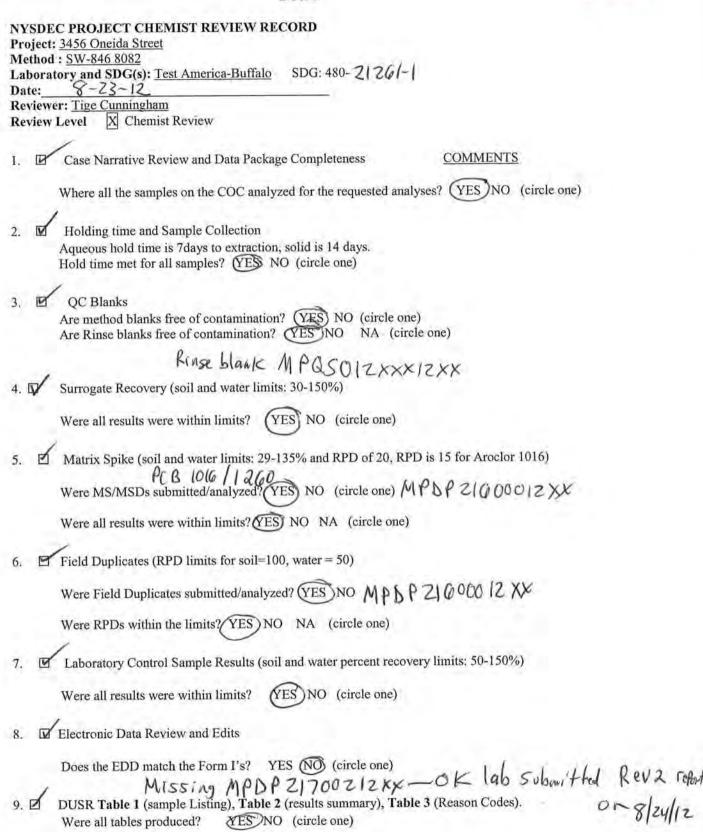
	Sample Del	Sample Delivery Group	480-21261-1	480-21261-1	480-21278-1	480-23191-1	480-23191-1
		Location	ည္က	<u></u>	۾ م	ရု	8
	"	Sample Date	6/12/2012	6/12/2012	6/13/2012	7/25/2012	7/25/2012
		Sample ID	Trip Blank	MPQS012XXX12XX	MPQS013XXX12XX	MPQS014XXX12XX	MPQS015XXX12XX
		Qc Code	В	EB	₩	EB	₩
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
SW8260B	Benzene	ug/l	1 U	1 U	1 U		
SW8260B	Ethyl benzene	ug/l	1 U	1 U	1 U		
SW8260B	Toluene	l/gu	1 _	1 U	1 U		•
SW8260B	Xylene, o	l/gu	1 U	1 _	1 _		
SW8260B	Xylenes (m&p)	l lg/l	2 U	2 U	2 U		
SW8260B	Xylenes, Total	l lg/l	2 U	2 U	2 U		
SW8082	Aroclor-1016	ug/l		0.51 U	0.47 U	0.48 U	0.49 U
SW8082	Aroclor-1221	l l/gu		0.51 U	0.47 U	0.48 U	0.49 U
SW8082	Aroclor-1232	ug/I		0.51 U	0.47 U	0.48 U	0.49 U
SW8082	Aroclor-1242	ug/l		0.51 U	0.47 U	0.48 U	0.49 U
SW8082	Aroclor-1248	ug/l		0.51 U	0.47 U	0.48 U	0.49 U
SW8082	Aroclor-1254	ug/l		0.51 U	0.47 U	0.48 U	0.49 U
SW8082	Aroclor-1260	ug/l		0.51 U	0.47 U	0.48 U	0.49 U
Notes:							

lug/l - micorgrams per liter
TB = Trip Blanks EB = Rinse Blank

Qualifiers:

U = not detected, value is the reporting limit

PCBs



vocs BTEX only

Pr	ROJECT CHEMIST REVIEW RECORD oject: 3456 On eida Street
La Da Re	boratory and SDG(s): TAL-By Halo SDG# 480-21261-1 te: 8/23/12 viewer: Tige County he
Re	view Level X Chemist Review
1.	Were problems noted? None Where all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
2	Holding time and Sample Collection
	All samples were analyzed within the 14 day holding time. YES NO (circle one)
2	OC Blanks
5.	Are method blanks free of contamination? YES NO (circle one) Are Trip blanks free of contamination? YES NO (circle one) Are Rinse blanks free of contamination? YES NO NA (circle one)
	Rinse blank: MPQS 012xxxx 12xx
4.	Surrogate Recovery - Region II limits (water 80-120%, soil 70-130%)
	Were all results were within Region II limits? YES NO (circle one)
5.	Matrix Spike - Region II limits (water and soil 70-130%, water RPD 20, soil RPD 35)
	Were MS/MSDs submitted/analyzed? YES NO MIDF21600017 XX
	Were all results were within the Region II limits? YES (NO) NA (circle one)
	MTBE out 1@ 181% in MS, Benzene 135% and MTBE @ 191% in MSD
6.	Duplicates/replicates - Region II Limits (water RPD 50, soil RPD 100) No hits No Quals
	Were Field Duplicates submitted/analyzed? (YES) NO MPDP21600012 XX
	Were all results were within Region II Limits? YES NO NA (circle one)
7.	Laboratory Control Sample Results - Region II (Water and soil 70-130%)
	Were all results were within Region II control limits? YES NO (circle one)
8.	Electronic Data Review and Edits
	Does the EDD match the Form I's? YES NO (circle one)
9.	TIC Review and DUSR Table 1 (sample Listing), Table 2 (results summary), Table 3 (Reason Codes), Table 4 (TIC's). Did lab report TICs? YES NO (circle one)
	And the state of t

QC Sample Results

Client: New York State D.E.C.

Project/Site: Oneida St New Hartford # 633049

TestAmerica Job ID: 480-21261-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-21261-14 MSD

Matrix: Solid

Analysis Batch: 69561

Client Sample ID: MPDP21600012XX

Prep Type: Total/NA

Prep Batch: 69263

4-1-4	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	ND		27.4	37.1	F	ug/Kg	3	135	79 - 127	5	30
Toluene	ND		27.4	29.6		ug/Kg	4	108	74 - 128	9	30
Ethylbenzene	ND		27.4	26.0		ug/Kg	0	95	80 - 120	12	30
m-Xylene & p-Xylene	ND		54.8	50.5		ug/Kg	0	92	70 - 130	12	30
o-Xylene	ND		27.4	26.8		ug/Kg	*	98	70 - 130	5	30
Methyl tert-butyl ether	ND		27.4	52.3	F	ug/Kg	4	191	63 - 125	4	30

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		64 - 126
Toluene-d8 (Surr)	83		71 - 125
4-Bromofluorobenzene (Surr)	86		72 - 126

Lab Sample ID: MB 480-69561/6

Matrix: Solid

Analysis Batch: 69561

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.25	ug/Kg			06/21/12 22:37	1
Toluene	ND		5.0	0.38	ug/Kg			06/21/12 22:37	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			06/21/12 22:37	1
m-Xylene & p-Xylene	ND		10	0.84	ug/Kg			06/21/12 22:37	1
o-Xylene	ND		5.0	0.65	ug/Kg			06/21/12 22:37	1
Xylenes, Total	ND		10	0.84	ug/Kg			06/21/12 22:37	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			06/21/12 22:37	1

Surrogate	%Recovery	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83	64 - 126		06/21/12 22:37	1
Toluene-d8 (Surr)	89	71 - 125		06/21/12 22:37	1
4-Bromofluorobenzene (Surr)	88	72 - 126		06/21/12 22:37	1

Lab Sample ID: LCS 480-69561/5

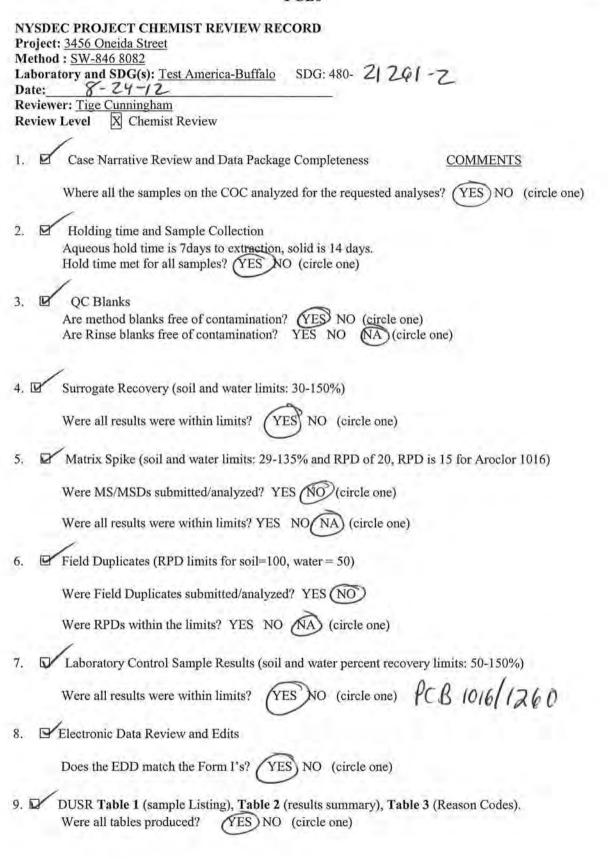
Matrix: Solid

Analysis Batch: 69561

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Spike	LCS	LCS				%Rec.
Added	Result	Qualifier	Unit	D	%Rec	Limits
50,0	48.7	-	ug/Kg	_	97	79 - 127
50.0	46.4		ug/Kg		93	74 - 128
50.0	47.4		ug/Kg		95	80 - 120
100	94.5		ug/Kg		95	70 - 130
50.0	48.7		ug/Kg		97	70 - 130
50.0	54.4		ug/Kg		109	63 - 125
	50.0 50.0 50.0 100 50.0	Added Result 50.0 48.7 50.0 46.4 50.0 47.4 100 94.5 50.0 48.7	Added Result Qualifier 50.0 48.7 50.0 46.4 50.0 47.4 100 94.5 50.0 48.7	Added Result Qualifier Unit 50.0 48.7 ug/Kg 50.0 46.4 ug/Kg 50.0 47.4 ug/Kg 100 94.5 ug/Kg 50.0 48.7 ug/Kg	Added Result Qualifier Unit D 50.0 48.7 ug/Kg 50.0 46.4 ug/Kg 50.0 47.4 ug/Kg 100 94.5 ug/Kg 50.0 48.7 ug/Kg	Added Result 50.0 Qualifier 48.7 Unit ug/Kg D %Rec 50.0 48.7 ug/Kg 97 50.0 46.4 ug/Kg 93 50.0 47.4 ug/Kg 95 100 94.5 ug/Kg 95 50.0 48.7 ug/Kg 97

		200	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		64 - 126
Toluene-d8 (Surr)	90		71 - 125
4-Bromofluorobenzene (Surr)	91		72 - 126



		C PROJECT CHEMIST REVIEW RECORD : 3456 Oneida Street
M	ethod	1: SW-846 8082
La	bora ite:	tory and SDG(s): Test America-Buffalo SDG: 480- Z Z 67-1
	_	er: Tige Cunningham
		Level X Chemist Review
1.		Case Narrative Review and Data Package Completeness <u>COMMENTS</u>
		Where all the samples on the COC analyzed for the requested analyses? YES NO (circle one)
2.		Holding time and Sample Collection
		Aqueous hold time is 7days to extraction, solid is 14 days. Hold time met for all samples? YES NO (circle one)
6	1	
3.	V	QC Blanks
		Are method blanks free of contamination? YES NO (circle one) Are Rinse blanks free of contamination? YES NO (NA) (circle one)
7	1	Surrogate Recovery (soil and water limits: 30-150%)
4.	LED	Surrogate Recovery (son and water limits, 30-13076)
		Were all results were within limits? YES NO (circle one)
5.	d	Matrix Spike (soil and water limits: 29-135% and RPD of 20, RPD is 15 for Aroclor 1016)
		Were MS/MSDs submitted/analyzed YES NO (circle one) MPDP 22306012 XX
		Were all results were within limits? YES (NO) NA (circle one)
6.	V	Field Duplicates (RPD limits for soil=100, water = 50) Aroclor 5 1260 out 1 182%/198% no diffections in unspiked sample of Field Duplicates (RPD limits for soil=100, water = 50) Aroclor 1260, no Quals.
		Were Field Duplicates submitted/analyzed? (YES) NO
		Were RPDs within the limits? YES NO NA (circle one)
7.		Laboratory Control Sample Results (soil and water percent recovery limits: 50-150%)
		Were all results were within limits? (SES) NO (circle one) PCB 1240/1016 With limits
8.	2	Electronic Data Review and Edits
	- 7	Does the EDD match the Form I's? YES NO (circle one)
9.	Ø	DUSR Table 1 (sample Listing), Table 2 (results summary), Table 3 (Reason Codes). Were all tables produced? YES NO (circle one)

TestAmerica Job ID: 480-21267-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-68611/1-A

Matrix: Solid

Analysis Batch: 68874

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 68611

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.18	0.036	mg/Kg		06/15/12 09:29	06/18/12 11:04	1
PCB-1221	ND		0.18	0.036	mg/Kg		06/15/12 09:29	06/18/12 11:04	4
PCB-1232	ND		0.18	0.036	mg/Kg		06/15/12 09:29	06/18/12 11:04	1
PCB-1242	ND		0.18	0.036	mg/Kg		06/15/12 09:29	06/18/12 11:04	1
PCB-1248	ND		0.18	0.036	mg/Kg		06/15/12 09:29	06/18/12 11:04	1
PCB-1254	ND		0.18	0.086	mg/Kg		06/15/12 09:29	06/18/12 11:04	1
PCB-1260	ND		0.18	0.086	mg/Kg		06/15/12 09:29	06/18/12 11:04	1
Polychlorinated biphenyls, Total	ND		0.18	0.086	mg/Kg		06/15/12 09:29	06/18/12 11:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		36 - 182	06/15/12 09:29	06/18/12 11:04	1
Tetrachloro-m-xylene	131		24 - 172	06/15/12 09:29	06/18/12 11:04	1

Lab Sample ID: LCS 480-68611/2-A

Matrix: Solid

Analysis Batch: 68874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 68611

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
PCB-1016	1.87	2.34		mg/Kg		125	51 - 185	
PCB-1260	1.87	2.17		mg/Kg		116	61 - 184	L

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	115		36 - 182
Tetrachloro-m-xylene	147		24 - 172

Lab Sample ID: 480-21267-9 MS

Matrix: Solid

Analysis Batch: 68874

	200		
Client	Sample	ID: M	IPDP22300012XX
CHEIL	Januare	ID. IV	II DI ZZJUUU IZAA

Client Sample ID: MPDP22300012XX

Prep Type: Total/NA

Prep Batch: 68611

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.10	2.87		mg/Kg	12	137	42 - 159
PCB-1260	ND		2.10	3.82	F	mg/Kg	h	(182)	47 - 153
	MS	MS						1	

Surrogate %Recovery Qualifier Limits 126 36 - 182 DCB Decachlorobiphenyl Tetrachloro-m-xylene 152 24 - 172

Lab Sample ID: 480-21267-9 MSD

Matrix: Soli

Analyte PCB-1016 PCB-1260

Analysis Ba

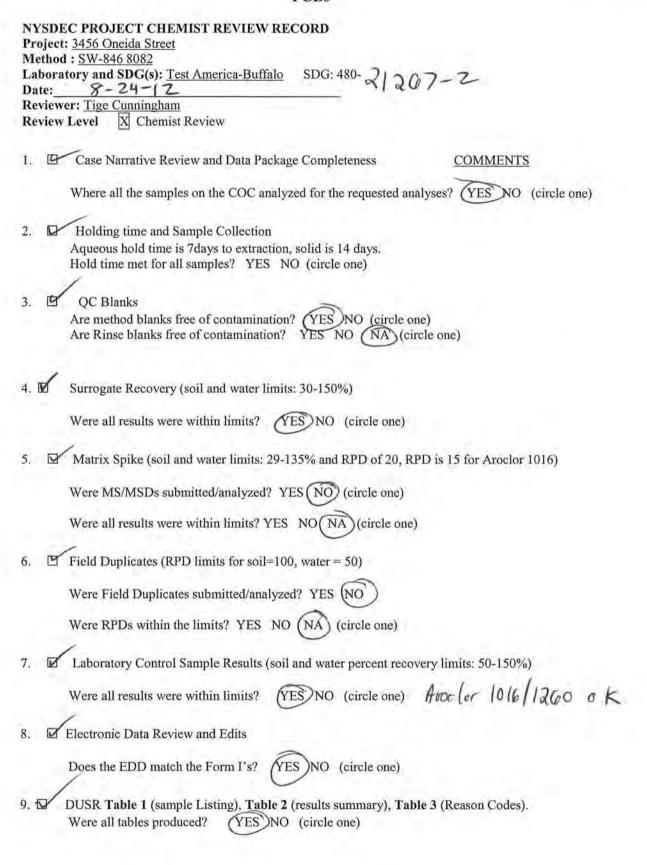
lid Batch: 68874										ype: Tot Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	ND		1,95	2.68		mg/Kg	章	138	42 - 159	7	50
	ND		1.95	3.86	F	mg/Kg	32	198	47 - 153	1	50

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	124		36 - 182
Tetrachloro-m-xvlene	150		24 - 172

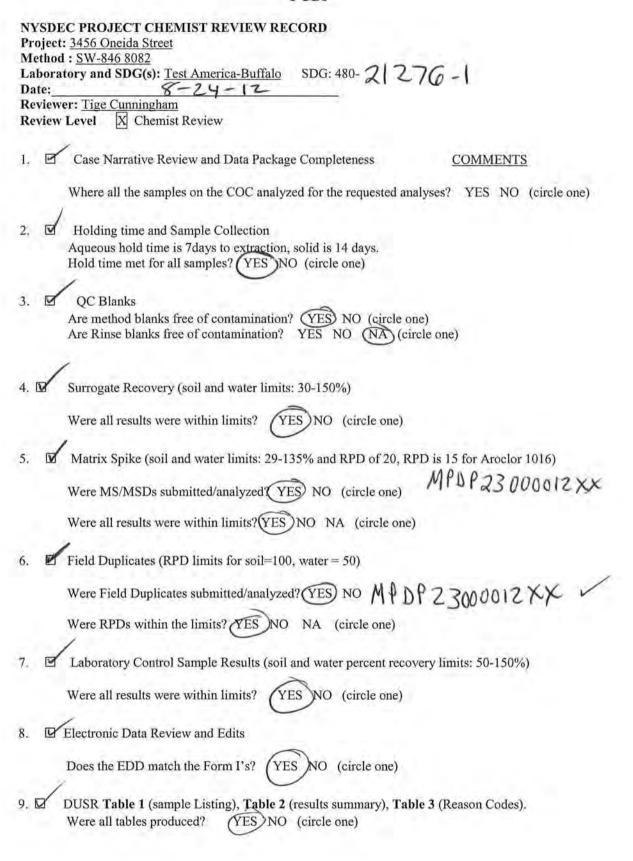
TestAmerica Buffalo 6/27/2012

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PCBs



PCBs



PCBs and VOC's

NYSDEC PROJECT CHEMIST REVIEW RECORD Project: 3456 Oneida Street Method: SW-846 8082 SDG: 480- 21278-1 Laboratory and SDG(s): Test America-Buffalo 8-24-12 Reviewer: Tige Cunningham X Chemist Review Review Level Case Narrative Review and Data Package Completeness COMMENTS Where all the samples on the COC analyzed for the requested analyses? (YES) NO (circle one) Holding time and Sample Collection Aqueous hold time is 7days to extraction, solid is 14 days. Hold time met for all samples? (YES) NO (circle one) OC Blanks Are method blanks free of contamination? (YES) NO (circle one) Are Rinse blanks free of contamination? (YES) NO NA (circle one) Surrogate Recovery (soil and water limits: 30-150%) Were all results were within limits? YES (NO) (circle one) MTDP23300 2124X TCXC 152% No detections NO Quals Matrix Spike (soil and water limits: 29-135% and RPD of 20, RPD is 15 for Aroclor 1016) Were MS/MSDs submitted/analyzed? YES (NO) (circle one) Were all results were within limits? YES NO (NA) (circle one) Field Duplicates (RPD limits for soil=100, water = 50) Were Field Duplicates submitted/analyzed? YES (NO) Were RPDs within the limits? YES NO (NA) (circle one) Laboratory Control Sample Results (soil and water percent recovery limits: 50-150%) Were all results were within limits? NO (circle one)

8. Electronic Data Review and Edits

Does the EDD match the Form I's? (YES) NO (circle one)

DUSR Table 1 (sample Listing), Table 2 (results summary), Table 3 (Reason Codes). (YES NO (circle one) Were all tables produced?

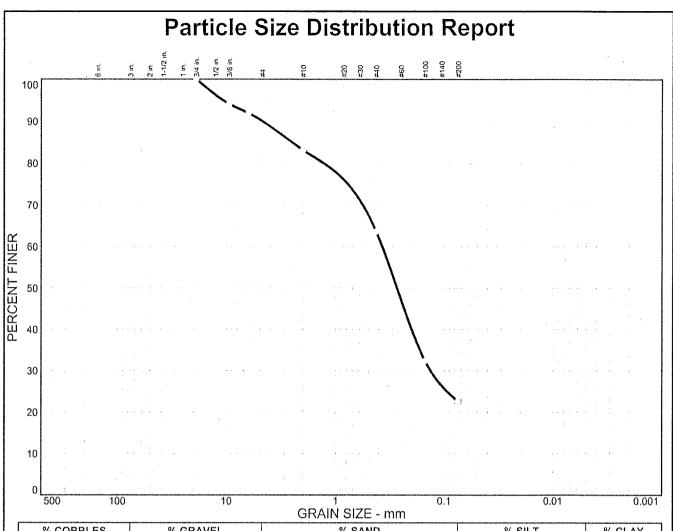
NYSDEC PROJECT CHEMIST REVIEW RECORD Project: 3456 Oneida Street Method: SW-846 8082 SDG: 480- 23 91-1 Laboratory and SDG(s): Test America-Buffalo 8-24-12 Reviewer: Tige Cunningham Review Level X Chemist Review 1. Case Narrative Review and Data Package Completeness COMMENTS Where all the samples on the COC analyzed for the requested analyses? NO (circle one) 2. Holding time and Sample Collection Aqueous hold time is 7days to extraction, solid is 14 days. Hold time met for all samples? (YES) NO (circle one) 3. OC Blanks Are method blanks free of contamination? YES NO (circle one) Are Rinse blanks free of contamination? YES NO NA (circle one) Surrogate Recovery (soil and water limits: 30-150%) YES NO (circle one) Were all results were within limits? Matrix Spike (soil and water limits: 29-135% and RPD of 20, RPD is 15 for Aroclor 1016) MADP 200000 12XX Were MS/MSDs submitted/analyzed? (YES) NO (circle one) Were all results were within limits (YES) NO NA (circle one) MPDP17400212 XX Field Duplicates (RPD limits for soil=100, water = 50) MP DT 200000 12 XX Were Field Duplicates submitted/analyzed? (YES) NO MPDP 17300012 XX Were RPDs within the limits? YES)NO NA (circle one) Laboratory Control Sample Results (soil and water percent recovery limits: 50-150%) Were all results were within limits? NO (circle one) 8. D Electronic Data Review and Edits Does the EDD match the Form I's? NO (circle one) DUSR Table 1 (sample Listing), Table 2 (results summary), Table 3 (Reason Codes). Were all tables produced? YES) NO (circle one)

NYSDEC-Site No. 633049

MACTEC Engineering and Consulting, P.C., Project 3612122232

ATTACHMENT 3

PARTICLE SIZE DISTRIBUTION REPORTS



_	% COBBLES	% GRAVEL	%-SAND	% SILT	% CLAY
	0.0	10.0	67.4	22.6	770

SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
0.75 in. 0.375 in. 0.25 in. #10 #40 #100 #200	100.0 94.1 91.9 83.1 63.6 32.4 22.6	FERCENT	(X-NO)

Silty sand	Soil Description	
PL=	Atterberg Limits LL=	PI=
D ₈₅ = 2.55 D ₃₀ = 0.133 C _u =	$\begin{array}{c} \underline{\text{Coefficients}} \\ D_{60} = 0.374 \\ D_{15} = \\ C_{\text{C}} = \end{array}$	D ₅₀ = 0.272 D ₁₀ =
USCS= SM	Classification AASHT) =
	Remarks	

(no specification provided)

Sample No.: 358 Location: GT-002 Source of Sample:

Date: 6-25-12 Elev./Depth: 4'-6'

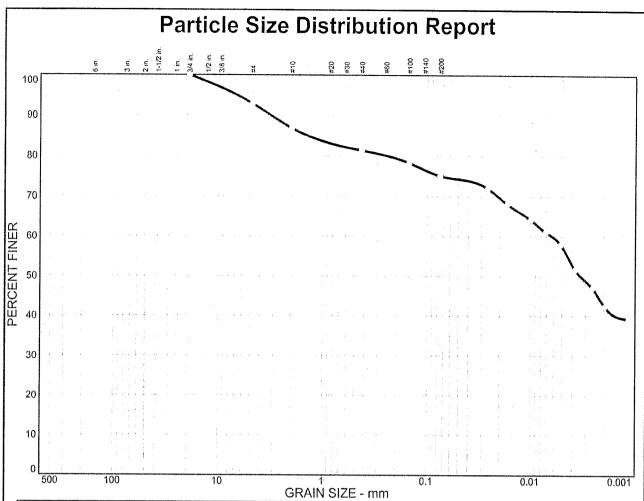
SJB SERVICES, INC. Client: AMEC

Project: Oneida Remedial Design Site

Project No: CT-12-103

Plate :

358



	· · · · · · · · · · · · · · · · · · ·				
	% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
=	0.0				
	0.0	1.2	17.7	17.6	57.5

	SIEVE	PERCENT	SPEC.*	PASS?
	SIZE	FINER	PERCENT	(X=NO)
	0.75 in.	100.0		
ı	#4 #10	92.8 86.8		
	#40	81.4		
	#100 #200	78.3 75.1		
	11200	73.1		
1				
1				
- 1				

Silt with sand	Soil Description	
PL=	Atterberg Limits LL=	Pl=
D ₈₅ = 1.42 D ₃₀ = C _u =	$\begin{array}{c} \underline{\text{Coefficients}} \\ \text{D}_{60} = 0.0062 \\ \text{D}_{15} = \\ \text{C}_{\text{C}} = \end{array}$	D ₅₀ = 0.0033 D ₁₀ =
USCS= ML	Classification AASHT	.O= .
	<u>Remarks</u>	

(no specification provided)

Sample No.: 360

Source of Sample:

Date: 6-25-12

Location: GT-002

Elev./Depth: 10.0'-12.0'

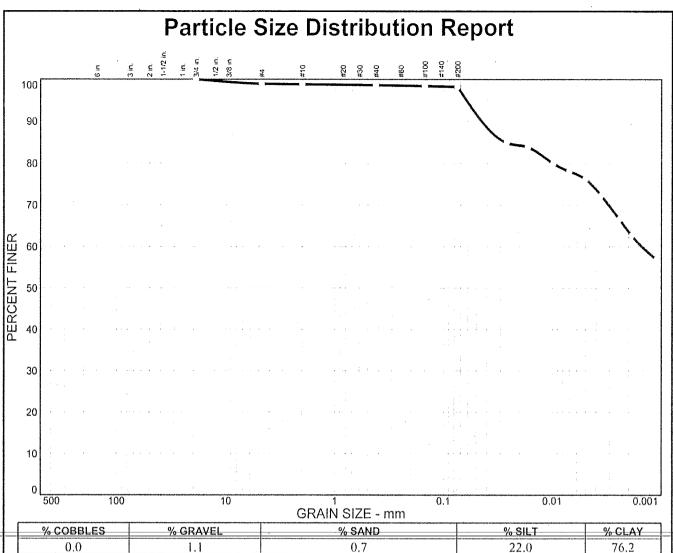
SJB SERVICES, INC. Client: AMEC

Project: Oneida Remedial Design Site

Project No: CT-12-103

Plate

360



L			
<u></u>			
SIEVE	PERCENT	SPEC.*	PASS?
SIZE	FINER	PERCENT	(X=NO)
0.75 in. #4	100.0 98.9		
#10	98.8		
#40	98.6		
#100 #200	98.4 98.2		

0.7	22.	0	76.2
Silt	Soil Descriptio	<u>n</u>	
PL=	Atterberg Limit	s Pl=	
D ₈₅ = 0.0275 D ₃₀ = C _u =	$\begin{array}{c} \underline{\text{Coefficients}} \\ \text{D}_{60} = 0.0015 \\ \text{D}_{15} = \\ \text{C}_{\text{C}} = \end{array}$	D ₅₀ = D ₁₀ =	:
USCS= ML	<u>Classification</u> AASH	TO=	
	Remarks		

(no specification provided)

Sample No.: 359 Location: GT-004 Source of Sample:

Date: 6-25-12 Elev./Depth: 9.5'-10.0'

SJB SERVICES, INC. Client: AMEC

Project: Oneida Remedial Design Site

Project No: CT-12-103

Plate

359