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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

October 29, 2014

Robert Corcoran, P.E.
New York State Department of Environmental Conservation
Div. of Environmental Remediation
625 Broadway, 12th floor
Albany, NY 12233-7015

RE: Site No. 152004, Fairchild Old Sump Site, Broad Hollow Road, East Farmingdale, NY – June-July 2014 Remedial Investigation Summary Report

Dear Mr. Corcoran:

This letter summarizes the recent remedial investigation activities conducted by Environmental Assessment & Remediations (EAR) at the above referenced site. The investigation activities were conducted in May through July 2014 in response to directives provided in the New York State Department of Environmental Conservation (NYSDEC) Standby Contractor Authorization Form dated 5/15/2014 (Callout ID: 122618). A site location map is provided as Figure 1.

EAR staff met a representative from NYSDEC onsite on May 29, 2014, to review site conditions and assess proposed boring locations. All boring/well installation locations were predetermined by NYSDEC. EAR staff returned to the site on June 13 to meet with a NYSDEC representative and identify and mark the proposed boring/well installation locations.

Monitoring Well Installation

On June 16-18, EAR installed 4 groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4) at locations pre-selected by NYSDEC. The monitoring well locations are illustrated in Figure 2.

Prior to installation of the wells, continuous soil sampling was conducted from grade to 32 to 52 feet below grade surface (BGS) in an effort to identify the sediment layer delineating the base of the former discharge basin/sump.

The monitoring wells were installed using direct-push drilling technology. The well risers were constructed of 0.75-inch diameter schedule 40 PVC. The screens consist of 10-feet of pre-packed screens (geoprobe part#17466). Each screen section is compromised of two 5-foot sections of 0.75-inch (ID) schedule 40 PVC 0.01-inch slot screen. Screen sections are pre-packed

with 20/40 mesh silica pack. Stainless steel wire mesh with a pore size of 0.011-inch makes up the 1.4-inch diameter outer component of the pre-pack. A 5-foot bentonite seal was installed at each well. Total well depths and screened interval depths were determined by NYSDEC based on field observations. At the direction of the NYSDEC, no manholes or protective casings were installed. Risers were allowed to extend to approximately 3 feet above grade and were capped with locking well caps and padlocks. Drilling logs detailing lithology and well construction are provided as Appendix A. Field notes are provided as Appendix B.

Monitoring wells were surveyed by an EAR survey team July 31 – August 6, in order to provide northing and easting coordinates (Long Island State Plane NAD 83) and riser elevation data to the nearest 0.01 foot above mean sea level. Well coordinates and riser elevation data are provided in Table 1.

On August 5, risers at MW-2 and MW-4 were found removed and/or destroyed, likely the result of vandalism. Riser elevation for MW-4 was calculated using a measurement from grade to the top of the riser collected on July 28.

Monitoring Well Development

On July 10-11, EAR was onsite to develop the monitoring wells. As directed by NYSDEC, well MW-1A (installed by a previous contractor) was developed in addition to MW-1, MW-2, MW-3, and MW-4.

The wells were developed via pumping using an inertial pump. A water quality meter (YSI 556) and turbidity meter (Hach 2100Q) were used to monitor water quality parameters. Pumping at each well continued until pH, temperature, and conductivity stabilized and turbidity values were below 5 NTU's. At wells MW-1A, MW-2, and MW-4 target turbidity levels of 5 NTU's or less were not achieved even after pumping over 10 well volumes from each well. As all monitored water quality parameters (including turbidity) were stable, development activities at these wells were stopped as directed by NYSDEC.

Water quality and turbidity readings recorded during the well development activities are provided as Table 2. Field notes are provided as Appendix B.

PCB Area Soil Sampling

Soil sampling in the polychlorinated biphenyl (PCB) area was conducted June 19-25 and June 27-July 9, using direct push drilling techniques at 43 locations pre-selected by NYSDEC.

Samples were collected in discrete, 4-foot intervals using a sampling tube lined with a clear, disposable, PVC liner. The macro-core sampling tube, equipped with an expendable piston tip was used to execute the Geoprobe® Standard Stop-Pin System. The closed sample tube lined with a clear, disposable PVC liner was driven to the top of the desired sample depth and pulled

back 6-inches to release the expendable piston. The open sample tube was then advanced to another 4 feet BGS to collect the desired sample.

As directed by the NYSDEC, sample collection at these locations began at 4-feet below grade and continued to 32-feet below grade. Each sample was logged for lithology and screened for total volatile organic compounds (VOC's) using a Photo-Ionization Detector (PID) by an onsite geologist, and stored in labeled, sealed, plastic bags. Prior to use, the PID was calibrated using a 100 ppm isobutylene standard and ambient air.

Samples to be retained for lab analysis were collected from 4 to 20 feet BGS and from 28 to 32 feet BGS as directed by NYSDEC. Samples retained for lab analysis were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 213 soil samples were submitted to an NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of PCB's via EPA Method 8082A. Four randomly selected sample intervals (P-06 (28-32), P-08 (28-32), P-27 (28-32), and P-33 (28-32)) were also submitted for analysis of VOC's, semivolatile organic compounds (SVOC's), metals, and pesticides/herbicides. Samples collected for PCB analysis were submitted for an expedited, three-day turnaround time such that determinations could be made as to the exclusion or addition of nearby proposed sampling locations. Samples collected for analysis of VOC's, SVOC's, metals, and pesticides/herbicides were submitted for a standard, 10-day turnaround time. Category B deliverables were requested for all samples.

Analytical results for soil samples collected in the PCB area are compared to the 6 NYCRR 375-6[1] soil cleanup objective values in Tables 3-7. Lab analytical reports are provided as Appendix C. Field notes are provided as Appendix B.

Beneficial Use Determination (BUD) Pile

Soil sampling in the BUD pile was conducted on June 26, 2014 using direct push drilling techniques, at three locations pre-selected by NYSDEC.

Samples were collected in discrete, 4-foot intervals using a sampling tube lined with a clear, disposable, PVC liner. The macro-core sampling tube, equipped with an expendable piston tip was used to execute the Geoprobe® Standard Stop-Pin System. The closed sample tube lined with a clear, disposable PVC liner was driven to the top of the desired sample depth and pulled back 6-inches to release the expendable piston. The open sample tube was then advanced to another 4 feet below grade surface (BGS) to collect the desired sample.

Sampling began at BUD-01, where soil samples were collected continuously from approximately 4 feet BGS to approximately 22 feet BGS in an effort to identify the base of the pile and establish proposed sample collection intervals for the remaining BUD boring locations. Lithology observations are provided in the BUD-01 drilling log located in Appendix A.

[1] Title 6 New York Codes, Rules, and Regulations (NYCRR), Subpart 375-6.8 (2006)

Samples at locations BUD-02 & BUD-03 were collected from 14-18 feet BGS and 18-22 feet BGS (estimated vertical center and base of the pile, respectively) as directed by NYSDEC. Each sample was logged for lithology and screened for total VOC's using a Photo-Ionization Detector (PID) by an onsite geologist, and stored in labeled, sealed, plastic bags. Prior to use, the PID was calibrated using a 100 ppm isobutylene standard and ambient air.

Samples selected for lab analysis were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 6 soil samples were submitted to an NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of VOC's, SVOC's, PCB's, Metals, and Pesticides. All samples were submitted for standard 10-day turn around with Category B deliverables requested.

Analytical results for soil samples collected from the BUD pile are compared to the 6 NYCRR 375-6 soil cleanup objective values in Tables 8-12. Lab analytical reports are provided as Appendix C. Field notes are provided as Appendix B.

Chromium Deposition Area

Soil sampling in the Chromium Deposition area was conducted on June 18 and July 15 at 12 locations (CR-1 through CR-12) pre-selected by NYSDEC.

Soil sampling at CR-11 was conducted on June 18 in conjunction with the installation of MW-4. At this location, soil samples were collected using direct-push drilling technology as discussed above. Samples were collected in 4-foot intervals from grade to 32 feet BGS. Lithology observations are provided in the MW-4 drilling log located in Appendix A.

At each of the remaining Chromium Deposition area locations, two soil samples were collected as directed by NYSDEC: 1 sample from grade surface, and one sample from the shallow subsurface (0-1 foot BGS). Samples were collected using a stainless-steel hand auger. Sampling equipment was decontaminated between sample locations following EAR's standard operating protocol.

Each sample was logged for lithology and screened for total VOC's using a Photo-Ionization Detector (PID) by an onsite geologist. Prior to use, the PID was calibrated using a 100 ppm isobutylene standard and ambient air.

Samples collected for lab analysis were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 25 soil samples were submitted to an NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of Metals via EPA Methods 6010C and 7471B. Three randomly selected sample intervals (CR-05 (0-1), CR-10 (0-1), and CR-11 (24-29)) were also submitted for analysis of VOC's, SVOC's, PCB's, and pesticides/herbicides. All samples were submitted for standard 10-day turn around with Category B deliverables requested.

Analytical results for soil samples collected in the Chromium Deposition area are compared to the 6 NYCRR 375-6 soil cleanup objective values in Tables 13-17. Lab analytical reports are provided as Appendix C. Field notes are provided as Appendix B.

General Site Evaluation Soil Sampling

Soil sampling in the General Site Evaluation area was conducted on June 16-17 and July 16-17 at 18 locations (G-1 through G-18) pre-selected by NYSDEC.

Soil sampling at G-12 and G-17 was conducted on June 16-17 in conjunction with the installation of MW-1 & MW-2. At these locations, soil samples were collected using direct-push drilling technology. Samples were collected in 4-foot intervals from grade to 32 feet BGS at G-12, and from grade to 52 feet BGS at G-17. Lithology observations are provided in the MW-1 & MW-2 drilling logs located in Appendix A.

At each of the remaining General Site Evaluation area locations, two soil samples were collected: 1 sample from grade surface, and one sample from the shallow subsurface (0-1 foot BGS). Samples were collected using a stainless-steel hand auger. Sampling equipment was decontaminated between sample locations following EAR's standard operating protocol.

Each sample was logged for lithology and screened for total VOC's using a Photo-Ionization Detector (PID) by an onsite geologist. Prior to use, the PID was calibrated using a 100 ppm isobutylene standard and ambient air.

Samples collected for lab analysis were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 38 soil samples were submitted to a NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of VOC's, SVOC's, PCB's, metals, and pesticides/herbicides. All samples were submitted for standard 10-day turn around with Category B deliverables requested.

Analytical results for soil samples collected in the General Site Evaluation area are compared to the 6 NYCRR 375-6 soil cleanup objective values in Tables 18-22. Lab analytical reports are provided as Appendix C. Field notes are provided as Appendix B.

Groundwater Sampling

On July 28, 2014, EAR collected groundwater samples from 6[2] monitoring wells (MW-1, MW-1A, MW-2, MW-3, MW-4, BAW-06C). The monitoring well locations are illustrated in Figure 2.

[2] MW-1A and BAW-06C were pre-existing wells installed by a prior contractor and sampled as requested by the NYSDEC.

Groundwater samples were collected utilizing a peristaltic pump and HDPE tubing. A new length of HDPE tubing was utilized at each well. Prior to sample collection, depth-to-water and total well depths were gauged and recorded. A water quality meter (YSI 556) and turbidity meter (Hach 2100Q) were used to monitor water quality parameters. Each monitoring well was purged of at least one standing well volume then screened for pH, temperature, conductivity, and turbidity until stabilization was reached. Dissolved oxygen concentrations, and oxidation reduction potential (ORP) were recorded as well.

Samples collected for lab analysis were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 6 water samples were submitted to an NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of VOC's, SVOC's, PCB's, Metals, and Pesticides. All samples were submitted for standard 10-day turn around with Category B deliverables requested.

Analytical results are summarized in Tables 23-27, and are compared to the TOGS 1.1.1 Class GA water quality standards and guidance values[3]. Field screening results are provided in Table 28. Lab analytical reports are provided as Appendix C. Field notes are provided as Appendix B.

Groundwater Flow Direction

Regional USGS water table altitude maps[4] suggest an approximate regional groundwater flow bearing of south-southeast.

Water level readings were collected from available wells on July 10, 28, and 31. The water levels were gauged using an electronic interface tape, with water levels recorded from the top of the riser/casing. The water level readings and corresponding calculated groundwater elevations are provided in Table 1.

For each data set, a local groundwater flow direction and hydraulic gradient was calculated by fitting a plane to the groundwater elevations using the least-squares method. This evaluation yielded estimated flow bearings ranging from 125.4 degrees from north(southeast) to 214.9 degrees from north (southwest) with gradients ranging from 0.00871 ft/ft to 0.01971 ft/ft. Based on this data, it appears that local flow is variable, possibly the result of local water withdrawals/injections and/or heterogeneity of subsurface soils.

Quality Assurance/Quality Control

[3] NYSDEC Division of Water Technical & Operational Guidance Series 1.1.1 – Ambient Water Quality Standards and Guidance Values, Class GA (groundwater)

[4] Potentiometric-Surface Altitude in the Upper Glacial Aquifers beneath Long Island, New York, March-April 2006: U.S. Geological Survey, Scientific Investigations Map 3066

All NYSDEC ASP Category B deliverables are under review for completeness and compliance. Data usability summary reports (DUSR) will be generated and submitted to NYSDEC under separate cover. Lab reports are included as Appendix B. A total of 9 field blanks/trip blanks were collected during the course of the soil and groundwater sampling activities detailed above. Analytical results are summarized in a quality assurance/quality control (QA/QC) sample table provided as Appendix D.

Analytical Summary/Comparison to Soil Cleanup Objectives

PCB Area Soil Sampling (43 total locations)

- Total PCB concentrations exceeded unrestricted use soil cleanup objectives (SCO's) at 25 locations at depth intervals ranging from 4-8 feet BGS to 28-32 feet BGS.
- Total PCB concentrations exceeded commercial use SCO's at 4 locations (P-71, P-72, P-81, P-92) at depth intervals ranging from 12-16 feet BGS to 28-32 feet BGS.
- Unrestricted use SCO's were exceeded for chromium at 2 locations (P-06, P-08) at depth intervals of 28-32 feet BGS.
- Reported concentrations for analyzed VOC's, SVOC's, and pesticides did not exceed either the unrestricted or commercial use SCO's.

BUD Pile Soil Sampling (3 total locations)

- Unrestricted use SCO's were exceeded for 4 SVOC analytes: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, and chrysene. Exceedances were limited to the 14-18 foot intervals at BUD-01 & BUD-02.
- Commercial SCO's were exceeded for 2 SVOC analytes: benzo(a)pyrene and dibenzo(a,h)anthracene. Exceedances were limited to the 14-18 foot intervals at BUD-01 & BUD-02.
- Unrestricted use SCO's were exceeded for chromium, lead, and zinc at BUD-01(14-18).
- Reported concentrations for analyzed VOCs, PCB's, and pesticides did not exceed either the unrestricted or commercial use SCO's.

Chromium Deposition Area Soil Sampling (12 total locations)

- Unrestricted use SCO's for metals were exceeded for cadmium (Cr-11(24-29)), lead (Cr-6(surface) and Cr-2(surface)), mercury (Cr-11(24-29)), and silver (Cr-11(24-29)). Unrestricted use SCO's were exceeded for chromium at Cr-2(surf), Cr-6(surf), Cr-7(0-1), and Cr-11(surf) & Cr-11(24-29).
- Unrestricted use SCO's for acetone were exceeded at 1 location: Cr-11(24-29).
- Reported concentrations for analyzed SVOCs, PCB's, and pesticides did not exceed either the unrestricted or commercial use SCO's.

General Site Evaluation Soil Sampling (18 total locations)

- Unrestricted use SCO's for total PCB's were exceeded at 3 locations: G-9(surface), G-12(28-32), and G-17(8-12).
- Unrestricted use SCO's for acetone were exceeded at 1 location: G-12(28-32).

- Unrestricted use SCO's were exceeded for several SVOC's: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoanthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The exceedances occurred in surface and shallow-subsurface soils at up to 10 locations.
- Commercial use SCO's were exceeded for 4 SVOC's: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene. The exceedances occurred in surface and shallow subsurface soils at up to 9 locations.
- Unrestricted use SCO's were exceeded at multiple surface and shallow subsurface locations for copper, chromium, lead, mercury, silver, and zinc.
- Reported concentrations for pesticides did not exceed either the unrestricted or commercial use SCO's.

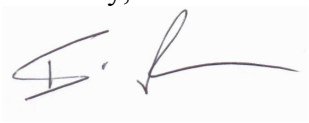
Groundwater Sampling (6 wells total)

- TOGS 1.1.1 groundwater standards were exceeded for tetrachloroethene at MW-3.
- TOGS 1.1.1 groundwater standards were exceeded for iron, manganese, and sodium at multiple wells.
- Reported concentrations for SVOC's, PCB's, or pesticides did not exceed TOGS standard/guidance values.

A site map with posted locations and analytical results for all commercial use SCO exceedances is provided as Figure 3.

Should you have any questions regarding the activities or data detailed in this report, please feel free to contact me at 631.241.8741.

Sincerely,



Ian Hofmann
Project Manager

Cc:
J. Lawrence (EAR)

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Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
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Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Well Coordinates & Groundwater Elevations

Well	Easting, Northing	Riser Elevation (ft AMSL)	7/10/2014		7/11/2014		7/28/2014		7/31/2014	
			DTW[1]	GWEL[2]	DTW	GWEL	DTW	GWEL	DTW	GWEL
MW-1	1143552.1 207188.2	66.94	16.13	50.81	-	-	16.53	50.41	16.94	50.00
MW-1A	1143534.1 207194.4	64.29	13.12	51.17	-	-	16.64	47.65	14.11	50.18
MW-2	1143785.1 207534.9	71.19	20.16	51.03	-	-	18.23	52.96	20.56	50.63
MW-3	1143698.8 207727.7	67.21	-	-	16.42	50.79	17.04	50.17	-	-
MW-4[3]	1143382.8 207700.5	67.55	-	-	16.18	51.37	16.87	50.68	-	-
BAW-06C (30)	1143623.3 208207.1	74.41	-	-	-	-	16.71	57.7	-	-
Flow Bearing (degrees from North):			125.4		-		214.9		132.3	
Gradient (ft/ft):			0.01971		-		0.00871		0.01030	

All readings taken from the top of riser
Easting and Northing coordinates are Long Island State Plane NAD 83 (ft)
[1] - depth to water (ft)
[2] - groundwater elevation (ft AMSL)
[3] - MW-4 was found destroyed prior to surveying activities. Riser elevation was calculated using a measurement of grade to top of riser collected 7/28/14.

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2014 Remedial Investigation - Well Development
EAR Field Screening

Location	Screen Depth (ft BGS)	Date Collected	Depth to Water (ft)	Cumulative Total Purged (gallons)	Dissolved Oxygen *mg/L*	pH -	Temperature *°C*	ORP (Oxidation Reduction Potential) *mV*	Conductivity *us/cm*	Turbidity *NTU*
MW-1	40-50	7/10/2014	16.13	3.5	3.47	5.57	15.34	164.8	0.275	9.03
			-	7.0	3.24	5.94	15.36	144.5	0.274	3.49
			-	10.5	3.19	5.86	15.34	151.2	0.274	3.14
MW-1A	-	7/10/2014	13.12	4	0.90	6.65	16.03	-36.6	0.340	33.00
			-	11.5	0.93	6.62	15.97	-43.8	0.337	14.80
			-	18	0.93	6.66	15.99	-47.0	0.335	13.60
			-	25	0.88	6.65	15.92	-46.7	0.334	9.62
			-	32	0.85	6.62	16.03	-44.4	0.334	8.04
			-	38	0.88	6.65	15.95	-45.3	0.333	5.91
			-	45	0.87	6.65	16.07	-46.1	0.334	7.85
			-	52	0.86	6.62	16.01	-43.2	0.332	5.74
			-	58	0.00	6.66	16.18	-45.1	0.333	6.21
MW-2	19-29	7/10/2014	20.16	1	1.03	6.73	15.02	-49.8	0.792	>range
			-	4	1.01	6.57	14.93	-41.2	0.790	784.00
		7/11/2014	20.22	2	2.38	6.44	14.28	-29.0	0.784	1,246.00
			-	7	1.94	6.56	14.12	-33.7	0.781	43.00
			-	13	2.22	6.60	14.08	-35.3	0.775	50.00
			-	18	2.41	6.60	14.19	-39.2	0.772	44.10
			-	22	2.56	6.72	14.79	-40.1	0.773	27.90
			-	27	2.41	6.67	14.62	-36.9	0.772	25.30
			-	32	2.12	6.64	14.39	-37.3	0.768	29.70
			-	39	2.19	6.66	14.40	-40.1	0.770	37.90
MW-3	20-30	7/11/2014	16.42	4	1.75	6.53	13.85	48.5	0.324	42.20
			-	12	1.30	6.48	14.07	54.5	0.323	14.00
			-	16	1.38	6.57	14.13	47.8	0.333	4.35
MW-4	22-32	7/11/2014	16.18	3	1.80	6.70	16.30	2.7	0.309	1,244.00
			-	8	2.05	6.55	15.87	23.5	0.303	78.00
			-	13	2.01	6.36	15.53	37.0	0.300	77.60
			-	19	2.01	6.51	15.44	27.2	0.298	57.90
			-	23	2.01	6.43	15.52	34.9	0.297	42.00
			-	25	2.03	6.32	15.66	56.7	0.296	38.00

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Location	Depth (ft BGS)	Date Collected	Time Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Polychlorinated biphenyls (total)
P-06	4-8	6/27/2014	1:12 PM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	6/27/2014	1:19 PM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	12-16	6/27/2014	1:26 PM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	16-20	6/27/2014	1:32 PM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	28-32	6/27/2014	2:08 PM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
P-07	4-8	6/24/2014	11:43 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/25/2014	7:16 AM	<74	<74	<74	<74	230	<74	98	<74	<74	320
	12-16	6/25/2014	7:25 AM	<74	<74	<74	<74	<74	<74	130	<74	<74	130
	16-20	6/25/2014	7:38 AM	<77	<77	<77	<77	<77	<77	75 J	<77	<77	75 J
	28-32	6/25/2014	8:20 AM	<74	<74	<74	<74	340	<74	420	<74	<74	730
P-08	4-8	6/24/2014	9:21 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/24/2014	9:25 AM	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110
	12-16	6/24/2014	9:32 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	16-20	6/24/2014	9:39 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	28-32	6/24/2014	10:13 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
P-11	4-8	6/23/2014	9:45 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	6/23/2014	9:51 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	12-16	6/23/2014	9:55 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	16-20	6/23/2014	10:02 AM	<80	<80	<80	<80	660	<80	<80	<80	<80	660
	28-32	6/23/2014	10:34 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
P-12	4-8	6/27/2014	9:45 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/27/2014	9:56 AM	<72	<72	<72	<72	<72	<72	38 J	<72	<72	38 J
	12-16	6/27/2014	10:00 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	16-20	6/27/2014	10:06 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
	28-32	6/27/2014	10:32 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
P-13	4-8	6/27/2014	10:52 AM	<79	<79	<79	<79	250	<79	280	<79	<79	520
	8-12	6/27/2014	10:56 AM	<82	<82	<82	<82	84	<82	<82	<82	<82	84
	12-16	6/27/2014	11:02 AM	<94	<94	<94	<94	150	<94	<94	<94	<94	150
	28-32	6/27/2014	11:38 AM	<75	<75	<75	<75	180	<75	<75	<75	<75	180
P-14	4-8	6/25/2014	10:16 AM	<71	<71	<71	<71	<71	<71	230	<71	<71	230
	8-12	6/25/2014	10:22 AM	<72	<72	<72	<72	<72	<72	160	<72	<72	160
	12-16	6/25/2014	10:30 AM	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77
	16-20	6/25/2014	10:38 AM	<81	<81	<81	<81	360	<81	<81	<81	<81	360
	28-32	6/25/2014	11:12 AM	<83	<83	<83	<83	330	<83	<83	<83	<83	330
P-15	4-8	6/30/2014	11:56 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	6/30/2014	12:01 PM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	12-16	6/30/2014	12:07 PM	<72	<72	<72	<72	<72	<72	82	<72	<72	82
	16-20	6/30/2014	12:16 PM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	28-32	6/30/2014	12:55 PM	<85	<85	<85	<85	490	<85	<85	<85	<85	490
P-16	4-8	6/30/2014	10:29 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/30/2014	10:35 AM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	12-16	6/30/2014	10:41 AM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	16-20	6/30/2014	10:48 AM	<85	<85	<85	<85	<85	<85	<85	<85	<85	<85
	28-32	6/30/2014	11:17 AM	<82	<82	<82	<82	<82	<82	<82	<82	<82	<82
P-17	4-8	6/25/2014	12:04 PM	<69	<69	<69	<69	<69	<69	300	<69	<69	300
	8-12	6/25/2014	12:07 PM	<69	<69	<69	<69	<69	<69	130	<69	<69	130
	12-16	6/25/2014	12:12 PM	<69	<69	<69	<69	<69	<69	430	<69	<69	430
	16-20	6/25/2014	12:19 PM	<72	<72	<72	<72	<72	<72	81	<72	<72	81
	28-32	6/25/2014	12:46 PM	<75	<75	<75	<75	480	<75	<75	<75	<75	480
P-18	4-8	6/30/2014	7:33 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	6/30/2014	7:37 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	12-16	6/30/2014	7:43 AM	<73	<73	<73	<73	<73	<73	46 J	<73	<73	46 J
	16-20	6/30/2014	7:50 AM	<110	<110	<110	<110	940	<110	<110	<110	<110	940
	28-32	6/30/2014	8:20 AM	<79	<79	<79	<79	<79	<79	<79	<79	<79	<79
P-19	4-8	6/30/2014	8:56 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/30/2014	9:01 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	12-16	6/30/2014	9:07 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	16-20	6/30/2014	9:14 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	28-32	6/30/2014	9:48 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
P-20	4-8	6/27/2014	8:39 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	8-12	6/27/2014	8:43 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	12-16	6/27/2014	8:49 AM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	16-20	6/27/2014	8:55 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	28-32	6/27/2014	9:25 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
P-21	4-8	6/23/2014	7:57 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/23/2014	8:03 AM	<75	<75	<75	<75	210	<75	<75	<75	<75	210
	12-16	6/23/2014	8:10 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	16-20	6/23/2014	8:17 AM	<73	<73	<73	<73	85	<73	<73	<73	<73	85
	28-32	6/23/2014	8:50 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
P-23	4-8	6/20/2014	9:50 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
	8-12	6/20/2014	9:54 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	12-16	6/20/2014	10:00 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	16-20	6/20/2014	10:09 AM	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
	28-32	6/20/2014	10:38 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
P-24	4-8	6/23/2014	11:26 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	6/23/2014	11:30 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
	12-16	6/23/2014	11:40 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	16-20	6/24/2014	8:05 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	28-32	6/24/2014	8:44 AM	<82	<82	<82	<82	<82	<82	<82	<82	<82	<82

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Location	Depth (ft BGS)	Date Collected	Time Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Polychlorinated biphenyls (total)
P-27	4-8	6/20/2014	7:50 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/20/2014	7:55 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	12-16	6/20/2014	8:01 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
	16-20	6/20/2014	8:09 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	28-32	6/20/2014	10:38 AM	<79	<79	<79	<79	<79	<79	<79	<79	<79	<79
P-28	4-8	6/19/2014	11:21 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	8-12	6/19/2014	11:28 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	12-16	6/19/2014	11:35 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	16-20	6/19/2014	11:45 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	28-32	6/19/2014	12:15 PM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
P-29	4-8	6/19/2014	9:33 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	6/19/2014	9:40 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	12-16	6/19/2014	9:49 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	16-20	6/19/2014	9:52 AM	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77
	28-32	6/19/2014	10:33 AM	<79	<79	<79	<79	<79	<79	<79	<79	<79	<79
P-30	4-8	6/26/2014	12:59 PM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	6/26/2014	1:04 PM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	12-16	6/26/2014	1:09 PM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	16-20	6/26/2014	1:15 PM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	28-32	6/26/2014	1:45 PM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
P-31	4-8	6/19/2014	7:39 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	8-12	6/19/2014	7:45 AM	<74	<74	<74	<74	87	<74	<74	<74	<74	87
	12-16	6/19/2014	7:51 AM	<71	<71	<71	<71	76	<71	<71	<71	<71	76
	28-32	6/19/2014	8:39 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
P-32	4-8	6/26/2014	11:26 AM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	8-12	6/26/2014	11:30 AM	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
	12-16	6/26/2014	11:37 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	16-20	6/26/2014	11:44 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
	28-32	6/26/2014	12:14 PM	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
P-33	4-8	6/25/2014	1:13 PM	<72	<72	<72	<72	<72	<72	65 J	<72	<72	65 J
	8-12	6/25/2014	1:16 PM	<71	<71	<71	<71	<71	<71	130	<71	<71	130
	12-16	6/25/2014	1:21 PM	<78	<78	<78	<78	100	<78	<78	<78	<78	100
	16-20	6/25/2014	1:30 PM	<74	<74	<74	<74	<74	<74	130	<74	<74	130
	28-32	6/25/2014	2:10 PM	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
P-50	4-8	7/1/2014	8:34 AM	<82	<82	<82	<82	330	<82	<82	<82	<82	330
	8-12	7/1/2014	8:39 AM	<88	<88	<88	<88	550	<88	<88	<88	<88	550
	12-16	7/1/2014	8:43 AM	<75	<75	<75	<75	280	<75	<75	<75	<75	280
	16-20	7/1/2014	8:52 AM	<73	<73	<73	<73	64 J	<73	<73	<73	<73	64 J
	28-32	7/1/2014	9:22 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
P-51	4-8	7/1/2014	10:00 AM	<70	<70	<70	<70	<70	<70	47 J	<70	<70	47 J
	8-12	7/1/2014	10:07 AM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	12-16	7/1/2014	10:12 AM	<72	<72	<72	<72	<72	<72	54 J	<72	<72	54 J
	16-20	7/1/2014	10:21 AM	<71	<71	<71	<71	<71	<71	45 J	<71	<71	45 J
	28-32	7/1/2014	10:51 AM	<80	<80	<80	<80	210	<80	<80	<80	<80	210
P-52	4-8	7/1/2014	11:26 AM	<73	<73	<73	<73	<73	<73	75	<73	<73	75
	8-12	7/1/2014	11:29 AM	<71	<71	<71	<71	<71	<71	53 J	<71	<71	53 J
	12-16	7/1/2014	11:35 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	16-20	7/1/2014	11:41 AM	<79	<79	<79	<79	520	<79	<79	<79	<79	520
	28-32	7/1/2014	12:07 PM	<73	<73	<73	<73	82	<73	<73	<73	<73	82
P-54	4-8	7/1/2014	11:39 AM	<71	<71	<71	<71	<71	<71	66 J	<71	<71	66 J
	8-12	7/1/2014	1:45 PM	<72	<72	<72	<72	<72	<72	55 J	<72	<72	55 J
	12-16	7/1/2014	1:51 PM	<71	<71	<71	<71	<71	<71	49 J	<71	<71	49 J
	16-20	7/1/2014	1:57 PM	<73	<73	<73	<73	<73	<73	48 J	<73	<73	48 J
	28-32	7/1/2014	2:26 PM	<73	<73	<73	<73	270	<73	<73	<73	<73	270
P-60	4-8	7/3/2014	7:25 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	8-12	7/3/2014	7:29 AM	<73	<73	<73	<73	<73	91	<73	<73	<73	91
	12-16	7/3/2014	7:35 AM	<91	<91	<91	<91	<91	<91	<91	<91	<91	<91
	16-20	7/3/2014	7:42 AM	<77	<77	<77	<77	160	<77	<77	<77	<77	160
	28-32	7/3/2014	8:08 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
P-61	4-8	7/3/2014	8:44 AM	<71	<71	<71	<71	<71	<71	69 J	<71	<71	69 J
	8-12	7/3/2014	8:52 AM	<73	<73	<73	<73	<73	<73	49 J	<73	<73	49 J
	12-16	7/3/2014	8:59 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
	16-20	7/3/2014	9:07 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	28-32	7/3/2014	9:49 AM	<75	<75	<75	<75	100	<75	<75	<75	<75	100
P-62	4-8	7/3/2014	10:32 AM	<71	<71	<71	<71	<71	<71	59 J	<71	<71	59 J
	8-12	7/3/2014	10:36 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	12-16	7/3/2014	10:40 AM	<73	<73	<73	<73	<73	<73	93	<73	<73	93
	16-20	7/3/2014	10:45 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	28-32	7/3/2014	11:12 AM	<86	<86	<86	<86	<86	<86	<86	<86	<86	<86
P-70	4-8	7/3/2014	11:52 AM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	8-12	7/3/2014	11:56 AM	<69	<69	<69	<69	<69	<69	<69	<69	<69	<69
	12-16	7/3/2014	11:59 AM	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
	16-20	7/3/2014	12:04 PM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	28-32	7/3/2014	12:28 PM	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77
P-71	4-8	7/7/2014	7:27 AM	<77	<77	<77	<77	<77	<77	200	<77	<77	200
	8-12	7/7/2014	7:31 AM	<74	<74	<74	<74	<74	<74	960	<74	<74	960
	12-16	7/7/2014	7:36 AM	<75	<75	<75	<75	<75	<75	1,000	<75	<75	1,000
	16-20	7/7/2014	7:40 AM	<150	<150	<150	<150	1,400	<150	<150	<150	<150	1,400
	28-32	7/7/2014	8:11 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75

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2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Location	Depth (ft BGS)	Date Collected	Time Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Polychlorinated biphenyls (total)
P-72	4-8	7/7/2014	8:46 AM	<77	<77	<77	<77	<77	<77	120	<77	<77	120
	8-12	7/7/2014	8:49 AM	<73	<73	<73	<73	<73	<73	310	<73	<73	310
	12-16	7/7/2014	8:53 AM	<80	<80	<80	<80	<80	<80	210	<80	<80	210
	16-20	7/7/2014	8:59 AM	<81	<81	<81	<81	<81	<81	230	<81	<81	230
	28-32	7/7/2014	9:30 AM	<88	<88	<88	<88	1,300	<88	<88	<88	<88	1,300
P-73	4-8	7/7/2014	10:05 AM	<73	<73	<73	<73	<73	<73	950	<73	<73	950
	8-12	7/7/2014	10:09 AM	<75	<75	<75	<75	<75	<75	360	<75	<75	360
	12-16	7/7/2014	10:14 AM	<78	<78	<78	<78	560	<78	<78	<78	<78	560
	16-20	7/7/2014	10:20 AM	<78	<78	<78	<78	<78	<78	190	<78	<78	190
	28-32	7/7/2014	10:51 AM	<97	<97	<97	<97	880	<97	<97	<97	<97	880
P-74	4-8	7/7/2014	11:34 AM	<70	<70	<70	<70	<70	<70	150	<70	<70	150
	8-12	7/7/2014	11:38 AM	<75	<75	<75	<75	130	<75	130	<75	<75	260
	12-16	7/7/2014	11:44 AM	<70	<70	<70	<70	<70	<70	87	<70	<70	87
	16-20	7/7/2014	11:50 AM	<73	<73	<73	<73	340	<73	<73	<73	<73	340
	28-32	7/7/2014	12:20 PM	<100	<100	<100	<100	400	<100	<100	<100	<100	400
P-75	4-8	7/7/2014	12:55 PM	<73	<73	<73	<73	<73	<73	66 J	<73	<73	66 J
	8-12	7/7/2014	1:01 PM	<74	<74	<74	<74	<74	<74	41 J	<74	<74	41 J
	12-16	7/7/2014	1:06 PM	<73	<73	<73	<73	<73	<73	67 J	<73	<73	67 J
	16-20	7/7/2014	1:13 PM	<75	<75	<75	<75	<75	<75	48 J	<75	<75	48 J
	28-32	7/7/2014	1:43 PM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
P-80	4-8	7/8/2014	8:46 AM	<72	<72	<72	<72	<72	<72	950	<72	<72	950
	8-12	7/8/2014	8:50 AM	<70	<70	<70	<70	<70	740	<70	<70	<70	740
	12-16	7/8/2014	8:56 AM	<72	<72	<72	<72	<72	420	<72	<72	<72	420
	16-20	7/8/2014	9:03 AM	<72	<72	<72	<72	<72	230	<72	<72	<72	230
	28-32	7/8/2014	9:35 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
P-81	4-8	7/8/2014	10:13 AM	<68	<68	<68	<68	<68	<68	480	<68	<68	480
	8-12	7/8/2014	10:17 AM	<71	<71	<71	<71	<71	<71	380	<71	<71	380
	12-16	7/8/2014	10:21 AM	<77	<77	<77	<77	<77	<77	1,000	<77	<77	1,000
	16-20	7/8/2014	10:28 AM	<79	<79	<79	<79	850	<79	130	<79	<79	980
	28-32	7/8/2014	10:57 AM	<80	<80	<80	<80	<80	<80	<80	<80	<80	<80
P-82	4-8	7/8/2014	11:49 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	8-12	7/8/2014	11:54 AM	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
	12-16	7/8/2014	12:01 PM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	16-20	7/8/2014	12:07 PM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	28-32	7/8/2014	12:40 PM	<95	<95	<95	<95	570	<95	<95	<95	<95	570
P-90	4-8	7/8/2014	1:13 PM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	8-12	7/8/2014	1:18 PM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	12-16	7/8/2014	1:28 PM	<69	<69	<69	<69	<69	<69	<69	<69	<69	<69
	16-20	7/9/2014	7:27 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	28-32	7/9/2014	8:01 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
P-91	4-8	7/9/2014	8:18 AM	<72	<72	<72	<72	<72	<72	57 J	<72	<72	57 J
	8-12	7/9/2014	8:22 AM	<72	<72	<72	<72	<72	770	<72	<72	<72	770
	12-16	7/9/2014	8:28 AM	<71	<71	<71	<71	<71	<71	<71	<71	<71	<71
	16-20	7/9/2014	8:32 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
	28-32	7/9/2014	9:02 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
P-92	4-8	7/9/2014	9:44 AM	<71	<71	<71	<71	<71	<71	100	<71	<71	100
	8-12	7/9/2014	9:49 AM	<74	<74	<74	<74	<74	790	<74	<74	<74	790
	12-16	7/9/2014	9:54 AM	<73	<73	<73	<73	<73	<73	110	<73	<73	110
	16-20	7/9/2014	10:01 AM	<570	<570	<570	<570	5,400	<570	<570	<570	<570	5,400
	28-32	7/9/2014	10:32 AM	<84	<84	<84	<84	<84	<84	<84	<84	<84	<84
P-93	4-8	7/9/2014	11:16 AM	<69	<69	<69	<69	<69	<69	250	<69	<69	250
	8-12	7/9/2014	11:21 AM	<71	<71	<71	<71	<71	88	<71	<71	<71	88
	12-16	7/9/2014	11:26 AM	<72	<72	<72	<72	<72	120	<72	<72	<72	120
	16-20	7/9/2014	11:32 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	28-32	7/9/2014	12:03 PM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
Soil Cleanup Objectives[a]	Commercial			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1,000
	Unrestricted			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	100

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - 6 NYCRR 375-6.8 (a, b)
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO
- value exceeds both 6 NYCRR 375-6.8 (a,b) commercial and unrestricted use SCO's

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Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Location	P-06	P-08	P-27	P-33	Soil Cleanup Objectives[a]	
Depth (ft BGS)	28-32	28-32	28-32	28-32	Commercial	Unrestricted
Date Collected	6/27/2014	6/24/2014	6/20/2014	6/25/2014		
Time Collected	2:08 PM	10:13 AM	10:38 AM	2:10 PM		
1,1 Dichloroethane	<1	<0.97	<1.1	<1.1	240,000	270
1,1 Dichloroethene	<1	<0.97	<1.1	<1.1	500,000	330
1,1,1 Trichloroethane	<1	<0.97	<1.1	<1.1	500,000	680
1,1,2 Trichloroethane	<1	<0.97	<1.1	<1.1	n/a	n/a
1,1,2,2 Tetrachloroethane	<1	<0.97	<1.1	<1.1	n/a	n/a
1,2 Dibromoethane	<1	<0.97	<1.1	<1.1	n/a	n/a
1,2 Dichlorobenzene	<1	<0.97	<1.1	<1.1	500,000	1,100
1,2 Dichloroethane	<1	<0.97	<1.1	<1.1	30,000	20
1,2 Dichloropropane	<1	<0.97	<1.1	<1.1	n/a	n/a
1,2,3 Trichlorobenzene	<1	<0.97	<1.1	<1.1	n/a	n/a
1,2,4 Trichlorobenzene	<1	<0.97	<1.1	<1.1	n/a	n/a
1,3 Dichlorobenzene	<1	<0.97	<1.1	<1.1	280,000	2,400
1,4 Dichlorobenzene	<1	<0.97	<1.1	<1.1	130,000	1,800
1,4-Dioxane	<20	<19	<21	<22	130,000	100
2-Hexanone	<5.1	<4.9	<5.3	<5.4	n/a	n/a
4-Methyl-2-Pentanone	<5.1	<4.9	<5.3	<5.4	n/a	n/a
Acetone	34	41	12	19	500,000	50
Benzene	<1	<0.97	<1.1	<1.1	44,000	60
Bromochloromethane	<1	<0.97	<1.1	<1.1	n/a	n/a
Bromodichloromethane	<1	<0.97	<1.1	<1.1	n/a	n/a
Bromoform	<1	<0.97	<1.1	<1.1	n/a	n/a
Bromomethane	<1	<0.97	<1.1	<1.1	n/a	n/a
c 1,3 Dichloropropene	<1	<0.97	<1.1	<1.1	n/a	n/a
Carbon Disulfide	0.28 J	1.6	0.2 J	0.49 J	n/a	n/a
Carbon Tetrachloride	<1	<0.97	<1.1	<1.1	22,000	760
Chlorobenzene	<1	<0.97	<1.1	<1.1	500,000	1,100
Chloroethane	<1	<0.97	<1.1	<1.1	n/a	n/a
Chloroform	<1	<0.97	<1.1	<1.1	350,000	370
Chloromethane	<1	<0.97	<1.1	<1.1	n/a	n/a
cis-1,2-Dichloroethene	<1	<0.97	<1.1	<1.1	500,000	250
Cyclohexane	<1	<0.97	<1.1	<1.1	n/a	n/a
Cyclohexane, methyl-	<1	0.84 J	<1.1	<1.1	n/a	n/a
Dibromochloromethane	<1	<0.97	<1.1	<1.1	n/a	n/a
Dibromochloropropane	<1	<0.97	<1.1	<1.1	n/a	n/a
Dichlorodifluoromethane	<1	<0.97	<1.1	<1.1	n/a	n/a
Ethylbenzene	<1	<0.97	<1.1	<1.1	390,000	1,000
Freon 113	<1	<0.97	<1.1	<1.1	n/a	n/a
Isopropylbenzene	<1	<0.97	<1.1	<1.1	n/a	n/a
m + p Xylene	<1	<0.97	<1.1	<1.1	n/a	n/a
Methyl acetate	<5.1	<4.9	<5.3	<5.4	n/a	n/a
Methyl Ethyl Ketone	4.1 J	5	<5.3	2.2 J	500,000	120
Methylene Chloride	<1	1.3	0.89 BJ	<1.1	500,000	50
o-Xylene	<1	<0.97	<1.1	<1.1	n/a	n/a
Styrene	<1	<0.97	<1.1	<1.1	n/a	n/a

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Location	P-06	P-08	P-27	P-33	Soil Cleanup Objectives[a]	
Depth (ft BGS)	28-32	28-32	28-32	28-32	Commercial	Unrestricted
Date Collected	6/27/2014	6/24/2014	6/20/2014	6/25/2014		
Time Collected	2:08 PM	10:13 AM	10:38 AM	2:10 PM		
t 1,3 Dichloropropene	<1	<0.97	<1.1	<1.1	n/a	n/a
t butylmethylether	<1	<0.97	<1.1	<1.1	500,000	930
Tetrachloroethene	<1	<0.97	0.71 J	<1.1	150,000	1,300
Toluene	<1	0.22 J	<1.1	0.16 J	500,000	700
trans-1,2-Dichloroethene	<1	<0.97	<1.1	<1.1	500,000	190
Trichloroethylene	0.4 J	<0.97	0.14 J	<1.1	200,000	470
Trichlorofluoromethane	<1	<0.97	<1.1	<1.1	n/a	n/a
Vinyl Chloride	<1	<0.97	<1.1	<1.1	13,000	20
1-Methylcyclodecene (TIC)	n/a	9.4 JN !	n/a	n/a	n/a	n/a
2,6-Dimethyl nonane (TIC)	n/a	11 JN !	n/a	n/a	n/a	n/a
3,6-Dimethyl octane (TIC)	n/a	9.9 JN !	n/a	n/a	n/a	n/a
7-Methyltridecane (TIC)	n/a	6.7 JN !	n/a	n/a	n/a	n/a
Butyl cyclohexane (TIC)	n/a	7.7 JN !	n/a	n/a	n/a	n/a
Cyclohexane, pentyl- (TIC)	n/a	12 JN !	n/a	n/a	n/a	n/a
Decahydro-2-Methyl Naphthalene (TIC)	n/a	9.2 JN !	n/a	n/a	n/a	n/a
trans-Decahydro-naphthalene (TIC)	n/a	8.3 JN !	n/a	n/a	n/a	n/a
Unknown volatile organic with 2nd highest conc. (TIC)	n/a	7.1 J !	n/a	n/a	n/a	n/a
Unknown volatile organic with highest conc. (TIC)	n/a	8.2 J !	n/a	n/a	n/a	n/a
Calculated						
Total VOC's	38.78	139.46	13.94	21.85	n/a	n/a
Total BTEX	<5	0.22	<5.5	0.16	n/a	n/a
Total Xylenes	<2	<1.94	<2.2	<2.2	500,000	260

Notes:
n/a - not applicable / not analyzed
B - Analyte was detected in associated lab blank
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a, b)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Location	P-06	P-08	P-27	P-33	Soil Cleanup Objectives[a]	
Depth (ft BGS)	28-32	28-32	28-32	28-32	Commercial	Unrestricted
Date Collected	6/27/2014	6/24/2014	6/20/2014	6/25/2014		
Time Collected	2:08 PM	10:13 AM	10:38 AM	2:10 PM		
1,1-Biphenyl	<360	<740	<390	<390	n/a	n/a
1,2,4,5-Tetrachlorobenzene	<360	<740	<390	<390	n/a	n/a
2,3,4,6-Tetrachlorophenol	<360	<740	<390	<390	n/a	n/a
2,4,5-Trichlorophenol	<360	<740	<390	<390	n/a	n/a
2,4,6-Trichlorophenol	<360	<740	<390	<390	n/a	n/a
2,4-Dichlorophenol	<360	<740	<390	<390	n/a	n/a
2,4-Dimethylphenol	<360	<740	<390	<390	n/a	n/a
2,4-Dinitrophenol	<720	<1500	<790	<800	n/a	n/a
2,4-Dinitrotoluene	<72	<150	<79	<80	n/a	n/a
2,6-Dinitrotoluene	<72	<150	<79	<80	n/a	n/a
2-Chloronaphthalene	<360	<740	<390	<390	n/a	n/a
2-Chlorophenol	<360	<740	<390	<390	n/a	n/a
2-Methyl-4,6-dinitrophenol	<720	<1500	<790	<800	n/a	n/a
2-Methylnaphthalene	<360	<740	<390	<390	n/a	n/a
2-Nitroaniline	<360	<740	<390	<390	n/a	n/a
2-Nitrophenol	<360	<740	<390	<390	n/a	n/a
3,3-Dichlorobenzidine	<360	<740	<390	<390	n/a	n/a
3-Nitroaniline	<360	<740	<390	<390	n/a	n/a
4-Bromophenyl-phenylether	<360	<740	<390	<390	n/a	n/a
4-Chloro-3-methylphenol	<360	<740	<390	<390	n/a	n/a
4-Chloroaniline	<360	<740	<390	<390	n/a	n/a
4-Chlorophenyl-phenylether	<360	<740	<390	<390	n/a	n/a
4-Nitroaniline	<720	<1500	<790	<800	n/a	n/a
4-Nitrophenol	<360	<740	<390	<390	n/a	n/a
Acenaphthene	<360	<740	<390	<390	**500,000**	**20,000**
Acenaphthylene	<360	<740	<390	<390	**500,000**	**100,000**
Acetophenone	<360	<740	<390	<390	n/a	n/a
Anthracene	**67 J**	<740	<390	<390	**500,000**	**100,000**
Atrazine	<360	<740	<390	<390	n/a	n/a
Benzaldehyde	<360	<740	<390	<390	n/a	n/a
Benzo(a)anthracene	**300**	**110**	<39	<39	**5,600**	**1,000**
Benzo(a)pyrene	**260**	**93**	<39	<39	**1,000**	**1,000**
Benzo(b)fluoranthene	**420**	**150**	<39	<39	**5,600**	**1,000**
Benzo(g,h,i)perylene	**86 J**	**81 J**	<390	<390	**500,000**	**100,000**
Benzo(k)fluoranthene	**160**	<74	<39	<39	**56,000**	**800**
bis(2-Chloroethoxy)methane	<360	<740	<390	<390	n/a	n/a
bis(2-Chloroethyl)ether	<36	<74	<39	<39	n/a	n/a
bis(2-Chloroisopropyl)ether	<360	<740	<390	<390	n/a	n/a
bis(2-Ethylhexyl)phthalate	<360	<740	<390	<390	n/a	n/a
Butylbenzylphthalate	<360	<740	<390	<390	n/a	n/a
Caprolactam	<360	<740	<390	<390	n/a	n/a
Carbazole	<360	<740	<390	<390	n/a	n/a
Chrysene	**330 J**	**170 J**	<390	<390	**56,000**	**1,000**

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Location	P-06	P-08	P-27	P-33	Soil Cleanup Objectives[a]	
Depth (ft BGS)	28-32	28-32	28-32	28-32	Commercial	Unrestricted
Date Collected	6/27/2014	6/24/2014	6/20/2014	6/25/2014		
Time Collected	2:08 PM	10:13 AM	10:38 AM	2:10 PM		
Dibenzo(a,h)anthracene	**43**	**16 J**	<39	<39	**560**	**330**
Dibenzofuran	<360	<740	<390	<390	**350,000**	**7,000**
Diethylphthalate	<360	<740	<390	<390	n/a	n/a
Dimethylphthalate	<360	<740	<390	<390	n/a	n/a
Di-n-butylphthalate	<360	<740	<390	<390	n/a	n/a
Di-n-octylphthalate	<360	<740	<390	<390	n/a	n/a
Fluoranthene	**730**	**220 J**	<390	<390	**500,000**	**100,000**
Fluorene	<360	<740	<390	<390	**500,000**	**30,000**
Hexachlorobenzene	<36	<74	<39	<39	**6,000**	**330**
Hexachlorobutadiene	<72	<150	<79	<80	n/a	n/a
Hexachlorocyclopentadiene	<360	<740	<390	<390	n/a	n/a
Hexachloroethane	<36	<74	<39	<39	n/a	n/a
Indeno(1,2,3-cd)pyrene	**86**	**86**	<39	<39	**5,600**	**500**
Isophorone	<360	<740	<390	<390	n/a	n/a
Naphthalene	<360	<740	<390	<390	**500,000**	**12,000**
Nitrobenzene	<36	<74	<39	<39	n/a	n/a
N-Nitrosodi-N-Propylamine	<36	<74	<39	<39	n/a	n/a
N-Nitrosodiphenylamine	<360	<740	<390	<390	n/a	n/a
o-cresol	<360	<740	<390	<390	**500,000**	**330**
p-cresol	<360	<740	<390	<390	**500,000**	**330**
Pentachlorophenol	<720	<1500	<790	<800	**6,700**	**800**
Phenanthrene	**270 J**	**150 J**	<390	<390	**500,000**	**100,000**
Phenol (total)	<360	<740	<390	<390	**500,000**	**330**
Pyrene	**410**	**250 J**	<390	<390	**500,000**	**100,000**
2,6,10,14-Tetramethyl pentadecane (TIC)	n/a	**1200 JN !**	n/a	n/a	n/a	n/a
2,6,10,14-Tetramethylhexadecane (TIC)	n/a	**820 JN !**	n/a	n/a	n/a	n/a
Calculated Total SVOC's	**3,162**	**3,346**	<22936	<22979	n/a	n/a

Notes:
n/a - not applicable / not analyzed
B - Analyte was detected in associated lab blank
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a, b)

Fairchild Republic Aircraft; Old Sump
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Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (mg/Kg)
TestAmerica, Inc.
Methods: SW6010C, SW7471B

Location	P-06	P-08	P-27	P-33	Soil Cleanup Objectives[a]	
Depth (ft BGS)	28-32	28-32	28-32	28-32	Commercial	Unrestricted
Date Collected	6/27/2014	6/24/2014	6/20/2014	6/25/2014		
Time Collected	2:08 PM	10:13 AM	10:38 AM	2:10 PM		
Aluminum	3,020	709	674	763	n/a	n/a
Antimony	<3.8	<4.5	<3.5	<4.1	n/a	n/a
Arsenic	1.1 J	<3.4	<2.6	<3.1	16	13
Barium	10.9 J	4.3 J	4 J	3.5 J	400	350
Beryllium	<0.38	<0.45	<0.35	<0.41	590	7.2
Cadmium	0.37 J	1.7	<0.7	<0.82	9.3	2.5
Calcium	612 J	135 J	<871	<1020	n/a	n/a
Chromium (total)	62.7	37.3	5.7	5	1,500[b]	30[b]
Cobalt	1.5 J	<11.3	<8.7	<10.2	n/a	n/a
Copper	7.1	2.1 J	<4.4	<5.1	270	50
Iron	5,430	1,310	1,840	1,720	n/a	n/a
Lead	7.7	3.8	0.75 J	<2	1,000	63
Magnesium	502 J	99.8 J	128 J	158 J	n/a	n/a
Manganese	73.1	16.6	9.2	11.9	10,000	1,600
Mercury	0.03	0.03	<0.019	<0.019	2.8	0.18
Nickel	3.1 J	<9	<7	<8.2	310	30
Potassium	173 J	41.7 J	68.9 J	81.4 J	n/a	n/a
Selenium	<3.8	<4.5	<3.5	<4.1	1,500	3.9
Silver	0.57 J	1 J	<1.7	<2	1,500	2
Sodium	<953	<1130	<871	<1020	n/a	n/a
Thallium	<3.8	<4.5	<3.5	<4.1	n/a	n/a
Vanadium	6.7 J	1.7 J	2.2 J	2.1 J	n/a	n/a
Zinc	26.6	18.2	8.1	7.8	10,000	109

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - 6 NYCRR 375-6.8 (a, b)
[b] - SCO's for trivalent chromium are presented
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8081B

Location	P-06	P-08	P-27	P-33	Soil Cleanup Objectives[a]	
Depth (ft BGS)	28-32	28-32	28-32	28-32	Commercial	Unrestricted
Date Collected	6/27/2014	6/24/2014	6/20/2014	6/25/2014		
Time Collected	2:08 PM	10:13 AM	10:38 AM	2:10 PM		
4,4,-DDT	<7.2	<7.5	<7.9	<8	47,000	3.3
4,4-DDD	<7.2	<7.5	<7.9	<8	92,000	3.3
4,4-DDE	<7.2	<7.5	<7.9	<8	62,000	3.3
a BHC	<7.2	<7.5	<7.9	<8	3,400	20
Aldrin	<7.2	<7.5	<7.9	<8	680	5
b BHC	<7.2	<7.5	<7.9	<8	3,000	36
Chlordane	<72	<75	<79	<80	n/a	n/a
delta-BHC	<7.2	<7.5	<7.9	<8	500,000	40
Dieldrin	<7.2	<7.5	<7.9	<8	1,400	5
Endosulfan I	<7.2	<7.5	<7.9	<8	200,000	2,400
Endosulfan II	<7.2	<7.5	<7.9	<8	200,000	2,400
Endosulfan Sulfate	<7.2	<7.5	<7.9	<8	200,000	2,400
Endrin	<7.2	<7.5	<7.9	<8	89,000	14
Endrin Aldehyde	<7.2	<7.5	<7.9	<8	n/a	n/a
Endrin ketone	<7.2	<7.5	<7.9	<8	n/a	n/a
Gamma-BHC(Lindane)	<7.2	<7.5	<7.9	<8	9,200	100
Heptachlor	<7.2	<7.5	<7.9	<8	15,000	42
Heptachlor Epoxide	<7.2	<7.5	<7.9	<8	n/a	n/a
Methoxychlor	<7.2	<7.5	<7.9	<8	n/a	n/a
Toxaphene	<72	<75	<79	<80	n/a	n/a

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a, b)

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Location	BUD-01		BUD-02		BUD-03		Soil Cleanup Objectives[a]	
Depth (ft BGS)	14-18	18-22	14-18	18-22	14-18	22-26	Commercial	Unrestricted
Date Collected	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014		
Time Collected	8:09 AM	8:19 AM	9:13 AM	9:25 AM	9:45 AM	10:22 AM		
Aroclor 1016	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1221	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1232	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1242	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1248	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1254	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1260	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1262	<72	<69	<70	<70	<69	<71	n/a	n/a
Aroclor 1268	<72	<69	<70	<70	<69	<71	n/a	n/a
Polychlorinated biphenyls (total)	<72	<69	<70	<70	<69	<71	**1,000**	**100**

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a, b)

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Location	BUD-01		BUD-02		BUD-03		Soil Cleanup Objectives[a]	
Depth (ft BGS)	14-18	18-22	14-18	18-22	14-18	22-26	Commercial	Unrestricted
Date Collected	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014		
Time Collected	8:09 AM	8:19 AM	9:13 AM	9:25 AM	9:45 AM	10:22 AM		
1,1 Dichloroethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	240,000	270
1,1 Dichloroethene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	500,000	330
1,1,1 Trichloroethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	500,000	680
1,1,2 Trichloroethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
1,1,2,2 Tetrachloroethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
1,2 Dibromoethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
1,2 Dichlorobenzene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	500,000	1,100
1,2 Dichloroethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	30,000	20
1,2 Dichloropropane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
1,2,3 Trichlorobenzene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
1,2,4 Trichlorobenzene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
1,3 Dichlorobenzene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	280,000	2,400
1,4 Dichlorobenzene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	130,000	1,800
1,4-Dioxane	<21	<18	<20	<18	<18	<20	130,000	100
2-Hexanone	<5.3	<4.6	<4.9	<4.5	<4.6	<5	n/a	n/a
4-Methyl-2-Pentanone	<5.3	<4.6	<4.9	<4.5	<4.6	<5	n/a	n/a
Acetone	**48**	**11**	**27**	**35**	**16**	**26**	500,000	50
Benzene	**1.7**	<0.92	<0.98	**1.1**	<0.92	<1	44,000	60
Bromochloromethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Bromodichloromethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Bromoform	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Bromomethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
c 1,3 Dichloropropene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Carbon Disulfide	**5.1**	<0.92	<0.98	**2.9**	**0.5 J**	**0.38 J**	n/a	n/a
Carbon Tetrachloride	<1.1	<0.92	<0.98	<0.89	<0.92	<1	22,000	760
Chlorobenzene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	500,000	1,100
Chloroethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Chloroform	<1.1	<0.92	<0.98	<0.89	<0.92	<1	350,000	370
Chloromethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
cis-1,2-Dichloroethene	**0.26 J**	<0.92	**0.18 J**	<0.89	<0.92	<1	500,000	250
Cyclohexane	**3.5**	<0.92	<0.98	**2**	<0.92	<1	n/a	n/a
Cyclohexane, methyl-	**8.4**	<0.92	**0.2 J**	**3**	**0.32 J**	<1	n/a	n/a
Dibromochloromethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Dibromochloropropane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Dichlorodifluoromethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Ethylbenzene	**3.1**	<0.92	<0.98	**3.6**	**0.87 J**	<1	390,000	1,000
Freon 113	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Isopropylbenzene	**3.8**	<0.92	<0.98	**2.4**	**0.34 J**	<1	n/a	n/a
m + p Xylene	**3.3**	<0.92	<0.98	**8.2**	**2.3**	<1	n/a	n/a
Methyl acetate	<5.3	<4.6	<4.9	<4.5	<4.6	<5	n/a	n/a
Methyl Ethyl Ketone	**8.1**	**0.98 J**	**3.5 J**	**5.5**	**1.8 J**	**3.7 J**	500,000	120
Methylene Chloride	**0.89 BJ**	**1.3**	**1.2**	**1.2**	**1.2**	**1.3**	500,000	50
o-Xylene	**1.3**	<0.92	<0.98	**5.1**	**1.5**	**0.29 J**	n/a	n/a
Styrene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
t 1,3 Dichloropropene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
t butylmethylether	**2.7**	**0.13 J**	**1.1**	**2.3**	**0.27 J**	**1.7**	500,000	930
Tetrachloroethene	<1.1	<0.92	<0.98	<0.89	<0.92	<1	150,000	1,300
Toluene	**0.77 J**	<0.92	**0.14 J**	**3.3**	**0.49 J**	**0.15 J**	500,000	700
trans-1,2-Dichloroethene	<1.1	<0.92	**0.26 J**	<0.89	<0.92	<1	500,000	190
Trichloroethylene	**0.18 J**	<0.92	**1.4**	<0.89	<0.92	<1	200,000	470
Trichlorofluoromethane	<1.1	<0.92	<0.98	<0.89	<0.92	<1	n/a	n/a
Vinyl Chloride	<1.1	<0.92	<0.98	<0.89	<0.92	<1	13,000	20

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Location	BUD-01		BUD-02		BUD-03		Soil Cleanup Objectives[a]	
Depth (ft BGS)	14-18	18-22	14-18	18-22	14-18	22-26	Commercial	Unrestricted
Date Collected	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014		
Time Collected	8:09 AM	8:19 AM	9:13 AM	9:25 AM	9:45 AM	10:22 AM		
1,2,3-trimethyl-benzene (TIC)	n/a	n/a	n/a	49 JN !	10 JN !	n/a	n/a	n/a
1,2,4 Trimethylbenzene (TIC)	60 JN !	n/a	n/a	n/a	n/a	n/a	190,000	3,600
1,2,4,5 Tetramethylbenzene (TIC)	33 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1,7-dimethyl napthalene (TIC)	n/a	n/a	n/a	n/a	5.3 JN !	n/a	n/a	n/a
1-ethenyl-3-ethylbenzene (TIC)	32 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-ethenyl-4-ethylbenzene (TIC)	n/a	n/a	n/a	17 JN !	n/a	n/a	n/a	n/a
1-methyl-3(1-meth)-benzene (TIC)	n/a	n/a	n/a	n/a	4.7 JN !	n/a	n/a	n/a
1-Methylnaphthalene (TIC)	29 JN !	n/a	9 JN !	22 JN !	4.6 JN !	n/a	n/a	n/a
2,3 dihydro-1H-Indene (TIC)	n/a	n/a	n/a	18 JN !	n/a	n/a	n/a	n/a
2,3 Dihydro-1-methyl-1H-Indene (TIC)	70 JN !	n/a	n/a	45 JN !	9.6 JN !	n/a	n/a	n/a
2-ethyl-1,3-dimethyl-Benzene (TIC)	n/a	n/a	n/a	22 JN !	n/a	n/a	n/a	n/a
2-Methylnaphthalene (TIC)	47 JN !	n/a	10 JN !	42 JN !	9.1 JN !	n/a	n/a	n/a
5-Methyl-1,2,3,4-Tetrahydronapthalene (TIC)	n/a	n/a	n/a	38 JN !	7 JN !	n/a	n/a	n/a
6-Methyl-1,2,3,4-Tetrahydronapthalene (TIC)	51 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Benzene, 1-ethyl-2,4-dimethyl- (TIC)	43 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Naphthalene (TIC)	n/a	n/a	29 JN !	17 JN !	n/a	n/a	500,000	12,000
Naphthalene, 1,2,3,4-tetrahydro- (TIC)	44 JN !	n/a	n/a	33 JN !	6.4 JN !	n/a	n/a	n/a
Unknown volatile organic with highest conc. (TIC)	30 J !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Calculated								
Total VOC's (including TIC's)	530.1	13.41	82.98	378.6	82.29	33.52	n/a	n/a
Total BTEX	10.17	<4.6	0.14 J	21.3	5.16	0.44 J	n/a	n/a
Total Xylenes	4.6	<1.84	<1.96	13.3	3.8	0.29 J	500,000	260

Notes:
n/a - not applicable / not analyzed
B - Analyte was detected in associated lab blank
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a, b)

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Location	BUD-01		BUD-02		BUD-03		Soil Cleanup Objectives[a]	
Depth (ft BGS)	14-18	18-22	14-18	18-22	14-18	22-26	Commercial	Unrestricted
Date Collected	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014		
Time Collected	8:09 AM	8:19 AM	9:13 AM	9:25 AM	9:45 AM	10:22 AM		
1,1-Biphenyl	100 J	<340	<690	<350	<340	<350	n/a	n/a
1,2,4,5-Tetrachlorobenzene	<350	<340	<690	<350	<340	<350	n/a	n/a
2,3,4,6-Tetrachlorophenol	<350	<340	<690	<350	<340	<350	n/a	n/a
2,4,5-Trichlorophenol	<350	<340	<690	<350	<340	<350	n/a	n/a
2,4,6-Trichlorophenol	<350	<340	<690	<350	<340	<350	n/a	n/a
2,4-Dichlorophenol	<350	<340	<690	<350	<340	<350	n/a	n/a
2,4-Dimethylphenol	<350	<340	<690	<350	<340	<350	n/a	n/a
2,4-Dinitrophenol	<720	<690	<1400	<700	<690	<710	n/a	n/a
2,4-Dinitrotoluene	<72	<69	<140	<70	<69	<71	n/a	n/a
2,6-Dinitrotoluene	<72	<69	<140	<70	<69	<71	n/a	n/a
2-Chloronaphthalene	<350	<340	<690	<350	<340	<350	n/a	n/a
2-Chlorophenol	<350	<340	<690	<350	<340	<350	n/a	n/a
2-Methyl-4,6-dinitrophenol	<720	<690	<1400	<700	<690	<710	n/a	n/a
2-Methylnaphthalene	430	<340	<690	140 J	<340	<350	n/a	n/a
2-Nitroaniline	<350	<340	<690	<350	<340	<350	n/a	n/a
2-Nitrophenol	<350	<340	<690	<350	<340	<350	n/a	n/a
3,3-Dichlorobenzidine	<350	<340	<690	<350	<340	<350	n/a	n/a
3-Nitroaniline	<350	<340	<690	<350	<340	<350	n/a	n/a
P27	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Bromophenyl-phenylether	<350	<340	<690	<350	<340	<350	n/a	n/a
4-Chloro-3-methylphenol	<350	<340	<690	<350	<340	<350	n/a	n/a
4-Chloroaniline	<350	<340	<690	<350	<340	<350	n/a	n/a
4-Chlorophenyl-phenylether	<350	<340	<690	<350	<340	<350	n/a	n/a
4-Nitroaniline	<720	<690	<1400	<700	<690	<710	n/a	n/a
4-Nitrophenol	<350	<340	<690	<350	<340	<350	n/a	n/a
Acenaphthene	380	<340	270 J	61 J	<340	<350	500,000	20,000
Acenaphthylene	120 J	<340	<690	<350	<340	<350	500,000	100,000
Acetophenone	<350	<340	<690	<350	<340	<350	n/a	n/a
Anthracene	890	<340	2,400	150 J	<340	<350	500,000	100,000
Atrazine	<350	<340	<690	<350	<340	<350	n/a	n/a
Benzaldehyde	<350	<340	<690	<350	<340	<350	n/a	n/a
Benzo(a)anthracene	1,600	110	5,400	300	120	69	5,600	1,000
Benzo(a)pyrene	1,500	110	4,500	290	100	52	1,000	1,000
Benzo(b)fluoranthene	2,200	130	5,400	400	130	74	5,600	1,000
Benzo(g,h,i)perylene	420	98 J	1,500	87 J	65 J	44 J	500,000	100,000
Benzo(k)fluoranthene	890	49	2,300	170	50	29 J	56,000	800
bis(2-Chloroethoxy)methane	<350	<340	<690	<350	<340	<350	n/a	n/a
bis(2-Chloroethyl)ether	<35	<34	<69	<35	<34	<35	n/a	n/a
bis(2-Chloroisopropyl)ether	<350	<340	<690	<350	<340	<350	n/a	n/a
bis(2-Ethylhexyl)phthalate	<350	<340	<690	280 J	<340	<350	n/a	n/a
Butylbenzylphthalate	430	<340	<690	<350	<340	<350	n/a	n/a
Caprolactam	<350	<340	<690	<350	<340	<350	n/a	n/a
Carbazole	410	<340	420 J	68 J	<340	<350	n/a	n/a
Chrysene	1,600	110 J	4,900	320 J	120 J	63 J	56,000	1,000
Dibenzo(a,h)anthracene	160	39	580	36	29 J	25 J	560	330
Dibenzofuran	330 J	<340	210 J	59 J	<340	<350	350,000	7,000
Diethylphthalate	<350	<340	<690	<350	<340	<350	n/a	n/a
Dimethylphthalate	<350	<340	<690	<350	<340	<350	n/a	n/a
Di-n-butylphthalate	47 J	<340	<690	<350	<340	<350	n/a	n/a
Di-n-octylphthalate	<350	<340	<690	<350	<340	<350	n/a	n/a
Fluoranthene	4,700	160 J	12,000	670	140 J	100 J	500,000	100,000
Fluorene	700	<340	600 J	140 J	<340	<350	500,000	30,000
Hexachlorobenzene	<35	<34	<69	<35	<34	<35	6,000	330
Hexachlorobutadiene	<72	<69	<140	<70	<69	<71	n/a	n/a
Hexachlorocyclopentadiene	<350	<340	<690	<350	<340	<350	n/a	n/a
Hexachloroethane	<35	<34	<69	<35	<34	<35	n/a	n/a
Indeno(1,2,3-cd)pyrene	500	110	1,900	110	83	57	5,600	500
Isophorone	150 J	<340	<690	<350	<340	<350	n/a	n/a
Naphthalene	110 J	<340	93 J	<350	<340	<350	500,000	12,000
Nitrobenzene	<35	<34	<69	<35	<34	<35	n/a	n/a
N-Nitrosodi-N-Propylamine	<35	<34	<69	<35	<34	<35	n/a	n/a
N-Nitrosodiphenylamine	<350	<340	<690	<350	<340	<350	n/a	n/a
o-cresol	<350	<340	<690	<350	<340	<350	500,000	330

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Location	BUD-01		BUD-02		BUD-03		Soil Cleanup Objectives[a]	
Depth (ft BGS)	14-18	18-22	14-18	18-22	14-18	22-26	Commercial	Unrestricted
Date Collected	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014		
Time Collected	8:09 AM	8:19 AM	9:13 AM	9:25 AM	9:45 AM	10:22 AM		
p-cresol	<350	<340	<690	<350	<340	<350	500,000	330
Pentachlorophenol	<720	<690	<1400	<700	<690	<710	6,700	800
Phenanthrene	4,000	96 J	7,400	670	78 J	47 J	500,000	100,000
Phenol (total)	<350	<340	<690	<350	<340	<350	500,000	330
Pyrene	2,400	230 J	7,100	390	200 J	130 J	500,000	100,000
10,18-bisnorabieta-5,7,9(10),11,13-penta (TIC)	n/a	n/a	n/a	1200 JN !	n/a	n/a	n/a	n/a
11H-benzo[B]fluorine (TIC)	n/a	n/a	730 JN !	n/a	n/a	n/a	n/a	n/a
1-methylfluorene (TIC)	1400 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,6,11-Trimethyldodecane (TIC)	n/a	n/a	n/a	1300 JN !	n/a	n/a	n/a	n/a
2,6,8-trimethyl-decane (TIC)	1900 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,7-dimethyl napthalene (TIC)	n/a	n/a	n/a	480 JN !	n/a	n/a	n/a	n/a
3-methyl-4-(methoxycarbonyl)hexa-2,4-die (TIC)	1100 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4H-cyclopenta[def]phenanthrene (TIC)	n/a	n/a	2000 JN !	n/a	n/a	n/a	n/a	n/a
5-propyltridecane (TIC)	4600 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9H-fluorene, 3-methyl- (TIC)	n/a	n/a	n/a	630 JN !	n/a	n/a	n/a	n/a
Benzo[E]pyrene (TIC)	1100 JN !	n/a	1000 JN !	n/a	n/a	n/a	n/a	n/a
Dodecane (TIC)	n/a	n/a	n/a	430 JN !	n/a	n/a	n/a	n/a
Fluoranthene, 2-methyl- (TIC)	n/a	n/a	640 JN !	n/a	n/a	n/a	n/a	n/a
Heptadecane, 2,6,10,14-tetramethyl- (TIC)	1500 JN !	n/a	n/a	520 JN !	n/a	n/a	n/a	n/a
Heptadecane, 2,6-dimethyl- (TIC)	n/a	n/a	n/a	2700 JN !	n/a	n/a	n/a	n/a
Methylanthracene, 2- (TIC)	1300 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Napthalene, 1,6-dimethyl- (TIC)	1100 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Naphthalene, 2,3-dimethyl- (TIC)	1100 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
N-hexadecane (TIC)	n/a	n/a	n/a	580 JN !	n/a	n/a	n/a	n/a
Phenanthrene, 2,5-dimethyl- (TIC)	1200 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Tridecane (TIC)	1100 JN !	n/a	n/a	770 JN !	n/a	n/a	n/a	n/a
Undecane (TIC)	2400 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uknown semivolatile with 2nd highest conc. (TIC)	1500 J !	n/a	n/a	540 J !	n/a	n/a	n/a	n/a
Uknown semivolatile with 3rd highest conc. (TIC)	1400 J !	n/a	n/a	520 J !	n/a	n/a	n/a	n/a
Uknown semivolatile with 4th highest conc. (TIC)	1200 J !	n/a	n/a	480 J !	n/a	n/a	n/a	n/a
Uknown semivolatile with 5th highest conc. (TIC)	1200 J !	n/a	n/a	460 J !	n/a	n/a	n/a	n/a
Uknown semivolatile with 6th highest conc. (TIC)	1100 J !	n/a	n/a	450 J !	n/a	n/a	n/a	n/a
Uknown semivolatile with 7th highest conc. (TIC)	1000 J !	n/a	n/a	450 J !	n/a	n/a	n/a	n/a
Unknown semivolatile with highest conc. (TIC)	2100 J !	n/a	n/a	610 J !	340 J !	n/a	n/a	n/a
Z-2-tridecen-1-OL (TIC)	n/a	n/a	n/a	1100 JN !	n/a	n/a	n/a	n/a
Calculated Total SVOC's (including TIC's)	54,567	1,242	61,343	18,361	1,455	690	n/a	n/a

Notes:
n/a - not applicable / not analyzed
B - Analyte was detected in associated lab blank
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a, b)
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO
- value exceeds both 6 NYCRR 375-6.8 (a,b) commercial and unrestricted use SCO's

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (mg/Kg)
TestAmerica, Inc.
Methods: SW6010C, SW7471B

Location	BUD-01		BUD-02		BUD-03		Soil Cleanup Objectives[a]	
Depth (ft BGS)	14-18	18-22	14-18	18-22	14-18	22-26	Commercial	Unrestricted
Date Collected	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014		
Time Collected	8:09 AM	8:19 AM	9:13 AM	9:25 AM	9:45 AM	10:22 AM		
Aluminum	5,050	2,710	2,450	2,260	1,890	2,880	n/a	n/a
Antimony	<3.1	<3.7	<3.5	<3.1	<3.3	<2.9	n/a	n/a
Arsenic	4.3	2.1 J	1.5 J	1.1 J	0.76 J	1 J	16	13
Barium	88.3	16.2 J	15.7 J	16.4 J	9.9 J	9.8 J	400	350
Beryllium	0.21 J	<0.37	<0.35	<0.31	<0.33	<0.29	590	7.2
Cadmium	<0.63	<0.74	<0.7	<0.62	<0.66	<0.59	9.3	2.5
Calcium	27,800	608 J	5,840	2,390	4,020	890	n/a	n/a
Chromium (total)	33.3	6.8	7.1	13.4	4.9	9.2	1,500[b]	30[b]
Cobalt	2.7 J	2.6 J	1.4 J	1.5 J	1.1 J	1.7 J	n/a	n/a
Copper	33.6	5.3	4.5	6.2	3.1 J	3.2 J	270	50
Iron	10,200	15,500	6,640	4,790	4,100	6,030	n/a	n/a
Lead	78.4	5.4	14.5	10	7.5	4.3	1,000	63
Magnesium	3,360	499 J	2,340	1,090	599 J	518 J	n/a	n/a
Manganese	143	354	93.2	64.2	74	88.1	10,000	1,600
Mercury	<0.018	0.11	0.03	0.02	0.08	<0.017	2.8	0.18
Nickel	14.5	4.1 J	2.8 J	3.9 J	2.3 J	2.9 J	310	30
Potassium	570 J	184 J	175 J	217 J	187 J	186 J	n/a	n/a
Selenium	<3.1	<3.7	<3.5	<3.1	<3.3	<2.9	1,500	3.9
Silver	<1.6	<1.8	<1.8	<1.5	<1.6	<1.5	1,500	2
Sodium	142 J	<924	<880	<773	<824	<736	n/a	n/a
Thallium	<3.1	<3.7	<3.5	<3.1	<3.3	<2.9	n/a	n/a
Vanadium	45.5	7.2 J	5.7 J	8.9	4.2 J	5.7 J	n/a	n/a
Zinc	128	14.3	20.6	17.7	10.9	11.2	10,000	109

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - 6 NYCRR 375-6.8 (a, b)
[b] - SCO's for trivalent chromium are presented
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
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Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8081B

Location	BUD-01		BUD-02		BUD-03		Soil Cleanup Objectives[a]	
Depth (ft BGS)	14-18	18-22	14-18	18-22	14-18	22-26	Commercial	Unrestricted
Date Collected	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014	6/26/2014		
Time Collected	8:09 AM	8:19 AM	9:13 AM	9:25 AM	9:45 AM	10:22 AM		
4,4,-DDT	<7.2	<6.9	<7	<7	<6.9	<7.1	47,000	3.3
4,4-DDD	<7.2	<6.9	<7	<7	<6.9	<7.1	92,000	3.3
4,4-DDE	<7.2	<6.9	<7	<7	<6.9	<7.1	62,000	3.3
a BHC	<7.2	<6.9	<7	<7	<6.9	<7.1	3,400	20
Aldrin	<7.2	<6.9	<7	<7	<6.9	<7.1	680	5
b BHC	<7.2	<6.9	<7	<7	<6.9	<7.1	3,000	36
Chlordane	<72	<69	<70	<70	<69	<71	n/a	n/a
delta-BHC	<7.2	<6.9	<7	<7	<6.9	<7.1	500,000	40
Dieldrin	<7.2	<6.9	<7	<7	<6.9	<7.1	1,400	5
Endosulfan I	<7.2	<6.9	<7	<7	<6.9	<7.1	200,000	2,400
Endosulfan II	<7.2	<6.9	<7	<7	<6.9	<7.1	200,000	2,400
Endosulfan Sulfate	<7.2	<6.9	<7	<7	<6.9	<7.1	200,000	2,400
Endrin	<7.2	<6.9	<7	<7	<6.9	<7.1	89,000	14
Endrin Aldehyde	<7.2	<6.9	<7	<7	<6.9	<7.1	n/a	n/a
Endrin ketone	<7.2	<6.9	<7	<7	<6.9	<7.1	n/a	n/a
Gamma-BHC(Lindane)	<7.2	<6.9	<7	<7	<6.9	<7.1	9,200	100
Heptachlor	<7.2	<6.9	<7	<7	<6.9	<7.1	15,000	42
Heptachlor Epoxide	<7.2	<6.9	<7	<7	<6.9	<7.1	n/a	n/a
Methoxychlor	<7.2	<6.9	<7	<7	<6.9	<7.1	n/a	n/a
Toxaphene	<72	<69	<70	<70	<69	<71	n/a	n/a

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a, b)

Fairchild Republic Aircraft; Old Sump
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Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Location	CR-5	CR-10	CR-11	Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	0-1	24-29	Commercial	Unrestricted
Date Collected	7/15/2014	7/15/2014	6/18/2014		
Time Collected	9:56 AM	8:35 AM	8:46 AM		
Aroclor 1016	<70	<71	<77	n/a	n/a
Aroclor 1221	<70	<71	<77	n/a	n/a
Aroclor 1232	<70	<71	<77	n/a	n/a
Aroclor 1242	<70	<71	<77	n/a	n/a
Aroclor 1248	<70	<71	<77	n/a	n/a
Aroclor 1254	<70	<71	<77	n/a	n/a
Aroclor 1260	<70	<71	<77	n/a	n/a
Aroclor 1262	<70	<71	<77	n/a	n/a
Aroclor 1268	<70	<71	<77	n/a	n/a
Polychlorinated biphenyls (total)	<70	<71	<77	**1,000**	**100**

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a, b)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Location	CR-5	CR-10	CR-11	Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	0-1	24-29	Commercial	Unrestricted
Date Collected	7/15/2014	7/15/2014	6/18/2014		
Time Collected	9:56 AM	8:35 AM	8:46 AM		
1,1 Dichloroethane	<1.1	<1	<1.1	240,000	270
1,1 Dichloroethene	<1.1	<1	<1.1	500,000	330
1,1,1 Trichloroethane	<1.1	<1	<1.1	500,000	680
1,1,2 Trichloroethane	<1.1	<1	<1.1	n/a	n/a
1,1,2,2 Tetrachloroethane	<1.1	<1	<1.1	n/a	n/a
1,2 Dibromoethane	<1.1	<1	<1.1	n/a	n/a
1,2 Dichlorobenzene	<1.1	<1	0.24 J	500,000	1,100
1,2 Dichloroethane	<1.1	<1	<1.1	30,000	20
1,2 Dichloropropane	<1.1	<1	<1.1	n/a	n/a
1,2,3 Trichlorobenzene	<1.1	<1	<1.1	n/a	n/a
1,2,4 Trichlorobenzene	<1.1	<1	<1.1	n/a	n/a
1,3 Dichlorobenzene	<1.1	<1	<1.1	280,000	2,400
1,4 Dichlorobenzene	<1.1	<1	<1.1	130,000	1,800
1,4-Dioxane	<22	<20	<21	130,000	100
2-Hexanone	<5.6	<5	<5.3	n/a	n/a
4-Methyl-2-Pentanone	<5.6	<5	<5.3	n/a	n/a
Acetone	15	10	68	500,000	50
Benzene	<1.1	<1	<1.1	44,000	60
Bromochloromethane	<1.1	<1	<1.1	n/a	n/a
Bromodichloromethane	<1.1	<1	<1.1	n/a	n/a
Bromoform	<1.1	<1	<1.1	n/a	n/a
Bromomethane	<1.1	<1	<1.1	n/a	n/a
c 1,3 Dichloropropene	<1.1	<1	<1.1	n/a	n/a
Carbon Disulfide	<1.1	<1	1.5	n/a	n/a
Carbon Tetrachloride	<1.1	<1	<1.1	22,000	760
Chlorobenzene	<1.1	<1	<1.1	500,000	1,100
Chloroethane	<1.1	<1	<1.1	n/a	n/a
Chloroform	<1.1	<1	<1.1	350,000	370
Chloromethane	<1.1	<1	<1.1	n/a	n/a
cis-1,2-Dichloroethene	<1.1	<1	<1.1	500,000	250
Cyclohexane	<1.1	<1	<1.1	n/a	n/a
Cyclohexane, methyl-	<1.1	<1	0.16 J	n/a	n/a
Dibromochloromethane	<1.1	<1	<1.1	n/a	n/a
Dibromochloropropane	<1.1	<1	<1.1	n/a	n/a
Dichlorodifluoromethane	<1.1	<1	<1.1	n/a	n/a
Ethylbenzene	<1.1	<1	<1.1	390,000	1,000
Freon 113	<1.1	<1	<1.1	n/a	n/a
Isopropylbenzene	<1.1	<1	<1.1	n/a	n/a
m + p Xylene	<1.1	<1	<1.1	n/a	n/a
Methyl acetate	<5.6	<5	<5.3	n/a	n/a
Methyl Ethyl Ketone	<5.6	<5	10	500,000	120
Methylene Chloride	<1.1	<1	0.65 BJ	500,000	50
o-Xylene	<1.1	<1	<1.1	n/a	n/a

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Location	CR-5	CR-10	CR-11	Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	0-1	24-29	Commercial	Unrestricted
Date Collected	7/15/2014	7/15/2014	6/18/2014		
Time Collected	9:56 AM	8:35 AM	8:46 AM		
Styrene	<1.1	<1	<1.1	n/a	n/a
t 1,3 Dichloropropene	<1.1	<1	<1.1	n/a	n/a
t butylmethylether	<1.1	<1	<1.1	500,000	930
Tetrachloroethene	<1.1	<1	<1.1	150,000	1,300
Toluene	<1.1	<1	<1.1	500,000	700
trans-1,2-Dichloroethene	<1.1	<1	<1.1	500,000	190
Trichloroethylene	<1.1	<1	<1.1	200,000	470
Trichlorofluoromethane	<1.1	<1	<1.1	n/a	n/a
Vinyl Chloride	<1.1	<1	<1.1	13,000	20
1R-,alpha.-Pinene (TIC)	7.9 JN !	n/a	n/a	n/a	n/a
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)- (TIC)	6 JN !	n/a	n/a	n/a	n/a
D-Limonene (TIC)	11 JN !	n/a	n/a	n/a	n/a
Unknown volatile organic with highest conc. (TIC)	n/a	n/a	8.6 J !	n/a	n/a
Calculated					
Total VOC's (including TIC's)	39.9	10	89.15	n/a	n/a
Total BTEX	<5.5	<5	<5.5	n/a	n/a
Total Xylenes	<2.2	<2	<2.2	500,000	260

Notes:
n/a - not applicable / not analyzed
B - Analyte was detected in associated lab blank
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a, b)
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
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Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Location	CR-5	CR-10	CR-11	Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	0-1	24-29	Commercial	Unrestricted
Date Collected	7/15/2014	7/15/2014	6/18/2014		
Time Collected	9:56 AM	8:35 AM	8:46 AM		
1,1-Biphenyl	<350	<350	<380	n/a	n/a
1,2,4,5-Tetrachlorobenzene	<350	<350	<380	n/a	n/a
2,3,4,6-Tetrachlorophenol	<350	<350	<380	n/a	n/a
2,4,5-Trichlorophenol	<350	<350	<380	n/a	n/a
2,4,6-Trichlorophenol	<350	<350	<380	n/a	n/a
2,4-Dichlorophenol	<350	<350	<380	n/a	n/a
2,4-Dimethylphenol	<350	<350	<380	n/a	n/a
2,4-Dinitrophenol	<700	<710	<770	n/a	n/a
2,4-Dinitrotoluene	<70	<71	<77	n/a	n/a
2,6-Dinitrotoluene	<70	<71	<77	n/a	n/a
2-Chloronaphthalene	<350	<350	<380	n/a	n/a
2-Chlorophenol	<350	<350	<380	n/a	n/a
2-Methyl-4,6-dinitrophenol	<700	<710	<770	n/a	n/a
2-Methylnaphthalene	<350	<350	<380	n/a	n/a
2-Nitroaniline	<350	<350	<380	n/a	n/a
2-Nitrophenol	<350	<350	<380	n/a	n/a
3,3-Dichlorobenzidine	<350	<350	<380	n/a	n/a
3-Nitroaniline	<350	<350	<380	n/a	n/a
4-Bromophenyl-phenylether	<350	<350	<380	n/a	n/a
4-Chloro-3-methylphenol	<350	<350	<380	n/a	n/a
4-Chloroaniline	<350	<350	<380	n/a	n/a
4-Chlorophenyl-phenylether	<350	<350	<380	n/a	n/a
4-Nitroaniline	<700	<710	<770	n/a	n/a
4-Nitrophenol	<350	<350	<380	n/a	n/a
Acenaphthene	<350	<350	<380	500,000	20,000
Acenaphthylene	<350	<350	<380	500,000	100,000
Acetophenone	<350	<350	<380	n/a	n/a
Anthracene	<350	<350	71 J	500,000	100,000
Atrazine	<350	<350	<380	n/a	n/a
Benzaldehyde	<350	<350	<380	n/a	n/a
Benzo(a)anthracene	130	110	300	5,600	1,000
Benzo(a)pyrene	140	120	280	1,000	1,000
Benzo(b)fluoranthene	180	150	440	5,600	1,000
Benzo(g,h,i)perylene	140 J	61 J	98 J	500,000	100,000
Benzo(k)fluoranthene	74	66	160	56,000	800
bis(2-Chloroethoxy)methane	<350	<350	<380	n/a	n/a
bis(2-Chloroethyl)ether	<35	<35	<38	n/a	n/a
bis(2-Chloroisopropyl)ether	<350	<350	<380	n/a	n/a
bis(2-Ethylhexyl)phthalate	<350	<350	420	n/a	n/a
Butylbenzylphthalate	<350	<350	62 J	n/a	n/a
Caprolactam	<350	<350	<380	n/a	n/a
Carbazole	<350	<350	<380	n/a	n/a
Chrysene	160 J	130 J	330 J	56,000	1,000
Dibenzo(a,h)anthracene	49	40	45	560	330
Dibenzofuran	<350	<350	<380	350,000	7,000
Diethylphthalate	<350	<350	<380	n/a	n/a

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Location	CR-5	CR-10	CR-11	Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	0-1	24-29	Commercial	Unrestricted
Date Collected	7/15/2014	7/15/2014	6/18/2014		
Time Collected	9:56 AM	8:35 AM	8:46 AM		
Dimethylphthalate	<350	<350	<380	n/a	n/a
Di-n-butylphthalate	<350	<350	54 J	n/a	n/a
Di-n-octylphthalate	<350	<350	<380	n/a	n/a
Fluoranthene	240 J	190 J	640	500,000	100,000
Fluorene	<350	<350	<380	500,000	30,000
Hexachlorobenzene	<35	<35	<38	6,000	330
Hexachlorobutadiene	<70	<71	<77	n/a	n/a
Hexachlorocyclopentadiene	<350	<350	<380	n/a	n/a
Hexachloroethane	<35	<35	<38	n/a	n/a
Indeno(1,2,3-cd)pyrene	170	95	130	5,600	500
Isophorone	<350	<350	<380	n/a	n/a
Naphthalene	<350	<350	<380	500,000	12,000
Nitrobenzene	<35	<35	<38	n/a	n/a
N-Nitrosodi-N-Propylamine	<35	<35	<38	n/a	n/a
N-Nitrosodiphenylamine	<350	<350	<380	n/a	n/a
o-cresol	<350	<350	<380	500,000	330
p-cresol	<350	<350	<380	500,000	330
Pentachlorophenol	<700	<710	<770	6,700	800
Phenanthrene	76 J	70 J	270 J	500,000	100,000
Phenol (total)	<350	<350	<380	500,000	330
Pyrene	170 J	140 J	360 J	500,000	100,000
17-Pentatriacontene 30.930 (TIC)	n/a	n/a	410 JN !	n/a	n/a
28-nor-17 beta (H)-hopane (TIC)	n/a	n/a	1100 JN !	n/a	n/a
Hexadecane, 1-chloro- (TIC)	n/a	n/a	410 JN !	n/a	n/a
Unknown semivolatile with 2nd highest conc. (TIC)	n/a	1200 J !	560 J !	n/a	n/a
Unknown semivolatile with 3rd highest conc. (TIC)	n/a	n/a	550 J !	n/a	n/a
Unknown semivolatile with 4th highest conc. (TIC)	n/a	n/a	470 J !	n/a	n/a
Unknown semivolatile with 5th highest conc. (TIC)	n/a	n/a	420 J !	n/a	n/a
Unknown semivolatile with highest conc. (TIC)	n/a	2900 J !	1400 J !	n/a	n/a
Calculated Total SVOC's	1,529	5,272	8,980	n/a	n/a

Notes:
n/a - not applicable / not analyzed
B - Analyte was detected in associated lab blank
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a, b)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

2014 Remedial Investigation Soil Analytical Results (mg/Kg)
TestAmerica, Inc.
Methods: SW6010C, SW7471B

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Location	Depth (ft BGS)	Date Collected	Time Collected	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium (total)	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
CR-1	0-1	7/15/2014	11:30 AM	5,000	<4.4	3.3	42.6 J	<0.44	<0.88	6,380	12.3	2.4 J	20	8,100	45	2,100	121	0.11	6.4 J	263 J	<4.4	<2.2	<1100	<4.4	11.4	62
	surf	7/15/2014	11:29 AM	3,180	<4.3	1.9 J	18.4 J	<0.43	<0.86	3,820	18.7	1.7 J	8.4	5,770	25.6	2,200	82	0.07	4 J	191 J	<4.3	<2.1	<1070	<4.3	7.7 J	52.7
CR-2	0-1	7/15/2014	11:25 AM	2,790	<3.8	1.7 J	14 J	<0.38	<0.76	1,210	11	1.6 J	5.8	6,090	14.9	898 J	90.7	0.04	3 J	152 J	<3.8	<1.9	<953	<3.8	7.1 J	32.6
	surf	7/15/2014	11:24 AM	4,910	<4.6	4.9	68.5	<0.46	<0.91	6,010	41.9	2.3 J	23.3	16,100	71.3	1,440	152	0.11	8.4 J	353 J	<4.6	<2.3	<1140	<4.6	25.2	107
CR-3	0-1	7/15/2014	11:21 AM	4,030	<3.6	1.2 J	15 J	<0.36	<0.71	361 J	7.3	2.2 J	3.8 J	6,350	5.4	890	95.4	0.02	4.6 J	459 J	<3.6	<1.8	<888	<3.6	8.2 J	15.4
	surf	7/15/2014	11:20 AM	4,030	<3.6	1.5 J	16.1 J	<0.36	<0.72	1,010	7.7	2.1 J	5.6	7,840	8.6	691 J	101	0.01 J	4 J	244 J	<3.6	<1.8	<896	<3.6	8.2 J	27.3
CR-4	0-1	7/15/2014	10:03 AM	2,810	<3.7	<2.8	9.2 J	<0.37	<0.74	259 J	4.3	1.5 J	2.8 J	5,890	3.5	460 J	92.7	0.01 J	2.9 J	153 J	<3.7	<1.8	<920	<3.7	5.1 J	10.1
	surf	7/15/2014	10:01 AM	3,770	<3.5	2 J	27.5 J	<0.35	<0.7	552 J	10.4	2.1 J	10	7,060	26.4	727 J	98.2	0.04	4.9 J	240 J	<3.5	<1.8	<876	<3.5	8.9	42.4
CR-5	0-1	7/15/2014	9:56 AM	3,010	<3.4	1.3 J	9.8 J	<0.34	<0.69	270 J	7.3	3.5 J	3.8 J	5,800	4.7	515 J	102	0.01 J	4.4 J	149 J	<3.4	<1.7	<860	<3.4	5.6 J	12
	surf	7/15/2014	9:55 AM	2,830	<3.3	1.6 J	10.6 J	<0.33	<0.66	264 J	28	1.6 J	4.6	6,860	6.1	470 J	88.7	0.05	2.9 J	159 J	<3.3	<1.6	<821	<3.3	6.2 J	16.5
CR-6	0-1	7/15/2014	9:53 AM	4,270	<3.6	1.7 J	10.9 J	<0.36	<0.72	532 J	13.5	2.1 J	3.8 J	7,070	5	753 J	89.5	0.01 J	4.5 J	199 J	<3.6	<1.8	<897	<3.6	8 J	13.4
	surf	7/15/2014	9:52 AM	3,370	<3.5	1.9 J	27.3 J	<0.35	0.39 J	405 J	55	1.9 J	9.2	6,320	752	614 J	140	0.04	4 J	232 J	<3.5	0.8 J	<878	<3.5	7.7 J	37.9
CR-7	0-1	7/15/2014	9:49 AM	2,500	<3.6	0.85 J	7.9 J	<0.36	0.62 J	159 J	80.6	1.3 J	7.2	5,240	6	401 J	84.1	0.02	2.9 J	132 J	<3.6	1.2 J	<896	<3.6	5.1 J	27.1
	surf	7/15/2014	9:48 AM	2,940	<3.1	1.2 J	11.1 J	<0.31	<0.61	248 J	24.1	1.6 J	4.6	5,110	6.1	547 J	82.8	0.01 J	2.9 J	169 J	<3.1	<1.5	<765	<3.1	5.8 J	17.3
CR-8	0-1	7/15/2014	8:47 AM	2,700	<3.1	1 J	8.7 J	<0.31	<0.63	285 J	16.9	1.4 J	4.1	5,830	4.6	481 J	80.8	0.02	2.8 J	142 J	<3.1	<1.6	<782	<3.1	5.1 J	13.2
	surf	7/15/2014	8:46 AM	1,660	<3.1	<2.3	6.7 J	<0.31	<0.62	149 J	17.7	0.86 J	2.9 J	3,290	4	293 J	50.8	0.02	1.6 J	101 J	<3.1	<1.5	<770	<3.1	3.4 J	11.4
CR-9	0-1	7/15/2014	8:41 AM	2,050	<2.9	1.4 J	8.4 J	<0.29	<0.58	938	9.2	1.4 J	3 J	6,570	4.8	410 J	90	0.02	3 J	122 J	<2.9	<1.4	<723	<2.9	4.5 J	12
	surf	7/15/2014	8:39 AM	4,740	<3.5	2 J	40.3	<0.35	<0.71	756 J	12.5	1.8 J	6	6,840	20.3	608 J	95	0.02	4.1 J	270 J	<3.5	<1.8	<885	<3.5	9	34.9
CR-10	0-1	7/15/2014	8:35 AM	2,200	<3.8	<2.8	7.4 J	<0.38	<0.75	127 J	6.2	1.1 J	2.3 J	4,230	3.5	374 J	63.7	<0.017	2.5 J	128 J	<3.8	<1.9	<943	<3.8	4.1 J	8.7
	surf	7/15/2014	8:34 AM	2,450	<3.6	0.8 J	9.4 J	<0.36	<0.73	261 J	6.8	1.3 J	6.5	4,710	7.1	454 J	77.9	0.01 J	2.7 J	136 J	<3.6	<1.8	<911	<3.6	5.3 J	20.8
CR-11	0-1	6/18/2014	7:38 AM	2,290	<3.3	1 J	8.7 J	<0.33	<0.65	443 J	18.6	1.4 J	3.7 J	4,340	5.8	401 J	69.7	0.02 J	2.6 J	131 J	<3.3	<1.6	<815	<3.3	4.8 J	17.5
	24-29	6/18/2014	8:46 AM	5,510	<3.5	3.1	19.6 J	<0.35	3.6	778 J	205	3.8 J	12	10,100	16.5	800 J	138	0.34	6.4 J	271 J	<3.5	10.5	<874	<3.5	11	68.3
	surf	6/18/2014	7:37 AM	2,700	<3.6	1.4 J	15.4 J	<0.36	<0.72	1,350	30	1.7 J	6.2	5,340	48.3	562 J	90.5	0.02	3.2 J	223 J	<3.6	<1.8	<905	<3.6	5.7 J	30.1
CR-12	0-1	7/15/2014	8:29 AM	5,330	<3.9	2.1 J	27.6 J	<0.39	<0.78	5,280	21.3	2.4 J	10.8	8,950	18.2	3,330	159	0.04	9.2	294 J	<3.9	<2	<977	<3.9	12.1	38.2
	surf	7/15/2014	8:25 AM	5,080	<4.4	1.9 J	22.7 J	<0.44	<0.87	1,300	25.3	2.4 J	11.8	8,460	26.4	954 J	120	0.04	5.6 J	338 J	<4.4	<2.2	<1090	<4.4	11.3	72.3
Soil Cleanup Objectives[a]	Commercial			n/a	n/a	16	400	590	9.3	n/a	1,500[b]	n/a	270	n/a	1,000	n/a	10,000	2.8	310	n/a	1,500	1,500	n/a	n/a	n/a	10,000
	Unrestricted			n/a	n/a	13	350	7.2	2.5	n/a	30[b]	n/a	50	n/a	63	n/a	1,600	0.18	30	n/a	3.9	2	n/a	n/a	n/a	109

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - 6 NYCRR 375-6.8 (a, b)
[b] - SCO's for trivalent chromium are presented
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8081B

Location	CR-5	CR-10	CR-11	Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	0-1	24-29	Commercial	Unrestricted
Date Collected	7/15/2014	7/15/2014	6/18/2014		
Time Collected	9:56 AM	8:35 AM	8:46 AM		
4,4,-DDT	<1.8	<1.7	<7.7	**47,000**	**3.3**
4,4-DDD	<1.8	<1.7	<7.7	**92,000**	**3.3**
4,4-DDE	<1.8	<1.7	<7.7	**62,000**	**3.3**
a BHC	<1.8	<1.7	<7.7	**3,400**	**20**
Aldrin	<1.8	<1.7	<7.7	**680**	**5**
b BHC	<3.4	<3.3	<7.7	**3,000**	**36**
Chlordane	<69	<67	<77	n/a	n/a
delta-BHC	<1.8	<1.7	<7.7	**500,000**	**40**
Dieldrin	<1.8	<1.7	<7.7	**1,400**	**5**
Endosulfan I	<1.8	<1.7	<7.7	**200,000**	**2,400**
Endosulfan II	<1.8	<1.7	<7.7	**200,000**	**2,400**
Endosulfan Sulfate	<1.8	<1.7	<7.7	**200,000**	**2,400**
Endrin	<1.8	<1.7	<7.7	**89,000**	**14**
Endrin Aldehyde	<1.8	<1.7	<7.7	n/a	n/a
Endrin ketone	<1.8	<1.7	<7.7	n/a	n/a
Gamma-BHC(Lindane)	<1.8	<1.7	<7.7	**9,200**	**100**
Heptachlor	<1.8	<1.7	<7.7	**15,000**	**42**
Heptachlor Epoxide	<1.8	<1.7	<7.7	n/a	n/a
Methoxychlor	<3.4	<3.3	<7.7	n/a	n/a
Toxaphene	<69	<67	<77	n/a	n/a

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a, b)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Location	Depth (ft BGS)	Date Collected	Time Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Polychlorinated biphenyls (total)
G-01	0-1	7/16/2014	10:42 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
	surf	7/16/2014	10:41 AM	<76	<76	<76	<76	<76	<76	<76	<76	<76	<76
G-02	0-1	7/16/2014	10:47 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	surf	7/16/2014	10:46 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
G-03	0-1	7/16/2014	10:52 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	surf	7/16/2014	10:51 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
G-04	0-1	7/16/2014	10:58 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	surf	7/16/2014	10:57 AM	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
G-05	0-1	7/16/2014	12:21 PM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	surf	7/16/2014	12:20 PM	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
G-06	0-1	7/16/2014	12:33 PM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	surf	7/16/2014	12:32 PM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
G-07	0-1	7/17/2014	10:59 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
	surf	7/17/2014	10:58 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
G-08	0-1	7/17/2014	10:55 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	surf	7/17/2014	10:54 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
G-09	0-1	7/17/2014	10:50 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
	surf	7/17/2014	10:48 AM	<75	<75	<75	<75	<75	<75	<75	**200**	<75	**200**
G-10	0-1	7/17/2014	9:33 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	surf	7/17/2014	9:32 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
G-11	0-1	7/17/2014	9:28 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	surf	7/17/2014	9:27 AM	<77	<77	<77	<77	<77	<77	<77	<77	<77	<77
G-12	0-1	6/17/2014	8:58 AM	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
	28-32	6/17/2014	10:29 AM	<80	<80	<80	<80	**190**	<80	<80	<80	<80	**190**
	surf	6/17/2014	8:58 AM	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
G-13	0-1	7/16/2014	9:13 AM	<81	<81	<81	<81	<81	<81	<81	<81	<81	<81
	surf	7/16/2014	9:11 AM	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
G-14	0-1	7/16/2014	9:05 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	surf	7/16/2014	9:04 AM	<78	<78	<78	<78	<78	<78	<78	<78	<78	<78
G-15	0-1	7/17/2014	9:21 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	surf	7/17/2014	9:20 AM	<73	<73	<73	<73	<73	<73	<73	<73	<73	<73
G-16	0-1	7/17/2014	9:17 AM	<69	<69	<69	<69	<69	<69	<69	<69	<69	<69
	surf	7/17/2014	9:16 AM	<70	<70	<70	<70	<70	<70	<70	<70	<70	<70
G-17	0-1	6/16/2014	8:50 AM	<74	<74	<74	<74	<74	<74	<74	<74	<74	<74
	8-12	6/16/2014	9:11 AM	<79	<79	<79	<79	<79	**180**	<79	<79	<79	**180**
	surf	6/16/2014	8:45 AM	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
G-18	0-1	7/16/2014	8:57 AM	<72	<72	<72	<72	<72	<72	<72	<72	<72	<72
	surf	7/16/2014	8:56 AM	<83	<83	<83	<83	<83	<83	<83	<83	<83	<83
Soil Cleanup Objectives[a]	Commercial			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**1,000**
	Unrestricted			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**100**

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a, b)
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Location	G-01		G-02		G-03		G-04		G-05		G-06		G-07		G-08		G-09		G-10		G-11		G-12			G-13		G-14		G-15		G-16		G-17			G-18		Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	28-32	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	8-12	Surf	0-1	Surf	Commercial	Unrestricted
Date Collected	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	6/17/14	6/17/14	6/17/14	7/16/14	7/16/14	7/16/14	7/16/14	7/17/14	7/17/14	6/16/14	6/16/14	6/16/14	6/16/14	7/16/14	7/16/14		
Time Collected	10:42 AM	10:41 AM	10:47 AM	10:46 AM	10:52 AM	10:51 AM	10:58 AM	10:57 AM	12:21 PM	12:20 PM	12:33 PM	12:32 PM	10:59 AM	10:58 AM	10:55 AM	10:54 AM	10:50 AM	10:48 AM	9:33 AM	9:32 AM	9:28 AM	9:27 AM	8:58 AM	10:29 AM	8:58 AM	9:13 AM	9:11 AM	9:05 AM	9:04 AM	9:21 AM	9:20 AM	9:17 AM	9:16 AM	8:50 AM	9:11 AM	8:45 AM	8:57 AM	8:56 AM		
1,1 Dichloroethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	240,000	270
1,1 Dichloroethene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	**0.21 J**	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	500,000	330
1,1,1 Trichloroethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	500,000	680
1,1,2 Trichloroethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
1,1,2,2 Tetrachloroethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
1,2 Dibromoethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
1,2 Dichlorobenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	500,000	1,100
1,2 Dichloroethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	30,000	20
1,2 Dichloropropane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
1,2,3 Trichlorobenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
1,2,4 Trichlorobenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
1,3 Dichlorobenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	280,000	2,400
1,4 Dichlorobenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	130,000	1,800
1,4-Dioxane	<21	<21	<21	<26	<23	<22	<25	<22	<21	<24	<23	<25	<24	<24	<22	<22	<22	<23	<21	<22	<23	<25	<22	<21	<22	<26	<31	<25	<25	<21	<24	<20	<20	<22	<21	<19	<23	<24	130,000	100
2-Hexanone	<5.2	<5.4	<5.3	<6.5	<5.8	<5.4	<6.2	<5.5	<5.2	<5.9	<5.6	<6.3	<6	<6	<5.5	<5.4	<5.4	<5.7	<5.3	<5.6	<5.7	<6.2	<5.4	<5.1	<5.6	<6.5	<7.8	<6.2	<6.2	<5.3	<5.9	<5.1	<5.1	<5.4	<5.2	<4.8	<5.9	<5.9	n/a	n/a
4-Methyl-2-Pentanone	<5.2	<5.4	<5.3	<6.5	<5.8	<5.4	<6.2	<5.5	<5.2	<5.9	<5.6	<6.3	<6	<6	<5.5	<5.4	<5.4	<5.7	<5.3	<5.6	<5.7	<6.2	<5.4	<5.1	<5.6	<6.5	<7.8	<6.2	<6.2	<5.3	<5.9	<5.1	<5.1	<5.4	<5.2	<4.8	<5.9	<5.9	n/a	n/a
Acetone	**11**	<5.4	**11**	**17**	**12**	<5.4	**15**	**10**	**11**	**14**	<5.6	<6.3	<6	<6	<5.5	<5.4	<5.4	<5.7	<5.3	<5.6	<5.7	<6.2	<5.4	**59**	<5.6	<6.5	<7.8	<6.2	<6.2	<5.3	<5.9	<5.1	<5.1	**9.2**	**47**	<4.8	<5.9	<5.9	500,000	50
Benzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	44,000	60
Bromochloromethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Bromodichloromethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Bromoform	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Bromomethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
c 1,3 Dichloropropene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Carbon Disulfide	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	**0.65 J**	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	**0.33 J**	<1	<0.96	<1.2	<1.2	n/a	n/a
Carbon Tetrachloride	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	22,000	760
Chlorobenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	**0.74 J**	<1.1	**0.31 J**	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	**0.52 J**	**0.85 J**	**0.35 J**	**0.39 J**	<1.1	<1	<0.96	<1.2	<1.2	500,000	1,100
Chloroethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Chloroform	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	350,000	370
Chloromethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
cis-1,2-Dichloroethene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	**0.13 J**	<1	<0.96	<1.2	<1.2	500,000	250
Cyclohexane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	**0.72 J**	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Cyclohexane, methyl-	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	**2.2**	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Dibromochloromethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Dibromochloropropane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Dichlorodifluoromethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Ethylbenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	**0.24 J**	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	**0.2 J**	**0.23 J**	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	390,000	1,000
Freon 113	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Isopropylbenzene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
m + p Xylene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Methyl acetate	<5.2	<5.4	<5.3	<6.5	<5.8	<5.4	<6.2	<5.5	<5.2	<5.9	<5.6	<6.3	<6	<6	<5.5	<5.4	<5.4	<5.7	<5.3	<5.6	<5.7	<6.2	<5.4	<5.1	<5.6	<6.5	<7.8	<6.2	<6.2	<5.3	<5.9	<5.1	<5.1	<5.4	<5.2	<4.8	<5.9	<5.9	n/a	n/a
Methyl Ethyl Ketone	<5.2	<5.4	<5.3	<6.5	<5.8	<5.4	<6.2	<5.5	<5.2	<5.9	<5.6	<6.3	<6	<6	<5.5	<5.4	<5.4	<5.7	<5.3	<5.6	<5.7	<6.2	<5.4	**14**	<5.6	<6.5	<7.8	<6.2	<6.2	<5.3	<5.9	<5.1	<5.1	<5.4	**8.1**	<4.8	<5.9	<5.9	500,000	120
Methylene Chloride	<1	**0.69 BJ**	<1.1	**0.84 BJ**	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	**2.7**	**0.63 BJ**	**1.1**	**4.9**	**1.2**	<1.1	**1.6**	**2.2**	**2.5**	<1.1	<1	<1.1	**0.96 BJ**	<1.6	**0.85 BJ**	**1 BJ**	**1.5**	**2**	**2.5**	**2**	<1.1	<1	<0.96	<1.2	<1.2	500,000	50
o-Xylene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	**0.3 J**	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Styrene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
t 1,3 Dichloropropene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
t butylmethylether	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	500,000	930
Tetrachloroethene	<1	<1.1	<1.1	<1.3	**0.16 J**	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	**0.17 J**	<1.2	<1.1	<1.1	**0.37 J**	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	**0.25 J**	<0.96	<1.2	<1.2	150,000	1,300
Toluene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	**0.29 J**	<1.1	**0.21 J**	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	**0.32 J**	**0.38 J**	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	500,000	700
trans-1,2-Dichloroethene	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	500,000	190
Trichloroethylene	<1	<1.1	**0.17 J**	<1.3	<1.2	<1.1	<1.2	<1.1	**0.28 J**	<1.2	<1.1	<1.3	**0.28 J**	<1.2	<1.1	<1.1	**0.3 J**	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	**0.5 J**	<0.96	<1.2	<1.2	200,000	470
Trichlorofluoromethane	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	n/a	n/a
Vinyl Chloride	<1	<1.1	<1.1	<1.3	<1.2	<1.1	<1.2	<1.1	<1	<1.2	<1.1	<1.3	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.1	<1	<1.1	<1.3	<1.6	<1.2	<1.2	<1.1	<1.2	<1	<1	<1.1	<1	<0.96	<1.2	<1.2	13,000	20
1,2,3,4,5-Pentameth-1,3-cyclopentadiene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**19 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-Eethenyl-3-ethylbenzene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**14 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1-Hexyl-cyclohexene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**16 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,6,11-Trimethyldodecane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**13 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Butyl-1,1,3-Trimethylcyclohexane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**17 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Methylene-4,8,8-bicyclo[5.2.0]nonane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**12 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Methylnaphthalene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**13 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5-Methyl-2-(1-methylethyl-cyclohexanone (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**15 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Alpha-pinene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**8.6 JN !**	**88 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**23 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Benzene, (2-methyl-2-propenyl)- (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**12 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
beta-Pinene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**31 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**51 JN !**	n/a	n/a	n/a	n/a	n/a	n/a
cis,Trans,cis-1,2,3-trimethylcyclohexane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**14 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Decahydro-2-Methyl Naphthalene (TIC)	n/a	n/a	n/a

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Location	G-01		G-02		G-03		G-04		G-05		G-06		G-07		G-08		G-09		G-10		G-11		G-12			G-13		G-14		G-15		G-16		G-17			G-18		Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	28-32	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	8-12	Surf	0-1	Surf		
Date Collected	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	6/17/14	6/17/14	6/17/14	7/16/14	7/16/14	7/16/14	7/16/14	7/17/14	7/17/14	7/17/14	7/17/14	6/16/14	6/16/14	6/16/14	7/16/14	7/16/14	Commercial	Unrestricted
Time Collected	10:42 AM	10:41 AM	10:47 AM	10:46 AM	10:52 AM	10:51 AM	10:58 AM	10:57 AM	12:21 PM	12:20 PM	12:33 PM	12:32 PM	10:59 AM	10:58 AM	10:55 AM	10:54 AM	10:50 AM	10:48 AM	9:33 AM	9:32 AM	9:28 AM	9:27 AM	8:58 AM	10:29 AM	8:58 AM	9:13 AM	9:11 AM	9:05 AM	9:04 AM	9:21 AM	9:20 AM	9:17 AM	9:16 AM	8:50 AM	9:11 AM	8:45 AM	8:57 AM	8:56 AM		
1,1-Biphenyl	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
1,2,4,5-Tetrachlorobenzene	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2,3,4,6-Tetrachlorophenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2,4,5-Trichlorophenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2,4,6-Trichlorophenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2,4-Dichlorophenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2,4-Dimethylphenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2,4-Dinitrophenol	<3700	<760	<740	<750	<720	<720	<740	<780	<730	<780	<720	<730	<750	<740	<740	<750	<730	<750	<720	<720	<740	<770	<700	<4000	<700	<810	<2000	<3700	<790	<720	<730	<690	<700	<740	<780	<750	<720	<830	n/a	n/a
2,4-Dinitrotoluene	<370	<76	<74	<75	<72	<72	<74	<78	<73	<78	<72	<73	<75	<74	<74	<75	<73	<75	<72	<72	<74	<77	<70	<400	<70	<81	<200	<370	<79	<72	<73	<69	<70	<74	<78	<75	<72	<83	n/a	n/a
2,6-Dinitrotoluene	<370	<76	<74	<75	<72	<72	<74	<78	<73	<78	<72	<73	<75	<74	<74	<75	<73	<75	<72	<72	<74	<77	<70	<400	<70	<81	<200	<370	<79	<72	<73	<69	<70	<74	<78	<75	<72	<83	n/a	n/a
2-Chloronaphthalene	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2-Chlorophenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2-Methyl-4,6-dinitrophenol	<3700	<760	<740	<750	<720	<720	<740	<780	<730	<780	<720	<730	<750	<740	<740	<750	<730	<750	<720	<720	<740	<770	<700	<4000	<700	<810	<2000	<3700	<790	<720	<730	<690	<700	<740	<780	<750	<720	<830	n/a	n/a
2-Methylnaphthalene	<1800	<370	70 J	49 J	69 J	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	250 J	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2-Nitroaniline	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
2-Nitrophenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
3,3-Dichlorobenzidine	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
3-Nitroaniline	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
4-Bromophenyl-phenylether	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
4-Chloro-3-methylphenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
4-Chloroaniline	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
4-Chlorophenyl-phenylether	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
4-Nitroaniline	<3700	<760	<740	<750	<720	<720	<740	<780	<730	<780	<720	<730	<750	<740	<740	<750	<730	<750	<720	<720	<740	<770	<700	<4000	<700	<810	<2000	<3700	<790	<720	<730	<690	<700	<740	<780	<750	<720	<830	n/a	n/a
4-Nitrophenol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Acenaphthene	<1800	<370	280 J	100 J	90 J	<350	<370	<390	<360	<380	<360	<360	<370	96 J	<360	<370	<360	<370	<350	<350	<360	<380	100 J	2,700	<350	<400	<990	<1800	210 J	<350	<360	<340	<350	62 J	100 J	63 J	<350	<410	500,000	20,000
Acenaphthylene	<1800	<370	52 J	60 J	96 J	48 J	<370	68 J	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	110 J	250 J	46 J	<400	<990	<1800	320 J	<350	<360	<340	<350	82 J	<390	87 J	<350	<410	500,000	100,000
Acetophenone	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Anthracene	300 J	110 J	990	300 J	570	120 J	<370	82 J	82 J	<380	<360	45 J	130 J	280 J	<360	56 J	120 J	130 J	<350	<350	85 J	56 J	610	3,800	130 J	120 J	300 J	790 J	750	<350	<360	<340	<350	260 J	170 J	250 J	77 J	150 J	500,000	100,000
Atrazine	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Benzaldehyde	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Benzo(a)anthracene	1,200	650	4,300	1,500	1,600	520	240	420	310	310	190	280	990	1,700	300	460	510	880	<35	<35	510	400	4,200	8,500	1,300	730	1,400	3,400	2,900	80	240	36	95	1,700	620	1,800	570	950	5,600	1,000
Benzo(a)pyrene	1,300	800	3,900	1,800	1,400	580	290	500	330	420	240	330	960	1,700	340	510	520	840	57	60	530	450	4,000	7,900	1,500	820	1,600	3,100	3,000	99	260	60	150	1,900	950	2,000	640	1,100	1,000	1,000
Benzo(b)fluoranthene	1,600	1,100	5,600	2,500	1,700	770	360	670	450	570	340	440	1,400	2,300	440	710	690	1,300	63	73	720	630	6,600	11,000	2,600	1,100	2,200	3,800	4,100	120	360	60	210	2,300	1,400	2,600	840	1,500	5,600	1,000
Benzo(g,h,i)perylene	1400 J	550	2,500	1,200	1,100	410	230 J	340 J	230 J	390	210 J	290 J	900	1,500	300 J	470	350 J	560	34 J	35 J	450	400	830	2,100	400	530	990	3,300	2,200	63 J	210 J	46 J	150 J	550	230 J	600	630	1,100	500,000	100,000
Benzo(k)fluoranthene	630	460	2,100	990	690	330	160	220	200	240	150	170	530	1,100	190	270	250	430	26 J	30 J	250	220	2,500	3,900	870	450	880	1,500	1,400	38	160	28 J	93	810	470	940	340	510	56,000	800
bis(2-Chloroethoxy)methane	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
bis(2-Chloroethyl)ether	<180	<37	<36	<37	<35	<35	<37	<39	<36	<38	<36	<36	<37	<37	<36	<37	<36	<37	<35	<35	<36	<38	<34	<200	<35	<40	<99	<180	<39	<35	<36	<34	<35	<37	<39	<37	<35	<41	n/a	n/a
bis(2-Chloroisopropyl)ether	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
bis(2-Ethylhexyl)phthalate	<1800	<370	390	170 J	<350	<350	<370	<390	<360	<380	<360	<360	7,500	2,200	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	250 J	<340	<350	<370	410	<370	<350	160 J	n/a	n/a
Butylbenzylphthalate	<1800	<370	540	190 J	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	51 J	<340	<2000	<350	<400	<990	<1800	59 J	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Caprolactam	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Carbazole	<1800	53 J	420	140 J	240 J	57 J	<370	<390	44 J	<380	<360	<360	79 J	150 J	<360	<370	56 J	110 J	<350	<350	49 J	<380	140 J	430 J	86 J	50 J	120 J	220 J	340 J	<350	<360	<340	<350	65 J	89 J	59 J	51 J	100 J	n/a	n/a
Chrysene	1300 J	720	4,400	1,700	1,500	620	300 J	570	340 J	380	230 J	340 J	950	1,700	330 J	490	570	950	45 J	53 J	510	440	4,200	8,100	1,400	850	1,500	3,700	3,100	95 J	280 J	49 J	150 J	1,900	840	2,300	770	1,400	56,000	1,000
Dibenzo(a,h)anthracene	370	180	730	350	320	130	69	120	72	110	60	92	260	420	98	150	120	190	<35	<35	120	120	310	930	160	170	340	860	660	40	74	33 J	52	210	150	200	180	300	560	330
Dibenzofuran	<1800	<370	140 J	<370	180 J	<350	<370	<390	<360	<380	<360	<360	<370	47 J	<360	<370	<360	<370	<350	<350	<360	<380	<340	2,500	<350	<400	<990	<1800	91 J	<350	<360	<340	<350	<370	90 J	<370	<350	<410	350,000	7,000
Diethylphthalate	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Dimethylphthalate	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Di-n-butylphthalate	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	93 J	<2000	62 J	<400	<990	<1800	<390	<350	<360	<340	<350	50 J	65 J	69 J	<350	<410	n/a	n/a
Di-n-octylphthalate	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Fluoranthene	2,100	1,200	7,600	2,900	3,600	1,200	360 J	800	630	590	350 J	600	1,500	2,800	490	750	940	1,800	86 J	77 J	860	740	7,700	16,000	2,000	1,300	2,600	5,800	6,700	170 J	480	76 J	240 J	2,500	1,000	2,900	1,200	2,400	500,000	100,000
Fluorene	<1800	<370	310 J	86 J	140 J	<350	<370	<390	<360	<380	<360	<360	<370	92 J	<360	<370	<360	<370	<350	<350	<360	<380	110 J	3,700	<350	<400	<990	270 J	240 J	<350	<360	<340	<350	89 J	110 J	79 J	<350	52 J	500,000	30,000
Hexachlorobenzene	<180	<37	<36	<37	<35	<35	<37	<39	<36	<38	<36	<36	<37	<37	<36	<37	<36	<37	<35	<35	<36	<38	<34	<200	<35	<40	<99	<180	<39	<35	<36	<34	<35	<37	<39	<37	<35	<41	6,000	330
Hexachlorobutadiene	<370	<76	<74	<75	<72	<72	<74	<78	<73	<78	<72	<73	<75	<74	<74	<75	<73	<75	<72	<72	<74	<77	<70	<400	<70	<81	<200	<370	<79	<72	<73	<69	<70	<74	<78	<75	<72	<83	n/a	n/a
Hexachlorocyclopentadiene	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Hexachloroethane	<180	<37	<36	<37	<35	<35	<37	<39	<36	<38	<36	<36	<37	<37	<36	<37	<36	<37	<35	<35	<36	<38	<34	<200	<35	<40	<99	<180	<39	<35	<36	<34	<35	<37	<39	<37	<35	<41	n/a	n/a
Indeno(1,2,3-cd)pyrene	1,400	600	2,800	1,400	1,200	490	200	390	230	400	190	310	890	1,500	330	490	420	670	52	56	480	460	1,200	2,900	520	590	1,200	3,300	2,500	84	250	63	180	660	270	750	680	1,200	5,600	500
Isophorone	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
Naphthalene	<1800	<370	78 J	<370	120 J	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	75 J	<350	<360	<340	<350	<370	<390	43 J	<350	<410	500,000	12,000
Nitrobenzene	<180	<37	<36	<37	<35	<35	<37	<39	<36	<38	<36	<36	<37	<37	<36	<37	<36	<37	<35	<35	<36	<38	<34	<200	<35	<40	<99	<180	<39	<35	<36	<34	<35	<37	<39	<37	<35	<41	n/a	n/a
N-Nitrosodi-N-Propylamine	<180	<37	<36	<37	<35	<35	<37	<39	<36	<38	<36	<36	<37	<37	<36	<37	<36	<37	<35	<35	<36	<38	<34	<200	<35	<40	<99	<180	<39	<35	<36	<34	<35	<37	<39	<37	<35	<41	n/a	n/a
N-Nitrosodiphenylamine	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	n/a	n/a
o-cresol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	500,000	330
p-cresol	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	500,000	330
Pentachlorophenol	<3700	<760	<740	<750	<720	<720	<740	<780	<730	<780	<720	<730	<750	<740	<740	<750	<730	<750	<720	<720	<740	<770	<700	<4000	<700	<810	<2000	<3700	<790	<720	<730	<690	<700	<740	<780	<750	<720	<830	6,700	800
Phenanthrene	1200 J	440	3,700	1,100	2,600	510	130 J	190 J	360	180 J	120 J	200 J	570	1,200	200 J	260 J	440	680	<350	<350	400	240 J	2,000	9,500	600	470	1,100	2,900	2,500	61 J	160 J	<340	83 J	1,100	600	1,200	440	970	500,000	100,000
Phenol (total)	<1800	<370	<360	<370	<350	<350	<370	<390	<360	<380	<360	<360	<370	<370	<360	<370	<360	<370	<350	<350	<360	<380	<340	<2000	<350	<400	<990	<1800	<390	<350	<360	<340	<350	<370	<390	<370	<350	<410	500,000	330
Pyrene	1600 J	820	5,300	1,800	2,000	700	460	560	550	510	320 J	340 J	1,300	2,300	470	650	640	1,200	76 J	74 J	770	520	3,700	7,300	1,200	1,000	1,700	5,300	3,200	110 J	340 J	52 J	170 J	2,300	570	2,600	890	1,500	500,000	100,000
n-Octadecane (TIC)	n/a	n/a	n/a	n/a	n/a	470 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	650 JN !	n/a	n/a	n/a	n/a	n/a	n/a
.Beta.-sitosterol (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	960 JN !	n/a	n/a	n/a	n/a
.Gamma.-sitosterol (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1500 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1,7-Dimethylphenanthrene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	580 JN !	n/a	n/a	n/a	n/a	n/a	n/a
11H-Benzo[B]fluorine (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	340 JN !	1700 JN !	n/a	n/a	n/a	n/a	320 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a	420 JN !	n/a	n/a
11H-indeno[2,1-A]phenanthrene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	620 JN !	n/a	n/a	n/a	n/a	620 JN !	n/a	n/a	n/a	n/a	n/a
1-Methyl-anthracene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	820 JN !	n/a	n/a	n/a	n/a	n/a	n/a
1-Methyl-benz[A]anthracene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	490 JN !	n/a	n/a	n/a	n/a
2(1H)Naphthalenone, 3,5,6,7,8,8A-hexahyd (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	480 JN !	n/a	n/a	n/a	540 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,6,10,15-Tetramethylheptadecane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	420 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	480 JN !	n/a	n/a
2-Methyl phenanthrene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	930 JN !	n/a	n/a	n/a	n/a
2-Methylpyrene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	370 JN !	n/a	n/a	n/a	n/a	n/a	n/a
2-Pentanone, 4-Methoxy-4-Methyl- (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	470 JN !	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Location	G-01		G-02		G-03		G-04		G-05		G-06		G-07		G-08		G-09		G-10		G-11		G-12			G-13		G-14		G-15		G-16		G-17			G-18		Soil Cleanup Objectives[a]	
Depth (ft BGS)	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	28-32	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	Surf	0-1	8-12	Surf	0-1	Surf	Commercial	Unrestricted
Date Collected	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/16/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	7/17/14	6/17/14	6/17/14	6/17/14	7/16/14	7/16/14	7/16/14	7/16/14	7/17/14	7/17/14	7/17/14	7/17/14	6/16/14	6/16/14	6/16/14	7/16/14	7/16/14		
Time Collected	10:42 AM	10:41 AM	10:47 AM	10:46 AM	10:52 AM	10:51 AM	10:58 AM	10:57 AM	12:21 PM	12:20 PM	12:33 PM	12:32 PM	10:59 AM	10:58 AM	10:55 AM	10:54 AM	10:50 AM	10:48 AM	9:33 AM	9:32 AM	9:28 AM	9:27 AM	8:58 AM	10:29 AM	8:58 AM	9:13 AM	9:11 AM	9:05 AM	9:04 AM	9:21 AM	9:20 AM	9:17 AM	9:16 AM	8:50 AM	9:11 AM	8:45 AM	8:57 AM	8:56 AM		
4,4,6A,6B,8A,11,12,14B-octamethyl-1,4,4A (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**490 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4H-Cyclopenta[DEF]phenanthrene (TIC)	n/a	n/a	**920 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**390 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5-Butyl-docosane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**2800 JN !**	n/a	n/a	n/a	n/a
7-Methyl-benz[A]anthracene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**330 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9.Beta.,13.alpha.,14lanost-7-en-3-one (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**1100 JN !**	n/a	n/a	n/a	n/a
Anthanthrene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**500 JN !**	n/a
Benz[J]aceanthrylene, 3-methyl- (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**640 JN !**	n/a	n/a	n/a	n/a	n/a
Benzanthrone (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**300 JN !**	n/a	n/a	n/a	n/a	n/a	n/a
Benzo(A)fluorene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**420 JN !**	n/a	n/a	n/a	n/a
Benzo[A]fluoren-11-one (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**340 JN !**	n/a	n/a	n/a	n/a
Benzo[B]naphto[2,1-D]thiophen (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**340 JN !**	n/a	**380 JN !**	n/a	n/a	n/a	n/a
Benzo[B]triphenylene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**540 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Benzo[E]pyrene (TIC)	n/a	n/a	**960 JN !**	**1300 JN !**	n/a	n/a	n/a	**400 JN !**	n/a	n/a	n/a	**560 JN !**	n/a	n/a	n/a	n/a	n/a	**650 JN !**	n/a	n/a	**490 JN !**	n/a	**2600 JN !**	**4500 JN !**	**1200 JN !**	**600 JN !**	**1600 JN !**	n/a	**1200 JN !**	n/a	n/a	n/a	n/a	**480 JN !**	**1400 JN !**	**480 JN !**	**500 JN !**	**970 JN !**	n/a	n/a
Butyl hexadecanoate (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**380 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dibenzo(A,C)fluoren-13-one (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**630 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fluoranthene, 2-methyl- (TIC)	n/a	n/a	**410 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Heneicosane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**460 JN !**	n/a	n/a
Heptacosane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**1800 JN !**	n/a	n/a	n/a	n/a	n/a	n/a
Methyl chrysene (TIC)	n/a	n/a	**330 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Methyl pyrene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**330 JN !**	n/a	**370 JN !**	n/a	n/a	n/a	n/a
Methylanthracene, 2- (TiC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**780 JN !**	n/a	n/a	n/a	n/a	n/a	n/a
n-Docosane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**1500 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n-Hexadecane (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**960 JN !**	n/a	**540 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**460 JN !**	n/a	n/a	n/a	n/a
n-Octacosane (TIC)	n/a	n/a	n/a	n/a	**710 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**360 JN !**	n/a	n/a
Nonadecane (All Tics)	n/a	n/a	n/a	n/a	n/a	**420 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**480 JN !**	n/a	n/a	n/a	n/a
n-Tetracosane (All Tics)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**730 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Octadecanal (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**570 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P105 (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P115 (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P76 (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Perylene (TIC)	n/a	**620 JN !**	n/a	n/a	**1200 JN !**	**440 JN !**	n/a	n/a	n/a	n/a	n/a	**1100 JN !**	**1200 JN !**	n/a	n/a	n/a	**490 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**2700 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	**2400 JN !**	n/a	**510 JN !**	n/a	n/a
Phenanthrene, 2,5-dimethyl- (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**820 JN !**	n/a	n/a	n/a	n/a
Phenol, 4-(1,1,3,3-tetramethylbutyl)- (TIC)	**17000 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Picene (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**630 JN !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Triphenylene, 2-methyl- (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**330 JN !**	n/a	n/a	n/a	n/a	**460 JN !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 10th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**780 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 11th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**760 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 12th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**750 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 13th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**700 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 14th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**690 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 15th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**630 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 16th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**570 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 2nd Highest Conc. (TIC)	**16000 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**440 J !**	n/a	**620 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**500 J !**	n/a	n/a	**1200 J !**	n/a	n/a	n/a	n/a	**910 J !**	**6200 J !**	n/a	**430 J !**	n/a	n/a
Unknown SVOC with 3rd Highest Conc. (TIC)	**12000 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**530 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**620 J !**	n/a	n/a	n/a	n/a	**760 J !**	**2200 J !**	n/a	n/a	n/a	n/a
Unknown SVOC with 4th Highest Conc. (TIC)	**12000 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**510 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**560 J !**	n/a	n/a	n/a	n/a	**500 J !**	**2000 J !**	n/a	n/a	n/a	n/a
Unknown SVOC with 5th Highest Conc. (TIC)	**11000 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**470 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**490 J !**	n/a	n/a	n/a	n/a	**480 J !**	**1800 J !**	n/a	n/a	n/a	n/a
Unknown SVOC with 6th Highest Conc. (TIC)	**9800 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**1600 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 7th Highest Conc. (TIC)	**6200 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**1300 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 8th Highest Conc. (TIC)	**2200 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**980 J !**	n/a	n/a	n/a	n/a	n/a
Unknown SVOC with 9th Highest Conc. (TIC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**800 J !**	n/a	n/a	n/a	n/a	n/a
Unknown semivolatile with highest conc. (TIC)	**23000 J !**	n/a	**300 J !**	**590 J !**	**370 J !**	**550 J !**	**330 J !**	n/a	n/a	**860 J !**	n/a	**820 J !**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**280 J !**	n/a	**410 J !**	**500 J !**	n/a	n/a	**2100 J !**	n/a	n/a	n/a	n/a	**910 J !**	**6300 J !**	**940 J !**	n/a	**500 J !**	n/a	n/a
Calculated Total SVOC's	123,600	8,303	51,920	20,225	20,785	9,075	3,129	5,810	3,828	5,890	2,400	7,487	19,059	22,675	4,058	5,266	6,116	10,810	439	458	6,224	4,727	42,913	97,960	15,754	9,780	20,530	38,240	46,755	960	3,064	503	1,953	27,968	39,394	32,070	8,168	17,162	n/a	n/a

Notes:
n/a - not applicable / not analyzed
B - Analyte was detected in associated lab blank
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a, b)
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO
- value exceeds both 6 NYCRR 375-6.8 (a,b) commercial and unrestricted use SCO's

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

2014 Remedial Investigation Soil Analytical Results (mg/Kg)
TestAmerica, Inc.
Methods: SW6010C, SW7471B

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Location	Depth (ft BGS)	Date Collected	Time Collected	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium (total)	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
G-01	0-1	7/16/2014	10:42 AM	4,180	<3.8	2.7 J	58.1	<0.38	<0.76	8,850	13.8	2 J	26.5	6,790	65.3	1,270	116	0.12	8.2	286 J	<3.8	<1.9	<952	<3.8	10.9	109
	surf	7/16/2014	10:41 AM	2,930	<4.2	2 J	30 J	<0.42	<0.84	1,590	14.4	1.7 J	12.8	15,700	32.1	768 J	141	0.07	10.8	142 J	<4.2	<2.1	<1050	<4.2	8.2 J	49.4
G-02	0-1	7/16/2014	10:47 AM	4,320	<3.9	4.4	78.4	<0.39	0.29 J	6,460	12.7	2.5 J	43.7	8,150	94.5	1,840	111	0.24	9.3	367 J	<3.9	<2	<979	<3.9	14.6	131
	surf	7/16/2014	10:46 AM	4,800	<3.9	3.7	72.1	<0.39	2.2	7,380	11.8	2.6 J	29.9	8,430	91.8	2,370	134	0.14	10	449 J	<3.9	<2	<977	<3.9	15.8	130
G-03	0-1	7/16/2014	10:52 AM	2,990	<3.8	2.4 J	25.6 J	<0.38	<0.76	1,370	8	1.9 J	8	7,090	77.2	681 J	80.9	0.05	3.9 J	141 J	<3.8	<1.9	<947	<3.8	8.5 J	51.4
	surf	7/16/2014	10:51 AM	2,160	<4.1	1.1 J	19.1 J	<0.41	<0.82	1,240	5.8	1.2 J	7.2	4,900	28.2	633 J	70.7	0.03	3.5 J	157 J	<4.1	<2.1	<1030	<4.1	5.6 J	46.1
G-04	0-1	7/16/2014	10:58 AM	2,200	<4	1 J	13.1 J	<0.4	<0.81	3,670	4.9	1.1 J	4.9 J	4,750	19.7	2,120	53.6	0.08	3 J	128 J	<4	<2	<1010	<4	5.5 J	25.4
	surf	7/16/2014	10:57 AM	4,530	<4.3	2.4 J	29.8 J	<0.43	<0.85	3,400	11.1	1.9 J	12.7	7,590	46.2	2,190	77.7	0.07	5.1 J	217 J	<4.3	<2.1	<1060	<4.3	11	65.5
G-05	0-1	7/16/2014	12:21 PM	4,990	<3.9	1.6 J	16.4 J	<0.39	<0.78	747 J	7.1	1.9 J	5.8	7,580	9.5	757 J	80.8	0.04	4.3 J	260 J	<3.9	<1.9	<971	<3.9	9.1 J	19.2
	surf	7/16/2014	12:20 PM	6,940	<4	3.1	31.8 J	<0.4	<0.79	1,160	10.6	2.5 J	11	10,600	25.1	1,010	105	0.08	6.5 J	350 J	<4	<2	<989	<4	13.5	42.2
G-06	0-1	7/16/2014	12:33 PM	3,140	<4.1	1.7 J	13.7 J	<0.41	<0.82	2,230	13.7	1.6 J	6.9	7,020	10.7	1,330	76.9	0.04	4.6 J	183 J	<4.1	<2.1	<1030	<4.1	8 J	22
	surf	7/16/2014	12:32 PM	2,810	<4.2	1.2 J	13.3 J	<0.42	<0.84	671 J	7	1.5 J	8	5,380	13	580 J	75.4	0.02	4.4 J	202 J	<4.2	<2.1	<1060	<4.2	6.1 J	29.2
G-07	0-1	7/17/2014	10:59 AM	4,900	<4	2.4 J	24.8 J	<0.4	<0.81	10,500	10.2	2.1 J	8.8	8,150	22.3	1,340	92	0.08	5.6 J	199 J	<4	<2	<1010	<4	12	32.3
	surf	7/17/2014	10:58 AM	4,360	<4	2 J	25 J	<0.4	<0.79	6,410	10.5	2 J	7.1	7,400	18.8	1,060	102	0.11	5 J	310 J	<4	<2	<990	<4	11.9	30.5
G-08	0-1	7/17/2014	10:55 AM	6,440	<4.4	3.7	26.2 J	<0.44	<0.88	1,700	15.9	2.9 J	6.9	12,300	15.2	986 J	171	0.05	5.5 J	300 J	<4.4	<2.2	<1100	<4.4	13.6	24.7
	surf	7/17/2014	10:54 AM	4,620	<4.2	2.5 J	26 J	<0.42	<0.84	2,900	9.5	2.3 J	8.1	9,320	20.5	1,110	138	0.08	5.3 J	265 J	<4.2	<2.1	<1050	<4.2	9.9 J	32
G-09	0-1	7/17/2014	10:50 AM	5,030	<3.9	2.8 J	34 J	<0.39	0.53 J	4,000	28.3	2.2 J	15.2	11,000	36	824 J	102	0.1	7.1 J	204 J	<3.9	2	<970	<3.9	17.3	51.5
	surf	7/17/2014	10:48 AM	4,310	<4.2	1.9 J	39.8 J	<0.42	<0.84	2,810	14.9	2 J	15.6	8,050	55.9	963 J	100	0.08	6.6 J	241 J	<4.2	0.43 J	<1050	<4.2	10.6	70.5
G-10	0-1	7/17/2014	9:33 AM	4,370	<3.8	1.2 J	15 J	<0.38	<0.76	133 J	7	3.9 J	4.7 J	9,960	5.6	654 J	365	0.02	5.1 J	210 J	<3.8	<1.9	<954	<3.8	8.3 J	14.7
	surf	7/17/2014	9:32 AM	3,300	<4.2	1 J	14.5 J	<0.42	<0.83	194 J	5.4	4.1 J	4.6 J	7,750	4.5	551 J	363	0.02 J	4.6 J	176 J	<4.2	<2.1	<1040	<4.2	7.1 J	14.1
G-11	0-1	7/17/2014	9:28 AM	2,730	<4.2	1.5 J	11.5 J	<0.42	<0.85	921 J	6.2	1.1 J	5.2 J	4,490	9.3	475 J	48.7	0.08	2.9 J	163 J	<4.2	<2.1	<1060	<4.2	6 J	13.8
	surf	7/17/2014	9:27 AM	3,850	<4.2	1.1 J	18.6 J	<0.42	<0.84	2,440	10.1	3.5 J	58.7	12,400	13.9	881 J	102	0.07	3.4 J	435 J	<4.2	<2.1	<1050	<4.2	7.7 J	32.4
G-12	0-1	6/17/2014	8:58 AM	5,200	<4.1	3.5	21.7 J	<0.41	<0.82	3,940	15.9	2.2 J	10.1	8,710	31.6	1,310	102	0.28	5.8 J	295 J	<4.1	<2	<1020	<4.1	15	56.8
	28-32	6/17/2014	10:29 AM	2,930	<4.2	1.4 J	15.2 J	<0.42	<0.84	3,260	10.5	1 J	5.8	3,640	20.9	1,730	26.8	0.02	2.7 J	140 J	<4.2	<2.1	<1050	<4.2	9.2 J	24.4
	surf	6/17/2014	8:58 AM	4,330	<3.7	2.9	19.3 J	<0.37	<0.74	5,140	14	2.7 J	9.5	7,890	26.7	1,980	111	0.7	5.5 J	263 J	<3.7	<1.9	<929	<3.7	13.2	64.7
G-13	0-1	7/16/2014	9:13 AM	5,350	<4.4	3.7	41.9 J	<0.44	0.38 J	4,700	16.8	2.7 J	19.3	9,220	58.5	1,190	133	0.15	7.4 J	307 J	<4.4	<2.2	<1100	<4.4	14	79.4
	surf	7/16/2014	9:11 AM	11,000	<5.9	7.2	115	<0.59	1.2	14,400	34.4	5.3 J	55.3	15,000	177	2,930	250	0.48	16.7	711 J	<5.9	0.73 J	<1460	<5.9	29.8	229
G-14	0-1	7/16/2014	9:05 AM	4,680	<4	6.3	97.5	<0.4	0.41 J	11,500	13.3	3.2 J	50.4	12,800	130	1,780	214	0.17	12.7	308 J	<4	<2	<992	<4	18.9	154
	surf	7/16/2014	9:04 AM	6,020	<4.7	4.4	114	<0.47	0.37 J	10,000	14.1	3.1 J	47.2	11,400	141	2,780	162	0.2	13.3	525 J	<4.7	<2.3	<1160	<4.7	19.3	170
G-15	0-1	7/17/2014	9:21 AM	3,790	<4	<3	10.5 J	<0.4	<0.8	206 J	7.5	2.5 J	4.2 J	5,560	5.2	551 J	101	0.03	4 J	176 J	<4	<2	<1000	<4	6.7 J	12.7
	surf	7/17/2014	9:20 AM	3,000	<4.3	0.92 J	11.2 J	<0.43	<0.86	366 J	11	1.4 J	6.4	5,280	8.9	530 J	80.6	0.03	3.7 J	154 J	<4.3	0.58 J	<1070	<4.3	5.9 J	24.2
G-16	0-1	7/17/2014	9:17 AM	1,280	<4	1.2 J	5.5 J	<0.4	<0.8	244 J	3.7	1 J	3.2 J	3,340	3.7	246 J	41.8	<0.016	2.1 J	99.8 J	<4	<2	<1000	<4	3.2 J	16.9
	surf	7/17/2014	9:16 AM	2,410	<3.9	1.1 J	10.9 J	<0.39	<0.79	288 J	5.7	1.5 J	4.8 J	5,080	7	539 J	75.6	<0.016	3.3 J	202 J	<3.9	<2	<983	<3.9	5.7 J	16.3
G-17	0-1	6/16/2014	8:50 AM	6,280	<4.2	2.6 J	25.6 J	<0.42	<0.85	2,030	15.1	4 J	8.9	10,000	20.5	1,060	147	0.05	7.1 J	402 J	<4.2	<2.1	<1060	<4.2	12.8	37.7
	8-12	6/16/2014	9:11 AM	5,960	<4.2	2.7 J	26.8 J	<0.42	1.6	1,620	765	2.2 J	31.6	6,930	78.3	735 J	78.8	0.2	7.6 J	226 J	<4.2	15.7	<1050	<4.2	13.1	62.2
	surf	6/16/2014	8:45 AM	6,230	<4.2	6.5	24.7 J	<0.42	<0.84	2,860	17.9	2.9 J	9.1	10,500	21.4	1,570	152	0.05	6.2 J	467 J	<4.2	<2.1	<1050	<4.2	14.1	43.3
G-18	0-1	7/16/2014	8:57 AM	4,480	<3.7	3.5	30.6 J	<0.37	0.36 J	2,250	38.6	2.6 J	15.7	14,700	41.9	1,200	148	0.06	19.3	263 J	<3.7	0.44 J	<921	<3.7	13.5	120
	surf	7/16/2014	8:56 AM	4,210	<4.8	2.1 J	32.8 J	<0.48	0.56 J	2,370	22.3	2.3 J	19.2	8,040	66.9	1070 J	92.4	0.1	6.6 J	273 J	<4.8	0.47 J	<1210	<4.8	12.1	181
Soil Cleanup Objectives[a]	Commercial			n/a	n/a	16	400	590	9.3	n/a	1,500[b]	n/a	270	n/a	1,000	n/a	10,000	2.8	310	n/a	1,500	1,500	n/a	n/a	n/a	10,000
	Unrestricted			n/a	n/a	13	350	7.2	2.5	n/a	30[b]	n/a	50	n/a	63	n/a	1,600	0.18	30	n/a	3.9	2	n/a	n/a	n/a	109

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - 6 NYCRR 375-6.8 (a, b)
[b] - SCO's for trivalent chromium are presented
- value exceeds 6 NYCRR 375-6.8 (a,b) unrestricted use SCO

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

2014 Remedial Investigation Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8081B

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Location	Depth (ft BGS)	Date Collected	Time Collected	4,4,-DDT	4,4-DDD	4,4-DDE	a BHC	Aldrin	b BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin ketone	Gamma-BHC(Lindane)	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
G-01	0-1	7/16/2014	10:42 AM	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75
	surf	7/16/2014	10:41 AM	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<76	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<7.6	<76
G-02	0-1	7/16/2014	10:47 AM	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74
	surf	7/16/2014	10:46 AM	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75
G-03	0-1	7/16/2014	10:52 AM	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72
	surf	7/16/2014	10:51 AM	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72
G-04	0-1	7/16/2014	10:58 AM	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74
	surf	7/16/2014	10:57 AM	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<78	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<78
G-05	0-1	7/16/2014	12:21 PM	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73
	surf	7/16/2014	12:20 PM	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<78	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<78
G-06	0-1	7/16/2014	12:33 PM	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72
	surf	7/16/2014	12:32 PM	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73
G-07	0-1	7/17/2014	10:59 AM	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75
	surf	7/17/2014	10:58 AM	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74
G-08	0-1	7/17/2014	10:55 AM	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74
	surf	7/17/2014	10:54 AM	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75
G-09	0-1	7/17/2014	10:50 AM	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73
	surf	7/17/2014	10:48 AM	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75
G-10	0-1	7/17/2014	9:33 AM	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72
	surf	7/17/2014	9:32 AM	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72
G-11	0-1	7/17/2014	9:28 AM	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74
	surf	7/17/2014	9:27 AM	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<77	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<7.7	<77
G-12	0-1	6/17/2014	8:58 AM	<7	<7	<7	<7	<7	<7	<70	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<70
	28-32	6/17/2014	10:29 AM	<8	<8	<8	<8	<8	<8	<80	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<80
	surf	6/17/2014	8:58 AM	<7	<7	<7	<7	<7	<7	<70	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<70
G-13	0-1	7/16/2014	9:13 AM	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<81	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<8.1	<81
	surf	7/16/2014	9:11 AM	<10	<10	<10	<10	<10	<10	<100	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100
G-14	0-1	7/16/2014	9:05 AM	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74
	surf	7/16/2014	9:04 AM	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<78	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<78
G-15	0-1	7/17/2014	9:21 AM	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72
	surf	7/17/2014	9:20 AM	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<7.3	<73
G-16	0-1	7/17/2014	9:17 AM	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<69	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<6.9	<69
	surf	7/17/2014	9:16 AM	<7	<7	<7	<7	<7	<7	<70	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<70
G-17	0-1	6/16/2014	8:50 AM	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<7.4	<74
	8-12	6/16/2014	9:11 AM	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<79	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<7.9	<79
	surf	6/16/2014	8:45 AM	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<75
G-18	0-1	7/16/2014	8:57 AM	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<7.2	<72
	surf	7/16/2014	8:56 AM	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<83	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<8.3	<83

Soil Cleanup Objectives[a]	Commercial	47,000	92,000	62,000	3,400	680	3,000	n/a	500,000	1,400	200,000	200,000	200,000	89,000	n/a	n/a	9,200	15,000	n/a	n/a	n/a
	Unrestricted	3.3	3.3	3.3	20	5	36	n/a	40	5	2,400	2,400	2,400	14	n/a	n/a	100	42	n/a	n/a	n/a

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a, b)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW8082A

Location	BAW-06C	MW-1	MW-1A	MW-2	MW-3	MW-4	TOGS111 ClassGA Standard[a]	TOGS111 ClassGA Guidance[a]
Depth (ft BGS)	20-30	40-50	-	19-29	20-30	22-32		
Date Collected	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014		
Time Collected	1:35 PM	9:36 AM	10:25 AM	11:23 AM	12:10 PM	12:55 PM		
Aroclor 1016	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1221	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1232	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1242	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1248	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1254	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1260	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1262	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Aroclor 1268	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	n/a	n/a
Polychlorinated biphenyls (total)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	5	n/a

[a] - TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values, Class GA (groundwater)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW8260C

Location	BAW-06C	MW-1	MW-1A	MW-2	MW-3	MW-4	TOGS111 ClassGA Standard[a]	TOGS111 ClassGA Guidance[a]
Depth (ft BGS)	20-30	40-50	-	19-29	20-30	22-32		
Date Collected	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014		
Time Collected	1:35 PM	9:36 AM	10:25 AM	11:23 AM	12:10 PM	12:55 PM		
1,1 Dichloroethane	<1	<1	<1	<1	<1	<1	5	n/a
1,1 Dichloroethene	<1	<1	<1	<1	<1	<1	5	n/a
1,1,1 Trichloroethane	<1	<1	<1	<1	<1	<1	5	n/a
1,1,2 Trichloroethane	<1	<1	<1	<1	<1	<1	1	n/a
1,1,2,2 Tetrachloroethane	<1	<1	<1	<1	<1	<1	5	n/a
1,2 Dibromoethane	<1	<1	<1	<1	<1	<1	0.001	n/a
1,2 Dichlorobenzene	<1	<1	<1	<1	<1	<1	3	n/a
1,2 Dichloroethane	<1	<1	<1	<1	<1	<1	0.6	n/a
1,2 Dichloropropane	<1	<1	<1	<1	<1	<1	1	n/a
1,2,3 Trichlorobenzene	<1	<1	<1	<1	<1	<1	5	n/a
1,2,4 Trichlorobenzene	<1	<1	<1	<1	<1	<1	5	n/a
1,3 Dichlorobenzene	<1	<1	<1	<1	<1	<1	3	n/a
1,4 Dichlorobenzene	<1	<1	<1	<1	<1	<1	3	n/a
1,4-Dioxane	<50	<50	<50	<50	<50	<50	n/a	n/a
2-Hexanone	<5	<5	<5	<5	<5	<5	n/a	50
4-Methyl-2-Pentanone	<5	<5	<5	<5	<5	<5	n/a	n/a
Acetone	<5	<5	<5	<5	<5	<5	n/a	50
Benzene	<1	<1	<1	0.1 J	<1	0.17 J	1	n/a
Bromochloromethane	<1	<1	<1	<1	<1	<1	5	n/a
Bromodichloromethane	<1	<1	<1	<1	<1	<1	n/a	50
Bromoform	<1	<1	<1	<1	<1	<1	n/a	50
Bromomethane	<1	<1	<1	<1	<1	<1	5	n/a
c 1,3 Dichloropropene	<1	<1	<1	<1	<1	<1	n/a	n/a
Carbon Disulfide	<1	<1	<1	<1	<1	<1	n/a	60
Carbon Tetrachloride	<1	<1	<1	<1	<1	<1	5	n/a
Chlorobenzene	<1	<1	<1	0.32 J	<1	<1	5	n/a
Chloroethane	<1	<1	<1	<1	<1	<1	5	n/a
Chloroform	<1	0.17 J	<1	<1	<1	0.16 J	7	n/a
Chloromethane	<1	<1	<1	<1	<1	<1	5	n/a
cis-1,2-Dichloroethene	<1	<1	1	<1	0.62 J	0.53 J	5	n/a
Cyclohexane	<1	<1	<1	0.17 J	<1	<1	n/a	n/a
Cyclohexane, methyl-	<1	<1	<1	0.18 J	<1	<1	n/a	n/a
Dibromochloromethane	<1	<1	<1	<1	<1	<1	n/a	50
Dibromochloropropane	<1	<1	<1	<1	<1	<1	0.04	n/a
Dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	5	n/a
Ethylbenzene	<1	<1	<1	<1	<1	0.23 J	5	n/a
Freon 113	<1	<1	<1	<1	<1	<1	5	n/a
Isopropylbenzene	<1	<1	<1	<1	<1	<1	5	n/a
m + p Xylene	<1	<1	<1	<1	<1	<1	5*	n/a
Methyl acetate	<5	<5	<5	<5	<5	<5	n/a	n/a
Methyl Ethyl Ketone	<5	<5	<5	<5	<5	<5	n/a	50
Methylene Chloride	<1	<1	<1	<1	<1	<1	5	n/a

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW8260C

Location	BAW-06C	MW-1	MW-1A	MW-2	MW-3	MW-4	TOGS111 ClassGA Standard[a]	TOGS111 ClassGA Guidance[a]
Depth (ft BGS)	20-30	40-50	-	19-29	20-30	22-32		
Date Collected	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014		
Time Collected	1:35 PM	9:36 AM	10:25 AM	11:23 AM	12:10 PM	12:55 PM		
o-Xylene	<1	<1	<1	<1	<1	<1	5	n/a
Styrene	<1	<1	<1	<1	<1	0.27 J	5	n/a
t 1,3 Dichloropropene	<1	<1	<1	<1	<1	<1	n/a	n/a
t butylmethylether	<1	<1	<1	0.76 J	0.29 J	<1	n/a	10
Tetrachloroethene	0.56 J	0.57 J	0.63 J	<1	6	1.1	5	n/a
Toluene	<1	0.23 J	<1	0.17 J	<1	<1	5	n/a
trans-1,2-Dichloroethene	<1	<1	<1	<1	<1	0.33 J	5	n/a
Trichloroethylene	0.89 J	0.15 J	0.59 J	<1	2.4	0.34 J	5	n/a
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	5	n/a
Vinyl Chloride	<1	<1	<1	<1	<1	0.54 J	2	n/a
Calculated								
Total VOC's	1.45	1.12	2.22	1.7	9.31	3.67	n/a	n/a
Total BTEX	<5	0.23	<5	0.27	<5	0.4	n/a	n/a

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
* - standard applies to both isomers separately
[a] - TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values, Class GA (groundwater)
- value exceeds TOGS standard/guidance value

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW8270D

Location	BAW-06C	MW-1	MW-1A	MW-2	MW-3	MW-4	TOGS111 ClassGA Standard[a]	TOGS111 ClassGA Guidance[a]
Depth (ft BGS)	20-30	40-50	-	19-29	20-30	22-32		
Date Collected	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014		
Time Collected	1:35 PM	9:36 AM	10:25 AM	11:23 AM	12:10 PM	12:55 PM		
1,1-Biphenyl	<10	<10	<10	<10	<10	<10	**5**	n/a
1,2,4,5-Tetrachlorobenzene	<10	<10	<10	<10	<10	<10	n/a	n/a
2,3,4,6-Tetrachlorophenol	<10	<10	<10	<10	<10	<10	n/a	n/a
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	n/a	n/a
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	n/a	n/a
2,4-Dichlorophenol	<10	<10	<10	<10	<10	<10	**5**	n/a
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	n/a	**50**
2,4-Dinitrophenol	<30	<30	<30	<30	<30	<30	n/a	**10**
2,4-Dinitrotoluene	<2	<2	<2	<2	<2	<2	**5**	n/a
2,6-Dinitrotoluene	<2	<2	<2	<2	<2	<2	n/a	n/a
2-Chloronaphthalene	<10	<10	<10	<10	<10	<10	n/a	**10**
2-Chlorophenol	<10	<10	<10	<10	<10	<10	n/a	n/a
2-Methyl-4,6-dinitrophenol	<30	<30	<30	<30	<30	<30	n/a	n/a
2-Methylnaphthalene	<10	<10	<10	<10	<10	<10	n/a	n/a
2-Nitroaniline	<20	<20	<20	<20	<20	<20	**5**	n/a
2-Nitrophenol	<10	<10	<10	<10	<10	<10	n/a	n/a
3,3-Dichlorobenzidine	<20	<20	<20	<20	<20	<20	**5**	n/a
3-Nitroaniline	<20	<20	<20	<20	<20	<20	**5**	n/a
4-Bromophenyl-phenylether	<10	<10	<10	<10	<10	<10	n/a	n/a
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	n/a	n/a
4-Chloroaniline	<1	<1	<1	<1	<1	<1	**5**	n/a
4-Chlorophenyl-phenylether	<10	<10	<10	<10	<10	<10	n/a	n/a
4-Nitroaniline	<20	<20	<20	<20	<20	<20	**5**	n/a
4-Nitrophenol	<30	<30	<30	<30	<30	<30	n/a	n/a
Acenaphthene	<10	<10	<10	**3.1 J**	<10	<10	n/a	**20**
Acenaphthylene	<10	<10	<10	<10	<10	<10	n/a	n/a
Acetophenone	<10	<10	<10	<10	<10	<10	n/a	n/a
Anthracene	<10	<10	<10	<10	<10	<10	n/a	**50**
Atrazine	<10	<10	<10	<10	<10	<10	**7.5**	n/a
Benzaldehyde	<10	<10	<10	<10	<10	<10	n/a	n/a
Benzo(a)anthracene	<1	<1	<1	<1	<1	<1	n/a	**0.002**
Benzo(a)pyrene	<1	<1	<1	<1	<1	<1	n/a	n/a
Benzo(b)fluoranthene	<1	<1	<1	<1	<1	<1	n/a	**0.002**
Benzo(g,h,i)perylene	<10	<10	<10	<10	<10	<10	n/a	n/a
Benzo(k)fluoranthene	<1	<1	<1	<1	<1	<1	n/a	**0.002**
bis(2-Chloroethoxy)methane	<10	<10	<10	<10	<10	<10	**5**	n/a
bis(2-Chloroethyl)ether	<1	<1	<1	<1	<1	<1	**1**	n/a
bis(2-Chloroisopropyl)ether	<10	<10	<10	<10	<10	<10	**5**	n/a
bis(2-Ethylhexyl)phthalate	<10	<10	<10	<10	<10	<10	**5**	n/a
Butylbenzylphthalate	<10	<10	<10	<10	<10	<10	n/a	**50**
Caprolactam	<10	<10	<10	<10	<10	<10	n/a	n/a
Carbazole	<10	<10	<10	<10	<10	<10	n/a	n/a
Chrysene	<10	<10	<10	<10	<10	<10	n/a	**0.002**
Dibenzo(a,h)anthracene	<1	<1	<1	<1	<1	<1	n/a	n/a

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW8270D

Location	BAW-06C	MW-1	MW-1A	MW-2	MW-3	MW-4	TOGS111 ClassGA Standard[a]	TOGS111 ClassGA Guidance[a]
Depth (ft BGS)	20-30	40-50	-	19-29	20-30	22-32		
Date Collected	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014		
Time Collected	1:35 PM	9:36 AM	10:25 AM	11:23 AM	12:10 PM	12:55 PM		
Dibenzofuran	<10	<10	<10	<10	<10	<10	n/a	n/a
Diethylphthalate	<10	<10	<10	<10	<10	<10	n/a	**50**
Dimethylphthalate	<10	<10	<10	<10	<10	<10	n/a	**50**
Di-n-butylphthalate	<10	<10	<10	<10	<10	<10	**50**	n/a
Di-n-octylphthalate	<10	<10	<10	<10	<10	<10	n/a	**50**
Fluoranthene	<10	<10	<10	<10	<10	<10	n/a	**50**
Fluorene	<10	<10	<10	**1.9 J**	<10	<10	n/a	**50**
Hexachlorobenzene	<1	<1	<1	<1	<1	<1	**0.04**	n/a
Hexachlorobutadiene	<2	<2	<2	<2	<2	<2	**0.5**	n/a
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	**5**	n/a
Hexachloroethane	<1	<1	<1	<1	<1	<1	**5**	n/a
Indeno(1,2,3-cd)pyrene	<1	<1	<1	<1	<1	<1	n/a	**0.002**
Isophorone	<10	<10	<10	<10	<10	<10	n/a	**50**
Naphthalene	<10	<10	<10	<10	<10	<10	n/a	**10**
Nitrobenzene	<1	<1	<1	<1	<1	<1	**0.4**	n/a
N-Nitrosodi-N-Propylamine	<1	<1	<1	<1	<1	<1	n/a	n/a
N-Nitrosodiphenylamine	<10	<10	<10	<10	<10	<10	n/a	**50**
o-cresol	<10	<10	<10	<10	<10	<10	n/a	n/a
p-cresol	<10	<10	<10	<10	<10	<10	n/a	n/a
Pentachlorophenol	<30	<30	<30	<30	<30	<30	**1.5**	n/a
Phenanthrene	<10	<10	<10	<10	<10	<10	n/a	**50**
Phenol (total)	<10	<10	<10	<10	<10	<10	**1**	n/a
Pyrene	<10	<10	<10	<10	<10	<10	n/a	**50**
Calculated Total SVOC's	<658	<658	<658	**5**	<658	<658	n/a	n/a

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values, Class GA (groundwater)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW6010C, SW7470A

Location	BAW-06C	MW-1	MW-1A	MW-2	MW-3	MW-4	TOGS111 ClassGA Standard[a]	TOGS111 ClassGA Guidance[a]
Depth (ft BGS)	20-30	40-50	-	19-29	20-30	22-32		
Date Collected	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014		
Time Collected	1:35 PM	9:36 AM	10:25 AM	11:23 AM	12:10 PM	12:55 PM		
Aluminum	<200	<200	106 J	128 J	<200	255	n/a	n/a
Antimony	<20	<20	<20	<20	<20	<20	3	n/a
Arsenic	<15	<15	4.9 J	<15	<15	<15	25	n/a
Barium	23.3 J	57.7 J	71.3 J	114 J	32 J	16.9 J	1,000	n/a
Beryllium	<2	<2	<2	<2	<2	<2	n/a	3
Cadmium	<4	<4	<4	<4	<4	<4	5	n/a
Calcium	48,700	25,800	48,100	150,000	59,200	39,400	n/a	n/a
Chromium (total)	<10	11.3	<10	6 J	<10	<10	50	n/a
Cobalt	<50	<50	<50	<50	<50	<50	n/a	n/a
Copper	<25	<25	<25	<25	<25	<25	200	n/a
Iron	69.6 J	<150	6,070	14,300	<150	6,900	300	n/a
Lead	<10	<10	<10	<10	<10	<10	25	n/a
Magnesium	4170 J	4020 J	5,050	9,440	5,480	2170 J	n/a	35,000
Manganese	67	<15	1,040	713	187	1,160	300	n/a
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	n/a
Nickel	<40	<40	<40	<40	<40	<40	100	n/a
Potassium	3160 J	2960 J	3290 J	10,100	6,320	3500 J	n/a	n/a
Selenium	<20	<20	<20	<20	<20	<20	10	n/a
Silver	<10	<10	<10	<10	<10	<10	50	n/a
Sodium	14,700	24,000	17,900	14,800	18,000	14,900	20,000	n/a
Thallium	<20	<20	<20	<20	<20	<20	n/a	0.5
Vanadium	<50	<50	<50	<50	<50	<50	n/a	n/a
Zinc	<30	<30	8 J	7.7 J	6.6 J	<30	n/a	2,000

Notes:
J - Indicates an estimated value below laboratory reporting limits
[a] - TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values, Class GA (groundwater)
- value exceeds TOGS standard/guidance value

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW8081B

Location	BAW-06C	MW-1	MW-1A	MW-2	MW-3	MW-4	TOGS111 ClassGA Standard[a]	TOGS111 ClassGA Guidance[a]
Depth (ft BGS)	20-30	40-50	-	19-29	20-30	22-32		
Date Collected	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014	7/28/2014		
Time Collected	1:35 PM	9:36 AM	10:25 AM	11:23 AM	12:10 PM	12:55 PM		
4,4,-DDT	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.2**	n/a
4,4-DDD	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.3**	n/a
4,4-DDE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.2**	n/a
a BHC	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.01**	n/a
Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	n/a	n/a
b BHC	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.04**	n/a
Chlordane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.05**	n/a
delta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.04**	n/a
Dieldrin	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	n/a	n/a
Endosulfan I	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	n/a	n/a
Endosulfan II	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	n/a	n/a
Endosulfan Sulfate	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	n/a	n/a
Endrin	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	n/a	n/a
Endrin Aldehyde	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**5**	n/a
Endrin ketone	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**5**	n/a
Gamma-BHC(Lindane)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.05**	n/a
Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.04**	n/a
Heptachlor Epoxide	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.03**	n/a
Methoxychlor	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**35**	n/a
Toxaphene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.06**	n/a

[a] - TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values, Class GA (groundwater)

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

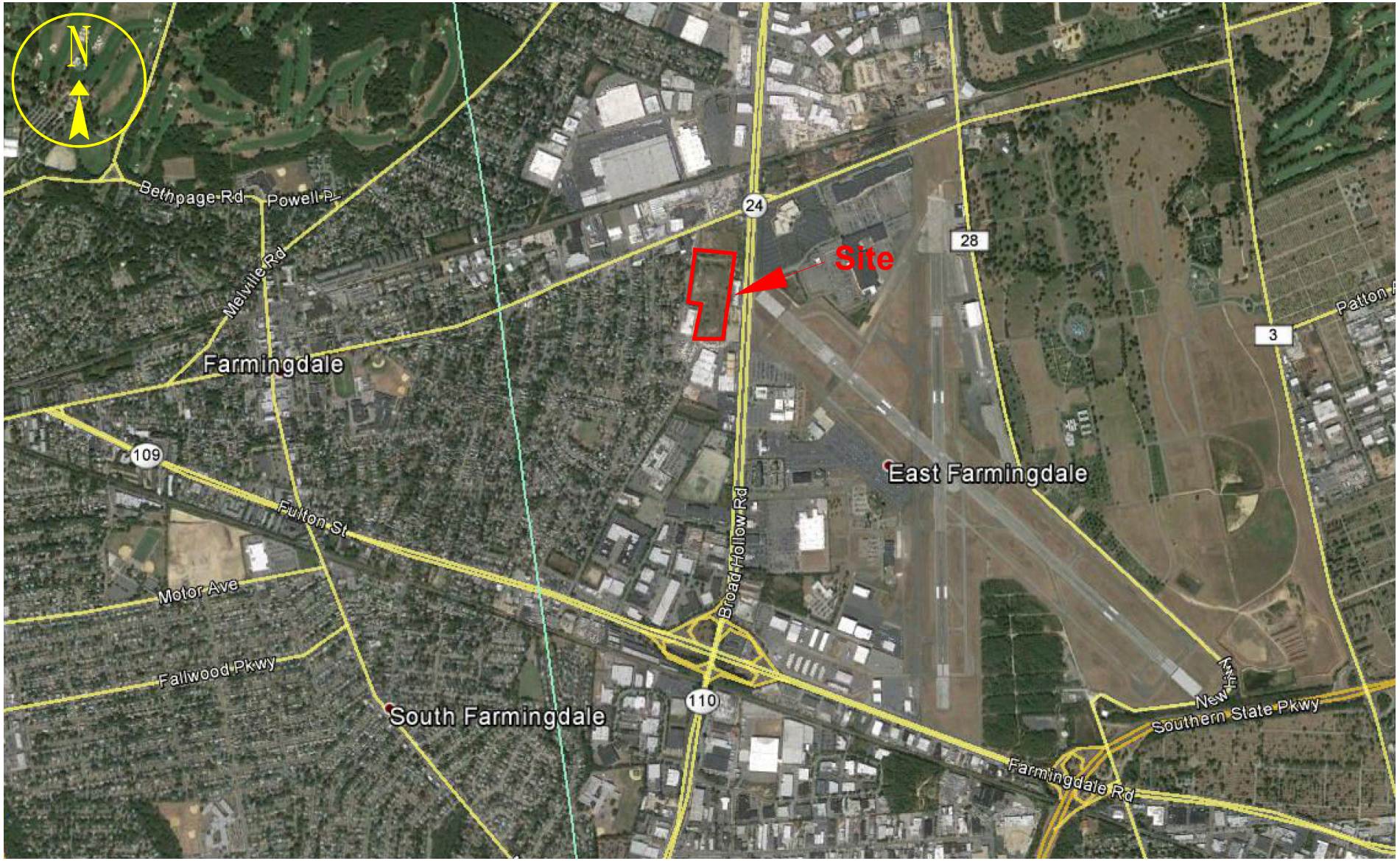
ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation Groundwater Analytical Results
EAR Field Screening

Location	Depth (ft BGS)	Date Collected	Time Collected	Dissolved Oxygen *mg/L*	pH -	Temperature *°C*	ORP (Oxidation Reduction Potential) *mV*	Conductivity *us/cm*	Turbidity *NTU*
BAW-06C (20-30)	20-30	7/28/2014	1:35 PM	4.01	6.99	16.98	59.1	303	5.64
MW-1	40-50	7/28/2014	9:36 AM	4.58	5.90	16.45	203.7	274	0.29
MW-1A	-	7/28/2014	10:25 AM	1.59	6.49	17.08	51.0	331	4.10
MW-2	19-29	7/28/2014	11:23 AM	1.50	7.16	16.65	-32.3	754	4.25
MW-3	20-30	7/28/2014	12:10 PM	1.71	7.02	16.53	30.2	371	2.71
MW-4	22-32	7/28/2014	12:55 PM	1.50	7.24	17.52	-112.0	286	5.10

FIGURES

Figure 1: Site Location Map
Figure 2: Site Map
Figure 3: Site Map – Commercial SCO Exceedances



Modified from 2014 Europa Technologies, Google

Not to Scale

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Figure 1
Site Location Map

Fairchild Republic Aircraft; Old Sump
Broad Hollow Road
East Farmingdale, NY
Site No. 152004

0 175
SCALE IN FEET

Legend

MW-1 - **Well ID Labels**

- **Surveyed Well Locations**

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS
225 Atlantic Avenue
Patchogue, New York 11772
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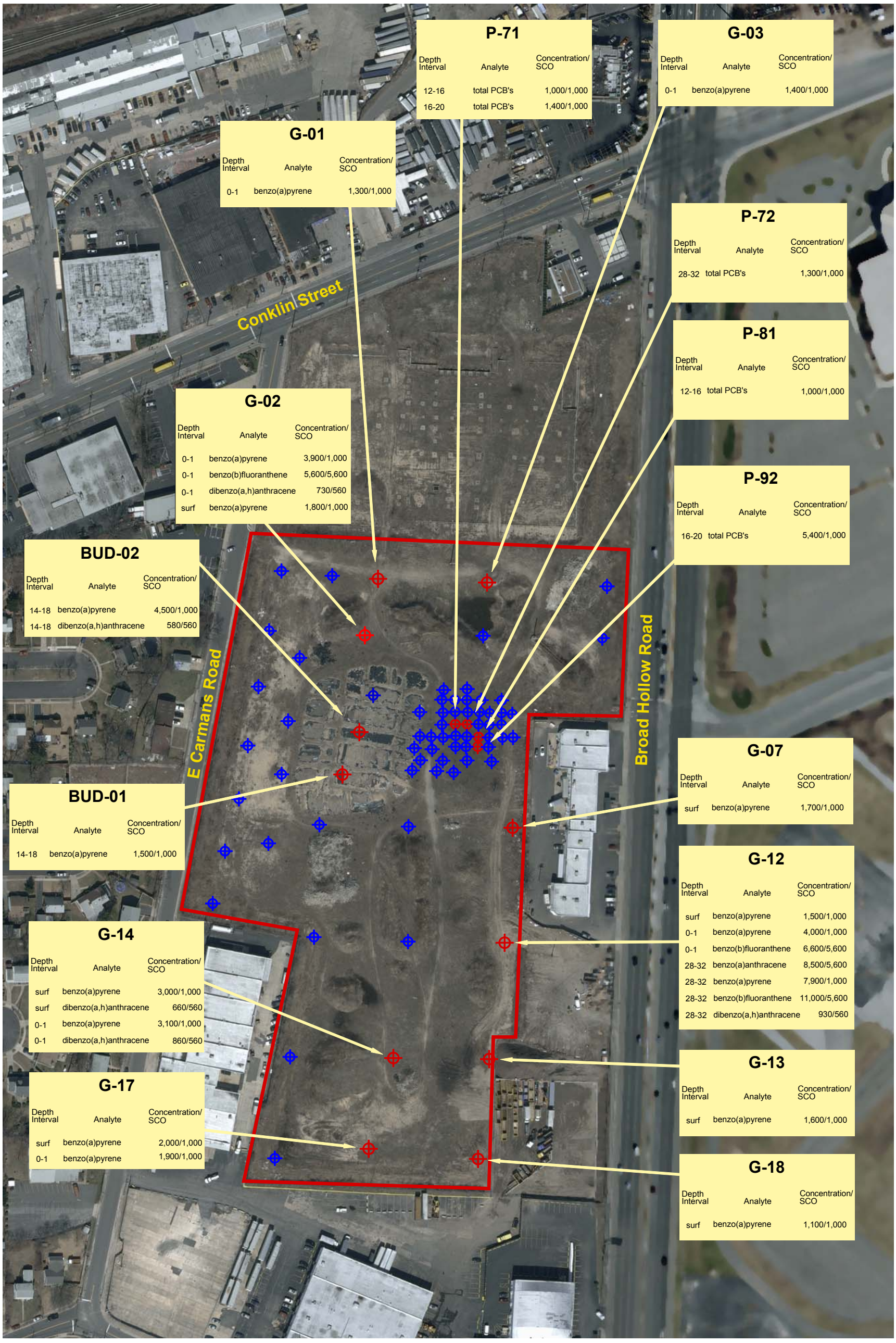
www.Enviro-Asmnt.com

Figure 2
Site Map

Fairchild Republic Aircraft; Old Sump
Broad Hollow Road
East Farmingdale, NY
Site No.152004



P-71

Depth Interval	Analyte	Concentration/ SCO
12-16	total PCB's	1,000/1,000
16-20	total PCB's	1,400/1,000

G-03

Depth Interval	Analyte	Concentration/ SCO
0-1	benzo(a)pyrene	1,400/1,000

G-01

Depth Interval	Analyte	Concentration/ SCO
0-1	benzo(a)pyrene	1,300/1,000

P-72

Depth Interval	Analyte	Concentration/ SCO
28-32	total PCB's	1,300/1,000

P-81

Depth Interval	Analyte	Concentration/ SCO
12-16	total PCB's	1,000/1,000

G-02

Depth Interval	Analyte	Concentration/ SCO
0-1	benzo(a)pyrene	3,900/1,000
0-1	benzo(b)fluoranthene	5,600/5,600
0-1	dibenzo(a,h)anthracene	730/560
surf	benzo(a)pyrene	1,800/1,000

P-92

Depth Interval	Analyte	Concentration/ SCO
16-20	total PCB's	5,400/1,000

BUD-02

Depth Interval	Analyte	Concentration/ SCO
14-18	benzo(a)pyrene	4,500/1,000
14-18	dibenzo(a,h)anthracene	580/560

G-07

Depth Interval	Analyte	Concentration/ SCO
surf	benzo(a)pyrene	1,700/1,000

BUD-01

Depth Interval	Analyte	Concentration/ SCO
14-18	benzo(a)pyrene	1,500/1,000

G-12

Depth Interval	Analyte	Concentration/ SCO
surf	benzo(a)pyrene	1,500/1,000
0-1	benzo(a)pyrene	4,000/1,000
0-1	benzo(b)fluoranthene	6,600/5,600
28-32	benzo(a)anthracene	8,500/5,600
28-32	benzo(a)pyrene	7,900/1,000
28-32	benzo(b)fluoranthene	11,000/5,600
28-32	dibenzo(a,h)anthracene	930/560

G-14

Depth Interval	Analyte	Concentration/ SCO
surf	benzo(a)pyrene	3,000/1,000
surf	dibenzo(a,h)anthracene	660/560
0-1	benzo(a)pyrene	3,100/1,000
0-1	dibenzo(a,h)anthracene	860/560

G-13

Depth Interval	Analyte	Concentration/ SCO
surf	benzo(a)pyrene	1,600/1,000

G-17

Depth Interval	Analyte	Concentration/ SCO
surf	benzo(a)pyrene	2,000/1,000
0-1	benzo(a)pyrene	1,900/1,000

G-18

Depth Interval	Analyte	Concentration/ SCO
surf	benzo(a)pyrene	1,100/1,000

- Soil Sampling Location w/ Commercial SCO Exceedance
- Soil Sampling Location

All concentrations reported in ug/Kg
Depth intervals provided in feet below grade surface
All analyses by Test America, Inc.

0 175
SCALE IN FEET

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Figure 3

Commercial SCO Exceedances

June-July 2014 Remedial Investigation

6 NYCRR 375-6.8 Commercial Use Soil Cleanup Objectives

Fairchild Republic Aircraft; Old Sump
Broad Hollow Road
East Farmingdale, NY
Site No.152004

Appendix A: Drilling/Boring Logs

225 Atlantic Avenue
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Installation Date 6/26/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-EASTFARMINGDALE
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	1-52-004
BORING I.D.	BUD-01
PURPOSE	Investigation
DRILLING METHOD	Direct Push
DRILLING COMPANY	Clearwater Drilling, Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	N/A
TOTAL BORING DEPTH	22'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 14'-18', 18'-22'

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	Direct push, no lithology logged.				
4'-8'	2.7' Brown/black fine sand, some medium sand, trace coarse sand, trace gravel, trace red brick; dry, odor.	MC	4'-8'	21.3ppm	68
8'-12'	2.2' Brown/black fine sand, some medium sand, trace coarse sand, trace gravel; dry, odor.	MC	8'-12'	25.8ppm	55
12'-16'	1.7' Black fine sand, some medium sand, trace coarse sand, trace gravel; dry, odor. 1.0' Concrete, little brown fine sand, trace medium sand; dry. 0.3' Tan fine sand, some medium sand, little coarse sand, trace gravel; dry, no odor.	MC	12'-16'	23.2ppm	75
16'-20'	0.5' Black fine sand, some medium sand, trace coarse sand; dry, odor. 0.4' Brown fine sand, some medium sand, little coarse sand; dry, no odor. 1.5' Tan fine sand, some medium sand, little coarse sand, trace gravel; dry, no odor.	MC	16'-20'	40.4ppm	60
20'-22'	0.6' Brown fine sand, some medium sand, little coarse sand; dry. 0.3' Concrete	MC	20'-22'	2.1ppm	45

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Fax (631) 447-6497
Email Info@Enviro-Asmnt.com
www.Enviro-Asmnt.com

Installation Date 6/26/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-EASTFARMINGDALE
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	1-52-004
BORING I.D.	BUD-02
PURPOSE	Investigation
DRILLING METHOD	Direct Push
DRILLING COMPANY	Clearwater Drilling, Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	N/A
TOTAL BORING DEPTH	22'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 14'-18', 18'-22'

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-14'	Direct push, no lithology logged.				
14'-18'	0.1' Black fine sand, little medium sand; dry, odor.	MC	14'-18'	25.1ppm	68
	2.6' Tan fine sand, some medium sand, some coarse sand, trace gravel; dry, odor.				
18'-22'	0.9' Tan fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	18'-22'	1.4ppm	23

"Trace", 1 - 10%
"Little", 10 - 20%
"Some", 20 - 30%
"And", 30 - 50%

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Installation Date 6/26/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-EASTFARMINGDALE
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	1-52-004
BORING I.D.	BUD-03
PURPOSE	Investigation
DRILLING METHOD	Direct Push
DRILLING COMPANY	Clearwater Drilling, Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	N/A
TOTAL BORING DEPTH	26'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 14'-18', 22'-26'

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-14'	Direct push, no lithology logged.				
14'-18'	2.5' Brown fine sand, some medium sand, little coarse sand, trace gravel.	MC	14'-18'	15.9ppm	63
18'-22'	0.3' Black clay, some fine sand, some medium sand; moist. 1.1' Tan fine sand, some medium sand, little coarse sand, trace gravel; moist. 0.3' Black clay; moist, odor.	MC	18'-22'	10.3ppm	43
22'-26'	2.1' Tan fine and medium sand, little coarse sand, trace gravel; moist.	MC	22'-26'	0.8ppm	53

"Trace", 1 - 10%
"Little", 10 - 20%
"Some", 20 - 30%
"And", 30 - 50%

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Installation Date 06/17/14

DRILLING LOG - Monitoring Well Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-EASTFARMINGDALE
SITE ADDRESS: Fairchild Republic Aircraft,Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE NUMBER: 152004
WELL I.D.: MW-1 (G-17)
DRILLING METHOD: Direct Push
DRILLING COMPANY: Clearwater Drilling, Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
SAMPLE METHOD: Macro Core
DEPTH-TO-WATER: 16'
TOTAL WELL DEPTH: 50'

WELL CONSTRUCTION

CASING
Type PVC Diameter 0.75" Length 40'

SCREEN
Type PVC Diameter 0.75" Slot .010" Length 10'

GRAVEL PACK: Pre-Packed Screen
CASING SEAL: Bentonite (Hydrated Pellets) (13'-18' BGS)
FILL: Native (0'-13' BGS & 18'-32' BGS)
SECURITY: Locking Well Cap / J Plug
3753 Master Lock
FINISH: N/A - Stick-Up
COMMENTS: * Pre-packed screens - 0.75" PVC screen packed w/ 20/40 mesh, silica sand enclosed by 0.011" stainless steel mesh at 1.4" OD

Depth Below Grade	Well Design	Soil Lithology/Field Observations				
		Depth	Description/Classification	Sample Type	Screening Interval	PID Reading
		Surf	Brown fine sand, some medium sand, trace coarse sand, trace gravel: dry.	HA	Surf	1.3ppm
		0'-1'	1' Brown fine sand, some medium sand, trace coarse sand, trace gravel: dry.	HA	0'-1'	0.3ppm
16'		1'-4'	3' Brown fine sand, some medium sand, little coarse sand, trace gravel: dry.	MC	1'-4'	0.1ppm
			0.2' Concrete			
			0.3' Brown fine sand, some medium sand, little coarse sand, trace gravel: dry.			
			0.2' Concrete			
		4'-8'	0.8' Brown fine sand, some medium sand, little coarse sand, trace gravel:	MC	4'-8'	0.3ppm
		8'-12'	dry.	MC	8'-12'	0.0ppm
			0.5' Black fine sand, trace medium sand; moist			
			Tan fine sand, little medium sand , little coarse sand, trace gravel; moist			
		12'-16'	0.2' Brown fine sand, some medium sand, little coarse sand, trace gravel; dry.	MC	12'-16'	0.0ppm
			1.2' Tan fine and medium sand, little coarse sand; moist			
			1.6' Tan fine sand, some medium sand, little coarse sand, little gravel; moist			
		16-20'	1.2' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	16-20'	0.5ppm
		20-24'	1.8' Tan fine and medium sand, little coarse sand; moist	MC	20-24'	0.3ppm
TWD 50'		24-28'	1.8' Tan fine and medium sand, little coarse sand; moist	MC	24-28'	0.2ppm
	NOT TO SCALE					

Backfill Bentonite

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DRILLING LOG - Monitoring Well Installation

WELL I.D. MW-1

Soil Lithology/Field Observations

		Sample Type	Screening Interval	PID Reading
28-32'	0.3' Tan fine sand, little medium sand, tr coarse sand; wet.	MC	28-32'	0.3ppm
	0.2' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.			
	1.5' Tan fine sand, some medium sand, trace coarse sand, trace gravel; wet.			
32'-36'	0.4' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	32'-36'	0.2ppm
	0.2' Tan fine sand, some medium sandl; wet.			
	0.2' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.			
36'-40'	1.2' Tan fine sand, little medium sand, tr coarse sand; wet.	MC	36'-40'	0.4ppm
	1' Tan fine sand, little medium sand, some coarse sand, trace gravel; wet.			
40'-44'	1.9' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	40'-44'	0.3ppm
44'-48'	1.1' Tan fine sand, some medium sand, trace coarse sandl; wet.	MC	44'-48'	0.3ppm
	0.6' Tan fine and medium sand, some coarse sand, trace gravel; wet.			
	0.8' Tan fine sand, some medium sand, little coarse sand; wet.			
48'-52'	1.1' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	48'-52'	0.6ppm
	0.5' Tan fine and medium sand, some coarse sand, trace gravel; wet.			
	0.8' Tan fine sand, some medium sand, trace coarse sand, trace gravel; wet.			

Cement/ Bentonite Grout Gravel Backfill

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Monitoring Well Installation

DRILLING DETAILS

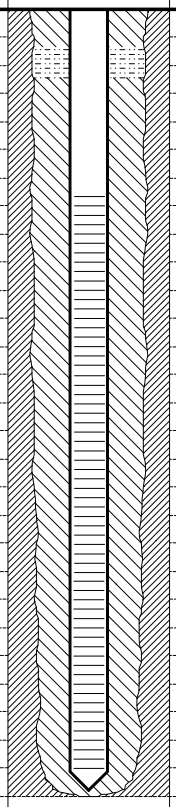
PROJECT/SITE NAME	DEC-EASTFARMINGDALE
SITE ADDRESS	Fairchild Republic Aircraft, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE NUMBER	152004
WELL I.D.	MW-2 (G-12)
DRILLING METHOD	Direct Push
DRILLING COMPANY	Clearwater Drilling, Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
SAMPLE METHOD	Macro Core
DEPTH-TO-WATER	18'
TOTAL WELL DEPTH	29'

WELL CONSTRUCTION

CASING
Type PVC Diameter 0.75" Length 19'

SCREEN
Type PVC Diameter 0.75" Slot .010" Length 10'

GRAVEL PACK	Pre-Packed Screen
CASING SEAL	Bentonite (Hydrated Pellets) (13'-18' BGS)
FILL	Native (0'-13' BGS & 18'-32' BGS)
SECURITY	Locking well Cap / J Plug
	3753 Master Lock
FINISH	N/A - Stand-Up
COMMENTS	* Pre-packed screens - 0.75" PVC screen packed w/ 20/40 mesh, silica sand enclosed by 0.011" stainless steel mesh at 1.4" OD



Soil Lithology/Field Observations

Depth Below Grade	Depth	Description/Classification	Sample Type	Screening Interval	PID Reading
	Surf	Brown fine sand, some medium sand, trace coarse sand, trace gravel: dry.		Surf	1.3ppm
	0'-1'	1' Brown fine sand, some medium sand, trace coarse sand, trace gravel: dry.	HA	0'-1'	0.3ppm
	1'-4'	3' Brown fine sand, some medium sand, little coarse sand, trace gravel: dry.	MC	1'-4'	0.1ppm
18'		0.2' Concrete.			
		0.3' Brown fine sand, some medium sand, little coarse sand, trace gravel: dry.			
		0.2' Concrete.			
	4'-8'	0.8' Brown fine sand, some medium sand, little coarse sand, trace gravel: dry.	MC	4'-8'	0.3ppm
		1.2' Dark brown fine sand, some medium sand, little coarse sand, trace gravel; dry.			
		0.5' Light brown fine sand, some medium sand, little coarse sand, trace gravel; dry.			
	8'-12'	0.6' Tan fine sand, some medium sand, little coarse sand; dry.	MC	8'-12'	0.1ppm
		0.6' Dark brown fine sand,little medium sand, trace coarse sand, trace gravel; moist.			
		0.6' Tan/light brown fine and medium sand, little coarse sand, trace gravel: moist.			
	12'-16'	0.6' Brown fine sand, some medium sand, little coarse sand, trace gravel gravel: dry.	MC	12'-16'	0.2ppm
TWD		0.6' Tan fine and medium sand, little coarse sand, trace gravel; moist			
29'		0.3 Dark brown fine and medium sand; moist			
		0.4' concrete.			
		1.5' Dark brown to tan fine sand some medium sand, little coarse sand; moist.			

Backfill Bentonite

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Installation Date 06/17/14

DRILLING LOG - Monitoring Well Installation

WELL I.D. MW-2

Soil Lithology/Field Observations

		Sample Type	Screening Interval	PID Reading
16-20'	1.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	16-20'	0.5ppm
	0.5' Concrete.			
	1.5' Grey/brown fine and medium sand, some coarse sand, little gravel; wet.			
20-24'	1.2' Dark grey medium sand, some fine sand, little coarse sand; wet.	MC	20-24'	0.3ppm
24-28'	Dark grey/black fine and medium sand, little coarse sand, trace gravel; wet. Unable	MC	24-28'	1.1ppm
	to measure due to wetness			
28-32'	1.5' Dark grey medium sand, some fine sand, some coarse sand; wet.	MC	28-32'	0.9ppm

Cement/ Bentonite Grout Gravel Backfill

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 06/17/14- 6/18/14

DRILLING LOG - Monitoring Well Installation

DRILLING DETAILS

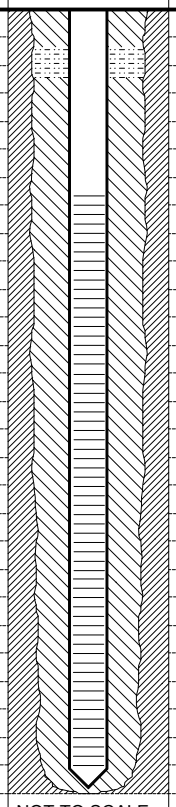
PROJECT/SITE NAME	DEC-EASTFARMINGDALE
SITE ADDRESS	Fairchild Republic Aircraft, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE NUMBER	152004
WELL I.D.	MW-3
DRILLING METHOD	Direct Push
DRILLING COMPANY	Clearwater Drilling, Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
SAMPLE METHOD	Macro Core
DEPTH-TO-WATER	15'
TOTAL WELL DEPTH	30'

WELL CONSTRUCTION

CASING
Type PVC Diameter 0.75" Length 20'

SCREEN
Type PVC Diameter 0.75" Slot .010" Length 10'

GRAVEL PACK	Pre-Packed Screen
CASING SEAL	Bentonite (Hydrated Pellets) (7'-13' BGS)
FILL	Native (0'-7' BGS & 13-40' BGS)
SECURITY	Locking well Cap / J Plug
	3753 Master Lock
FINISH	N/A - Stand-Up
COMMENTS	* Pre-packed screens - 0.75" PVC screen packed w/ 20/40 mesh, silica sand enclosed by 0.011" stainless steel mesh at 1.4" OD



Soil Lithology/Field Observations

Depth Below Grade	Depth	Description/Classification	Sample Type	Screening Interval	PID Reading
	0'-4'	1.5' Light brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	1'-4'	0.8ppm
		0.5' Brown fine and medium sand, trace coarse sand, trace grave; dry.			
		1.5' Tan fine sand, little medium sand, trace coarse sand, trace gravel; dry.			
	4'-8'	1.1' Tan fine and medium sand, little coarse sand, trace gravel; dry.	MC	4'-8'	0.1ppm
		0.3' Brown fine and medium sand, little coarse sand, trace gravel; dry.			
15'		0.8' Tan medium sand, some fine sand, little coarse sand, trace gravel; dry.			
	8'-12'	0.8' Tan fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	8'-12'	0.1ppm
		3' Brown fine sand, little medium sand, trace coarse sand; dry.			
	12'-16'	0.5' Light brown fine sand, some medium sand, trace coarse sand, trace gravel; moist.	MC	12'-16'	0.2ppm
		3' Brown fine and medium sand, little coarse sand, trace gravel; wet.			
	16-20'	1' Brown fine sand, little medium sand, trace coarse sand, trace gravel; wet.	MC	16-20'	0.3ppm
		0.9' Tan/grey fine sand, some medium sand, trace coarse sand, trace gravel; wet.			
	20-24'	1.2' Tan medium and coarse sand, some fine sand, little gravel; wet.	MC	20-24'	0.1ppm
		0.5' Tan medium sand, some fine sand, little coarse sand, trace gravel; wet.			
	24-28'	1.4' Tan fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	24-28'	0.2ppm

Backfill Bentonite

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Installation Date 6/17/14 - 6/18/14

DRILLING LOG - Monitoring Well Installation

WELL I.D. MW-3

Soil Lithology/Field Observations

		Sample Type	Screening Interval	PID Reading
28-32'	1.5' Tan medium and coarse sand, some fine sand, little gravel; wet.	MC	28-32'	0.3ppm
32'-36'	0.2' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	32'-36'	0.3ppm
	0.6' Tan fine sind, some medium sand, trace coarse sand; wet.			
	0.5' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.			
	0.6' Tan fine sand, some medium sand, trace coarse sand; wet.			
36'-40'	0.5' Tan fine and medium sand, some coarse sand, trace gravel: wet.	MC	36'-40'	0.3ppm
	0.5' Tan medium and coarse sand, little fine sand, little gravel; wet.			
	0.5' Tan fine and medium sand, some coarse sand, trace gravel: wet.			
	0.3' Tan medium and coarse sand, little fine sand, little gravel; wet.			
	0.5' Tan fine and medium sand, some coarse sand, trace gravel: wet.			

Cement/ Bentonite Grout | Gravel | Backfill

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 06/18/14

DRILLING LOG - Monitoring Well Installation

DRILLING DETAILS

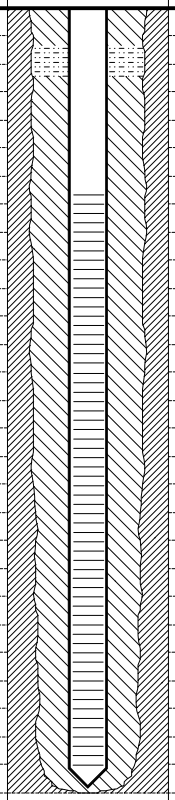
PROJECT/SITE NAME	DEC-EASTFARMINGDALE
SITE ADDRESS	Fairchild Republic Aircraft,Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE NUMBER	152004
WELL I.D.	MW-4 (CR-11)
DRILLING METHOD	Direct Push
DRILLING COMPANY	Clearwater Drilling, Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
SAMPLE METHOD	Macro Core
DEPTH-TO-WATER	14'
TOTAL WELL DEPTH	32'

WELL CONSTRUCTION

CASING
Type PVC Diameter 0.75" Length 22'

SCREEN
Type PVC Diameter 0.75" Slot .010" Length 10'

GRAVEL PACK	Pre-Packed Screen
CASING SEAL	Bentonite (Hydrated Pellets) (7.5'-12.5' BGS)
FILL	Native (0'-12.5' BGS & 12.5'-32' BGS)
SECURITY	Locking well Cap / J Plug
	3753 Master Lock
FINISH	N/A - Stand-Up
COMMENTS	* Pre-packed screens - 0.75" PVC screen packed w/ 20/40 mesh, silica sand enclosed by 0.011" stainless steel mesh at 1.4" OD



Depth	Description/Classification	Sample Type	Screening Interval	PID Reading
Surf	Brown fine sand, some medium sand, trace coarse sand, trace gravel: dry.	HA	Surf	0.3ppm
0'-1'	1' Brown fine sand, some medium sand, trace coarse sand, trace gravel: dry.	HA	0'-1'	0.5ppm
1'-4'	2.3' Brown fine sand, some medium snad, trace coarse sand, trace gravel dry.	MC	1'-4'	1.5ppm
4'-8'	3.3' Brown fine sand, some medium sand, trace coarse sand, trace gravel dry.	MC	4'-8'	0.6ppm
8'-12'	0.6' Brown fine sand, little medium sand, trace coarse sand, trace greavel; dry. 2.5' Brown fine sand, little medium sand, trace coarse sand, trace greavel; moist.	MC	8'-12'	0.1ppm
12'-16'	1.0' Tan fine and medium sand, some coarse sand, trace gravel; moist. 1.5' Tan fine and medium sand, some coarse sand, trace gravel; wet.	MC	12'-16'	0.6ppm
16-20'	1' Tan fine and medium sand, some coarse sand, trace gravel; wet.	MC	16-20'	1.1ppm
20-24'	0.4' Tan fine and medium sand, trace coarse sand, trace gravel; wet. 0.3' Black fine and medium sand, trace coarse sand, trace gravel; wet. 0.3' Tan fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	20-24'	1.3ppm
24-28'	Tan fine and medium sand, some coarse sand, trace gravel; wet. 0.2' Black clay, little fine sand, little medium sand, wet. 0.4' Tan fine and medium sand, some coarse sand, trace gravel; wet. 1.2 Black clay, some fine sand, little coarse sand, trace gravel; wet. 0.8' Tan fine and medium sand, little coarse sand, trace gravel; wet. 0.7' Black clay, little fine sand; wet.	MC	24-28'	1.4ppm

Backfill Bentonite

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Installation Date 6/18/14

DRILLING LOG - Monitoring Well Installation

WELL I.D. MW-4

Soil Lithology/Field Observations

		Sample Type	Screening Interval	PID Reading
28-32'	0.1' Black clay, some fine sand, trace medium sand; wet.	MC	28-32'	0.6ppm
	1.8' Tan fine and medium sand, little coarse sand, trace gravel; wet.			

Cement/ Bentonite Grout Gravel Backfill

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/27/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-06
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~19'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'. relocated to P-53 location following refusal at original location.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.8' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.2' Red brick; dry.	MC	0'-4'	0.5ppm	50
4'-8'	2.4' Brown fine sand, some medium sand, little coarse sand, trace gravel, trace red brick, trace cement; dry.	MC	4'-8'	0.7ppm	60
8'-12'	0.2' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry. 0.3' Red brick; dry. 0.2' Concrete, some fine sand, little medium sand; dry. 1.5' Brown fine sand, some medium sand, little coarse sand, trace gravel; dry.	MC	8'-12'	0.7ppm	55
12'-16'	1.3' Brown fine sand, some coarse sand, little medium sand, trace gravel; dry. 1.0' Black fine sand, some medium sand, little coarse sand, trace gravel; moist.	MC	12'-16'	1.0ppm	58
16'-20'	0.9' Brown fine sand, little medium sand, trace coarse sand; dry. 0.2' Red brick; dry. 0.2' Black fine sand, little medium sand; moist.	MC	16'-20'	4.9ppm	33
20'-24'	0.3' Red brick, some fine brown sand; wet.	MC	20'-24'	0.2ppm	8
24'-28'	0.4' Black clay; wet, odor. 0.2' Red brick; wet. 0.9' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	12.1ppm	38
28'-32'	0.6' Tan fine and medium sand, little coarse sand; wet.	MC	28'-32'	1.4ppm	15

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/25/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-07
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.5' Brown fine sand, trace medium sand, trace gravel; dry.	MC	0'-4'	0.4ppm	88
	0.4' Red brick; dry.				
	0.3' Brown fine sand, trace medium sand, trace coarse sand; dry.				
	0.3' Concrete; dry.				
	0.5'Brown fine sand, little medium sand, trace coarse sand, trace gravel, trace red brick; dry.				
	0.4' Concrete; dry.				
	0.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
	0.8' Concrete; dry.				
4'-8'	0.2' Concrete; dry.	MC	4'-8'	0.2ppm	85
	0.6' Brown fine sand, little medium sand, trace gravel; dry.				
	0.5' Concrete; dry.				
	2.1' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
8'-12'	1.6' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	8'-12'	0.3ppm	50
	0.4' Black clay; sheen, moist, odor.				
12'-16'	2.6' Brown fine sand, little medium sand, trace coarse sand; moist.	MC	12'-16'	0.3ppm	65
16'-20'	1.7' Dark brown fine sand, little medium sand, trace coarse sand; wet.	MC	16'-20'	0.1ppm	100
	2.3' Brown fine sand, little medium sand, trace coarse sand, trace gravel; wet.				
20'-24'	1.9' Brown clayey fine sand, little medium sand, trace coarse sand ; wet.	MC	20'-24'	0.5ppm	48
24'-28'	0.7' Tan fine and medium sand, trace coarse sand; wet.	MC	24'-28'	0.6ppm	18

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/25/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-07

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	0.6' Brown fine sand, little medium sand, trace coarse sand; wet. 2.0' Dark brown fine sand, trace medium sand, trace coarse sand; wet.	MC	28'-32'	0.6ppm	65

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/24/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-08
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~17'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.6' Brown fine sand, trace medium sand, trace coarse sand; dry.	MC	0'-4'	0.3ppm	63
	0.6' Brown clay.				
	0.3' Brown fine sand, trace medium sand, trace coarse snad; dry.				
4'-8'	0.6' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	4'-8'	0.8ppm	88
	0.5 Brown clay; moist.				
8'-12'	0.4' Brown clay; moist.	MC	8'-12'	6.2ppm	50
	0.3' Brown fine sand, little medium sand, trace coarse sand; dry.				
	1.3' Black clay, some brown fine sand, trace medium sand; sheen, moist, odor.				
12'-16'	2.2' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	12'-16'	0.7ppm	55
16'-20'	1.1' Brown clayey fine sand, little medium sand, trace coarse sand; moist.	MC	16'-20'	1.9ppm	28
20'-24'	0.5' Brown fine sand, little medium sand, trace coarse sand; moist.	MC	20'-24'	0.4ppm	68
	1.4' Brown clay, some fine sand, little medium sand, trace coarse sand; wet.				
	0.8' Brown clayey fine sand, little medium sand, trace coarse sand; wet.				
24'-28'	0.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; wet.	MC	24'-28'	0.7ppm	18
28'-32'	0.4 Brown/black fine sand some medium sand, trace coarse sand; wet.	MC	28'-32'	0.7ppm	23
	0.5' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/23/14
Page 1 of 1

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-11
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~17'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.2' Brown fine sand, trace medium sand, trace coarse sand; dry. 0.1' concrete; dry. 2.6' Dark brown fine sand, little medium sand, trace coarse sand trace gravel, trace concrete; dry.	MC	0'-4'	35ppm	73
4'-8'	0.3' Black fine sand, trace medium sand; dry, no odor. 1.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.3' concrete; dry. 0.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	4'-8'	0.9ppm	70
8'-12'	0.9' Brown fine sand, little medium sand, trace coarse sand; moist. 0.9' Brown fine sand little medium sand, trace coarse sand, trace gravel; moist.	MC	8'-12'	2.7ppm	50
12'-16'	0.6' Brown fine sand, little medium sand; dry. 0.2' Concrete; dry.	MC	12'-16'	3.1ppm	20
16'-20'	0.2' Brown fine sand, some medium sand, trace coarse sand; moist. 1.1' Black clay; sheen, moist, odor. 2.5' Tan medium sand, some fine sand, some coarse sand, trace gravel; wet.	MC	16'-20'	6.7ppm	95
20'-24'	2.0' Tan fine and medium sand, some coarse sand, trace gravel; wet.	MC	20'-24'	0.9ppm	50
24'-28'	1.9' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.7ppm	48
28'-32'	2.0' Tan fine and medium sand, some coarse sand; wet.	MC	28'-32'	0.4ppm	50

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/27/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-12
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.5' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.	MC	0'-4'	0.4ppm	63
4'-8'	1.9' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	4'-8'	0.9ppm	48
8'-12'	1.9' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	8'-12'	0.9ppm	48
12'-16'	1.3' Brown fine sand, little medium sand, trace coarse sand, trace clay; moist. 0.2' Black clay; moist, odor.	MC	12'-16'	0.8ppm	38
16'-20'	0.2' Black clay, some fine sand, some medium sand, trace coarse sand; wet, odor. 0.4' Brown fine sand, some medium sand, some coarse sand, trace gravel; wet, odor. 1.1 Black/grey fine and medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	1.2ppm	43
20'-24'	1.9' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.8ppm	48
24'-28'	1.7' Tan fine and medium sand, some fine sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.9ppm	43
28'-32'	2.1' Tan medium sand, some coarse sand, little fine sand, trace gravel; wet.	MC	28'-32'	0.7ppm	53

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-13
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~11'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', and 28'-32'. 16'-20' interval not sampled due to low recovery.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.1' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	1.8ppm	33
	0.7' Brown fine sand, little medium sand, trace coarse sand, trace concrete; dry.				
	0.5' Dark brown fine sand, some medium sand, trace coarse sand, trace red brock; dry.				
4'-8'	0.2' Brown fine sand, little medium sand, little red clay; moist.	MC	4'-8'	2.3ppm	35
	0.8' Black clay, little fine sand, trace medium sand; wet, odor.				
	gravel; dry.				
	0.2' Red brick; dry.				
	0.2' Brown fine sand, some coarse sand, little medium sand; moist.				
8'-12'	0.3' Black clay; moist, odor.	MC	8'-12'	8.8ppm	53
	0.5' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.				
	0.7' Brown fine sand, little medium sand, little coarse sand, trace gravel; moist.				
	0.2' Black clay; wet, odor.				
	0.4' Brown fine sand, little medium sand, little coarse sand, trace gravel; wet.				
12'-16'	0.4' Brown clay, little fine sand, little medium sand; wet.	MC	12'-16'	15.2ppm	43
	0.6' Brown fine and medium sand, little coarse sand, trace gravel; wet.				
	0.7' Black clay; wet, odor.				
16'-20'	Black clay, some fine sand, trace medium sand; moist, slight odor. Low recovery, sample baged directly from rod.	MC	16'-20'	6.5ppm	-
20'-24'	1.0' Black clay; wet, odor.	MC	20'-24'	9.3ppm	30
	0.2' Black clay, trace medium sand, trace coarse sand; wet.				
24'-28'	1.1' Brown fine sand, some medium sand, little clay, trace coarse sand, trace gravel; wet.	MC	24'-28'	3.0ppm	28

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-13

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	0.1' Black medium sand, some fine sand, trace coarse sand; wet. 1.0' Brown fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	28'-32'	6.1ppm	28

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-14
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.2' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	0.3ppm	55
4'-8'	0.3' Brown fine sand, little medium sand, trace coarse sand; dry. 0.2' Red brick; dry. 1.2'Brown fine sand, little medium sand, trace coarse sand; dry. 1.0' Concrete; dry.	MC	4'-8'	0.5ppm	68
8'-12'	0.7' Brown fine sand, little medium sand, little coarse sand; moist. 0.3' Concrete; dry. 1.2' Brown fine sand, little medium sand, trace coarse sand; moist. 0.1' Black fine sand, little medium sand, trace coarse sand; moist.	MC	8'-12'	0.5ppm	58
12'-16'	0.3' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist. 0.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.9' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist. 0.5' Brown fine sand, little medium sand, trace coarse sand, trace black clay; wet.	MC	16'-20'	1.0ppm	65
16'-20'	0.3' Black clay; sheen, wet, odor. 0.3' Brown fine sand, little medium sand, little coarse sand, trace gravel; wet. 0.3' Black clay, trace fine sand, trace medium sand; sheen, wet, odor. 0.4' Brown fine sand, trace medium sand, trace coarse sand, trace gravel; wet.	MC	12'-16'	1.7ppm	63
20'-24'	0.5' Tan medium sand, little fine sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.6ppm	13
24'-28'	0.7' Tan fine sand, little medium sand, trace coarse sand; wet.	MC	24'-28'	0.5ppm	20

"Trace", 1 - 10% "Some", 20 - 30%
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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-14

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	0.3' Black clay; sheen, wet, odor. 1.8' Tan fine sand, some medium sand, trace coarse sand, trace gravel; wet. 0.3' Black clay; sheen, wet, odor.	MC	28'-32'	0.6ppm	60

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/30/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump Broad Hollow Rd. East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-15
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~18'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.6' Brown fine sand, little medium sand, little coarse sand, trace gravel, trace asphalt, trace red brick; dry. 0.4' Concrete; dry.	MC	0'-4'	0.7ppm	50
4'-8'	0.4' Brown fine sand, little medium sand, trace coarse sand; dry. 0.1' Concrete; dry. 0.8' Black fine sand, little medium sand, trace coarse sand; dry. 0.5' Cement; dry. 0.3' Black fine sand, little medium sand, trace coarse sand, trace red brick; dry.	MC	4'-8'	0.8ppm	53
8'-12'	0.2' Concrete; dry. 1.8' Brown fine sand, little medium sand, little coarse sand, trace concrete; dry. 0.4' Black fine sand, some red brick, little medium sand, trace coarse sand; dry.	MC	8'-12'	0.8ppm	60
12'-16'	0.5' Brown fine sand, some coarse sand, little medium sand, little concrete; dry. 0.3' Red brick; dry. 1.1' Black fine sand, some red brick, little medium sand, trace coarse sand; dry.	MC	12'-16'	0.9ppm	48
16'-20'	0.4' Brown fine sand, little medium sand, trace coarse sand; moist. 0.4' Black fine sand, some medium sand, little coarse sand; wet.	MC	16'-20'	4.7ppm	20
20'-24'	1.7' Black clay, some fine sand, little medium sand, trace coarse sand, trace gravel; wet, odor.	MC	20'-24'	4.1ppm	43
24'-28'	0.9' Black clay, some fine sand, little medium sand, trace coarse sand, trace gravel; wet.	MC	24'-28'	0.8ppm	23
28'-32'	1.4' Black fine sand, some medium sand, little coarse sand; wet. gravel; wet.	MC	28'-32'	0.5ppm	35

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/30/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-16
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~17'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.5' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.	MC	0'-4'	0.7ppm	70
	0.1' Red brick; dry.				
	0.2' Brown fine sand, little medium sand, trace coarse sand,; dry.				
4'-8'	0.8' Brown/black fine sand, little medium sand, trace coarse sand, trace red brick; dry.	MC	4'-8'	0.8ppm	50
	0.5' Concrete; dry.				
	0.7' Browm fine sand, little medium sand, trace coarse sand, trace red brick, trace cement; dry.				
8'-12'	0.4' Brown fine sand, little coarse sand, trace medium sand, trace red brick, trace cement; dry.	MC	8'-12'	2.1ppm	633
	0.2' Black fine sand, little medium sand, trace coarse sand; dry.				
	1.9' Brown fine sand, little medium sand, trace coarse sand; dry.				
12'-16'	0.6' Brown fine sand, little medium sand, trace coarse sand, trace concrete; dry.	MC	12'-16'	0.8ppm	15
16'-20'	0.7' Brown clay, some fine sand, little medium sand, little coarse sand; wet.	MC	16'-20'	0.7ppm	18
20'-24'	0.5' Black medium sand, some coarse sand, little fine sand; wet.	MC	20'-24'	N/A	53
	0.5' Black/brown clay, some fine sand, trace medium sand, trace wood; wet.				
	0.1' Black clay, little fine sand, trace medium sand, trace wood; wet.				
24'-28'	No recovery, only a few pieces of black wood, no sand, clay, or gravel.	MC	24'-28'	0.9ppm	0
28'-32'	1.2' Black clay, some fine sand, some medium sand, trace coarse sand, trace wood; wet.	MC	28'-32'	0.6ppm	30

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/25/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump Broad Hollow Rd. East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-17
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.7' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	2.1ppm	43
4'-8'	1.0' Brown fine sand, trace medium sand, trace coarse sand; dry. 0.8' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	4'-8'	1.3ppm	45
8'-12'	1.4' Brown fine sand, little gravel, trace medium sand, trace coarse sand; dry. 0.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	8'-12'	1.0ppm	48
12'-16'	0.4' Brown fine sand, little medium sand, little gravel, trace coarse sand; dry. 0.6' Brown fine sand, little gravel, trace medium sand, trace coarse sand; dry. 0.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	16'-20'	0.9ppm	38
16'-20'	0.4' Tan fine sand, some medium sand, little coarse sand; wet. 0.5' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	12'-16'	0.5ppm	23
20'-24'	0.7' Brown fine sand, little medium sand, trace coarse sand; moist. 0.2' Grey fine sand, some medium sand, trace coarse sand; wet.	MC	20'-24'	0.8ppm	23
24'-28'	0.9' Grey fine sand, some medium sand, little coarse sand; wet.	MC	24'-28'	0.7ppm	23
28'-32'	0.4' Grey fine sand, little medium sand, trace coarse sand, trace gravel; wet. 0.6' Brown clay, some fine sand, little medium sand; wet. 1.0 Grey fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	28'-32'	0.9ppm	50

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/30/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-18
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.2' Brown fine sand, little medium sand, little coarse sand, trace gravel, trace red brick; dry.	MC	0'-4'	0.4ppm	55
4'-8'	0.9' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry. 0.2' Concrete; dry. 0.9" Brown find sand, little clay, little medium sand, trace gravel; dry.	MC	4'-8'	0.2ppm	50
8'-12'	0.3' Brown/black clay, some fine sand, little coarse sand, trace medium sand; moist. 0.6' Brown fine and medium sand, little coarse sand; dry. 0.5' Brown clay, some fine sand, little medium sand, trace coarse sand; moist.	MC	8'-12'	0.3ppm	35
12'-16'	0.5' Brown fine sand, little medium sand, trace coarse sand; dry. 0.3' Brown fine sand, some clay, little medium sand: wet.	MC	12'-16'	0.2ppm	20
16'-20'	0.5' Brown fine sand, come clay, trace medium sand, trace coarse sand; wet. 1.6' Black clay, trace fine sand, trace medium sand; wet, odor.	MC	16'-20'	2.1ppm	53
20'-24'	1.5' Black/tan fine sand, some medium sand, little coarse sand; wet, slight odor. 0.2' Tan fine sand, little coarse sand, trace medium sand, trace gravel; wet.	MC	20'-24'	0.6ppm	43
24'-28'	1.7' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.2ppm	43
28'-32'	1.0' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	0.3ppm	25

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/30/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-19
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.7' Brown fine sand, some coarse sand, trace medium sand, trace gravel; dry.	MC	0'-4'	0.3ppm	55
	0.1' Concrete; dry.				
	0.4' Brown fine sand, little coarse sand, trace medium sand; dry.				
4'-8'	2.1' Brown fine sand, little medium sand, little coarse sand, trace trace red brick; dry.	MC	4'-8'	0.2ppm	53
8'-12'	1.2' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.	MC	8'-12'	1.3ppm	65
	0.3' Brown fine sand, some clay, little medium sand, little coarse sand; moist.				
	0.1' Asphalt; moist				
	0.3' Red brick; dry.				
	0.2' Cement; dry.				
	0.5' Tan fine sand, some medium sand, trace coarse sand; moist.				
12'-16'	1.5' Brown fine sand, little medium sand, little coarse sand; dry.	MC	12'-16'	0.6ppm	93
	2.0' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.				
16'-20'	1.9' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	0.3ppm	48
20'-24'	1.5' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.4ppm	38
24'-28'	1.6' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.3ppm	40
28'-32'	1.6' Tan fine sand, some medium sand, some coarse sand, trace gravel; wet.	MC	28'-32'	0.3ppm	40

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/27/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-20
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~17'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.2' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry. 0.4' Concrete; dry. 0.7' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	0.3ppm	58
4'-8'	0.2' Brown fine sand, little medium sand, trace coarse sand; dry. 0.2' Concrete; dry. 0.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	4'-8'	1.1ppm	20
8'-12'	1.0' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.2' Concrete; dry. 0.2' Brown fine sand, trace coarse sand, trace red brick; dry. 0.3' Tan fine sand, little medium sand, little coarse sand, trace gravel; dry.	MC	8'-12'	0.8ppm	43
12'-16'	0.7' Brown fine sand, some medium sand, little coarse sand, trace gravel; moist. 1.2' Tan fine sand, some medium sand, little coarse sand, trace gravel; dry. 1.0' Tan medium sand, some fine sand, little coarse sand, trace gravel; moist.	MC	12'-16'	0.4ppm	73
16'-20'	0.2' Tan fine sand, some medium sand, some coarse sand; moist. 0.6' Brown fine sand, some medium sand, little coarse sand; moist. 2.0' Tan fine and medium sand, some coarse sand, trace gravel; wet.	MC	16'-20'	0.6ppm	70
20'-24'	2.0' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.9ppm	50
24'-28'	1.7' Tan fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	24'-28'	1.0ppm	43

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/27/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-20

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	1.9' Tan medium sand, some fine sand, little coarse sand, trace gravel; wet.	MC	28'-32'	0.6ppm	48

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/23/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-21
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~18'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.4' Light brown fine sand, trace medium sand, trace coarse sand, trace gravel; dry. Piece of tarp at the bottom.	MC	0'-4'	0.2ppm	35
	1.0' Brown fine sand, trace medium sand, trace coarse sand, trace gravel; dry.				
4'-8'	0.1' Concrete.	MC	4'-8'	0.1ppm	68
	0.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
	0.4' Concrete.				
	0.2' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
	0.4' Concrete.				
	0.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
	0.3' Red brick.				
	0.2' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
8'-12'	0.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	8'-12'	0.8ppm	70
	0.8' Concrete.				
	1.1' Black clay; sheen, moist, odor.				
	0.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
12'-16'	1.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	12'-16'	0.6ppm	100
	2.3' Tan fine sand, some medium sand, trace coarse sand, trace gravel; moist.				
16'-20'	0.1' Black clay; sheen, moist, odor.	MC	16'-20'	0.8ppm	100
	0.3 Tan fine sand, some medium sand, trace coarse sand,trace gravel; moist.				
	1.1' Brown fine sand, some medium sand, trace coarse sand, trace				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-21

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
	gravel; moist.				
	2.5' Tan fine sand, some medium sand, trace coarse sand; wet.				
20'-24'	1.8' Tan fine and medium sand, trace coarse sand, trace gravel; wet.	MC	20'-24'	0.6ppm	45
24'-28'	0.9' Tan fine and medium sand, trace coarse sand, trace gravel; wet.	MC	24'-28'	0.4ppm	23
28'-32'	1.8' Tan medium and coarse sand, little fine sand, trace gravel; wet.	MC	28'-32'	0.4ppm	20

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/20/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-23
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~18'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.6' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	1.8ppm	70
	0.8' Black fine sand, little medium sand, little coarse sand; moist.				
	1.4' Brown fine snad, little medium sand, trace coarse sand, trace gravel; dry.				
4'-8'	0.3' Black fine sand, little medium sand, little coarse sand; moist.	MC	4'-8'	0.6ppm	55
	0.6' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.				
	0.5' Concrete; dry.				
	0.2' Brown fine sand, some medium sand, trace coarse sand, trace gracel; moist.				
	0.5' Concrete; moist.				
	0.1' Brown fine sand, some medium sand, trace coarse sand; moist.				
8'-12'	0.3' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	8'-12'	0.5ppm	33
	0.2' Black fine sand, some medium sand, trace coarse sand, trace gravel; moist.				
	0.8' Light brown fine sand, trace medium sand; moist.				
12'-16'	1.1' Brown fine sand, some medium sand, trace coarse sand, trace gravel; moist.	MC	12'-16'	0.5ppm	95
	0.1' Tan fine sand, little medium sand, trace coarse sand, trace gravel; moist.				
	0.5' Brown fine sand, some medium sand, trace coarse sand, trace red brick; moist.				
	2.8' Tan fine sand, some medium sand, trace coarse sand, trace gravel; moist,				
16'-20'	0.4' Tan fine and medium sand, some coarse sand, trace gravel; moist.	MC	16'-20'	0.4ppm	95
	0.8' Brown fine sand, little medium sand, trace coarse sand,				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/20/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-23

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
	trace red brick; moist.				
	2.6' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.				
20'-24'	2.1' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.4ppm	53
24'-28'	2.0' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.4ppm	50
28'-32'	1.0' Tan fine and medium sand, trace coarse sand, trace gravel; wet.	MC	28'-32'	0.8ppm	25

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/23/14-6/24/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-24
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~14'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.0' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	0.3ppm	68
	0.5' Concrete; dry.				
	0.2' Brown fine sand, little medium sand, trace coarse sand; dry.				
4'-8'	0.5' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	4'-8'	1.1ppm	53
	1.1' Concrete; dry.				
	0.5' Brown fine sand, trace medium sand, trace coarse sand; dry.				
8'-12'	1.6' Brown fine sand, little medium sand, trace coarse sand, trace gravel, trace concrete; dry.	MC	8'-12'	0.4ppm	40
12'-16'	1.8' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	12'-16'	0.8ppm	98
	2.1' Tan fine and medium sand, little coarse sand, trace gravel; wet.				
16'-20'	0.2' Grey fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	0.7ppm	25
	0.8' Tan fine sand, little coarse sand, trace gravel; wet.				
20'-24'	1.8' Tan fine and medium sand, little coarse sand; wet.	MC	20'-24'	0.3ppm	45
24'-28'	0.2' Tan medium and coarse sand, little fine sand, trace gravel; wet.	MC	24'-28'	0.5ppm	50
	0.6' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.				
	1.2' Tan mediumsand, some coarse sand, little fine sand, trace gravel; wet.				
28'-32'	1.9' Tan medium sand, some fine sand, some coarse sand, trace gravel; wet.	MC	28'-32'	0.4ppm	48

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/20/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-27
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~20'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.2' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.5' Concrete; dry. 0.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	5.3ppm	78
4'-8'	1.2' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.6' Concrete; dry. 0.7' Tan fine sand, some medium sand, little coarse sand, trace gravel; moist. 1.0' Brown fine sand, trace medium sand; moist.	MC	4'-8'	0.2ppm	88
8'-12'	2.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist. 0.5' Concrete; moist.	MC	8'-12'	1.2ppm	90
12'-16'	0.4' Brown fine sand, some medium sand, trace coarse sand, trace gravel; moist 0.5' Concrete; moist. 0.9' Tan fine sand, some medium sand, trace coarse sand, trace gravel; moist.	MC	12'-16'	0.4ppm	45
16'-20'	0.8' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 1.8' Tan fine and medium sand, little coarse sand, trace gravel; moist.	MC	16'-20'	0.4ppm	65
20'-24'	1.0' Tan medium and coarse sand, some fine sand, little gravel; wet.	MC	20'-24'	0.3ppm	43
24'-28'	1.5' Tan fine sand, some medium sand, trace coarse sand; wet. 0.5' Tan medium sand, some fine sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.6ppm	50

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/20/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-27

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	2.1' Tan medium and coarse sand, some fine sand, trace gravel; wet.	MC	28'-32'	0.3ppm	53

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/19/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-28
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~15'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.0' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	0.3ppm	80
	0.5' Tan fine sand, some medium sand, little coarse sand, trace gravel; dry.				
	0.7' Brown fine sand, little medium sand, trace coarse sand; dry.				
4'-8'	2.8' Brown fine sand, little medium sand, trace coarse sand, trace gravel, trace concrete; dry.	MC	4'-8'	0.1ppm	88
	0.3' Concrete; dry.				
	0.4' Brown fine sand, little medium sand, trace coarse sand; dry.				
8'-12'	0.5' Brown fine sand, some medium sand, trace coarse sand; moist.	MC	8'-12'	0.2ppm	73
	0.5' Tan fine sand, some medium sand, trace coarse sand; moist.				
	0.2' Concrete; dry.				
	0.3' Brown fine sand, some medium sand, trace coarse sand; moist.				
	1.8' Concrete with brown fine sand, little medium sand; moist.				
12'-16'	0.3' Brown fine sand, little medium sand, trace coarse sand; moist.	MC	12'-16'	0.3ppm	60
	0.4' Concrete; dry.				
	0.9' Light brown fine and medium snad, little coarse sand, trace gravel; wet.				
	0.7' Tan fine and medium sand, little coarse sand, trace gravel; wet.				
16'-20'	1.3' Grey fine and medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	0.5ppm	63
	1.2' Tan medium and coarse sand, some fine sand, trace gravel; wet.				
20'-24'	1.5' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.4ppm	38

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/19/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-28

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
24'-28'	2.2' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.2ppm	55
28'-32'	1.4' Tan fine and medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	0.4ppm	35

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/19/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-29
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~14'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.5' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	0.2ppm	85
	1.3' Dark brown fine sand, some medium sand, trace coarse sand, trace gravel; dry.				
	0.8' Brown fine sand, some medium sand, trace coarse sand, concrete; dry.				
	0.8' Concrete and red brick; dry.				
4'-8'	0.6' Brown fine sand, some medium sand, trace coarse sand; dry.	MC	4'-8'	0.2ppm	45
	0.6' Concrete and red brick; dry.				
	0.6' Brown fine sand, some medium sand, trace coarse sand; dry.				
8'-12'	1.8' Brown fine sand, some medium sand, trace coarse sand, trace gravel, trace red brick; moist.	MC	8'-12'	0.1ppm	90
	0.6' Concrete; dry.				
	1.2' Brown fine sand, some medium sand, trace coarse sand, trace gravel; moist.				
12'-16'	1.5' Brown fine sand, some medium sand, trace coarse sand, trace gravel, trace red brick; moist.	MC	12'-16'	0.1ppm	98
	0.2' Concrete; dry.				
	1.2' Tan fine and medium sand, little coarse sand, trace gravel; wet.				
	1.0' Tan medium and coarse sand, some fine sand, trace gravel; wet.				
16'-20'	0.5' Tan medium sand, some fine sand, litle coarse sand, trace gravel; wet.	MC	16'-20'	0.4ppm	43
	0.3' Tan fine sand, some medium sand, litle coarse sand, trace gravel; wet.				
	0.4' Tan medium sand, some fine sand, litle coarse sand, trace gravel; wet.				
	0.5' Tan fine sand, some medium sand, litle coarse sand, trace gravel; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-29

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
20'-24'	0.2' Grey medium and coarse sand, some fine sand; wet.	MC	20'-24'	0.3ppm	43
	0.5' Tan medium and coarse sand, some fine sand, trace gravel; wet.				
	0.5' Tan fine sand, some medium sand, trace coarse sand; wet.				
	0.3' Tan medium and coarse sand, some fine sand, trace gravel; wet.				
24'-28'	0.7' Tan medium and coarse sand, some fine sand, trace gravel; wet.	MC	24'-28'	0.6ppm	18
28'-32'	0.9' Tan fine and medium sand, trace coarse sand, trace gravel; wet.	MC	28'-32'	0.3ppm	43
	0.3' Tan medium and coarse sand, little fine sand, trace gravel; wet.				
	0.5' Tan fine sand, some medium sand, trace coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/26/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-30
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.0' Brown fine sand, little clay, little medium sand, trace coarse sand; moist. 0.9' Brown fine sand, little medium sand, trace coarse sand; dry. 0.3' Concrete; dry.	MC	0'-4'	0.3ppm	55
4'-8'	0.4' Cement, trace brown fine sand; dry. 0.3' Red brick, little brown fine sand, trace medium sand; dry. 0.8' Cement, some fine sand, little medium sand, trace coarse sand; dry.	MC	4'-8'	0.5ppm	38
8'-12'	0.4' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry. 1.0' Concrete; dry. 0.3' Brown fine sand, some medium sand, trace coarse sand; dry.	MC	8'-12'	0.3ppm	43
12'-16'	1.1' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry. 1.2' Tan fine sand, some medium sand, little coarse sand, trace gravel; moist.	MC	12'-16'	0.4ppm	58
16'-20'	0.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; wet. 1.4' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	0.3ppm	53
20'-24'	2.1' Tan fine sand, some medium sand, some coarse sand, trace gravel; wet.	MC	20'-24'	1.0ppm	53
24'-28'	1.8' Tan medium sand, some fine sand, some coarse sand, little gravel; wet.	MC	24'-28'	1.1ppm	45
28'-32'	1.4' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	1.7ppm	35

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/19/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-31
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~15'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.9' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	0.3ppm	73
4'-8'	1.5' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry. 0.4' Red brick. 0.5' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry. 0.4' Concrete. 0.3' Red brick.	MC	4'-8'	0.3ppm	78
8'-12'	0.3' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry. 0.2' Red brick. 0.4' Brown fine sand, some medium sand, trace coarse sand, trace gravel; moist. 0.3' Black fine sand, some medium sand, trace coarse sand, trace gravel; moist.	MC	8'-12'	0.4ppm	30
12'-16'	1.2' Brown fine sand, trace medium sand, trace gravel; moist. 2.3' Tan Fine and medium sand, some coarse sand, trace gravel; wet.	MC	12'-16'	0.4ppm	88
16'-20'	1.0' Tan Fine and medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	0.4ppm	25
20'-24'	1.8' Tan medium and coarse sand, some fine sand, trace gravel; wet.	MC	20'-24'	0.3ppm	45
24'-28'	1.7' Tan medium and coarse sand, some fine sand, trace gravel; wet.	MC	24'-28'	0.5ppm	43
28'-32'	1.2' Tan medium and coarse sand, some fine sand, trace gravel; wet.	MC	28'-32'	0.4ppm	30

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/26/14
Page 1 of 1

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-32
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.1' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	0.8ppm	30
	0.2' Concrete; dry.				
	0.1' Red brick; dry.				
	0.8' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
4'-8'	0.2' Red brick; dry.	MC	4'-8'	0.6ppm	15
	0.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
8'-12'	2.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	8'-12'	0.8ppm	75
	0.6' Tan fine sand, little coarse sand, trace medium sand, trace gravel; dry.				
12'-16'	1.3' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.	MC	12'-16'	0.7ppm	88
	2.2' Tan fine sand, some coarse sand, little medium sand, trace gravel; wet.				
16'-20'	1.8' Tan fine sand, little medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	0.8ppm	45
20'-24'	2.0' Tan fine sand, little medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.5ppm	48
24'-28'	2.1' Tan fine and medium sand, tracec coarse sand, trace gravel; wet.	MC	24'-28'	0.5ppm	53
28'-32'	1.4' Tan medium sand, some fine sand, litttle coarse sand, trace gravel; wet.	MC	28'-32'	0.6ppm	53
	0.3' Tan finesand, trace medium sand; wet.				
	1.4' Tan medium sand, some fine sand, some coarse sand, trace gravel; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/25/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-33
PURPOSE	Soil Investigation
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.5' Brown fine sand, trace medium sand, trace gravel; dry.	MC	0'-4'	0.4ppm	88
	0.4' Red brick; dry.				
	0.3' Brown fine sand, trace medium sand, trace coarse sand; dry.				
	0.3' Concrete; dry.				
	0.5'Brown fine sand, little medium sand, trace coarse sand, trace gravel, trace red brick; dry.				
	0.4' Concrete; dry.				
	0.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
	0.8' Concrete; dry.				
4'-8'	0.2' Concrete; dry.	MC	4'-8'	0.2ppm	85
	0.6' Brown fine sand, little medium sand, trace gravel; dry.				
	0.5' Concrete; dry.				
	2.1' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
8'-12'	1.6' Brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	8'-12'	0.3ppm	50
	0.4' Black clay; sheen, moist, odor.				
16'-20'	2.6' Brown fine sand, little medium sand, trace coarse sand; moist.	MC	16'-20'	0.3ppm	65
12'-16'	1.7' Dark brown fine sand, little medium sand, trae coarse sand; wet.	MC	12'-16'	0.1ppm	100
	2.3' Brown fine sand, little medium sand, trace coarse sand, trace gravel; wet.				
20'-24'	1.9' Brown clayey fine sand, little medium sand, trace coarse sand ; wet.	MC	20'-24'	0.5ppm	48
24'-28'	0.7' Tan fine and medium sand, trace coarse sand; wet.	MC	24'-28'	0.6ppm	18

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-33

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	0.6' Brown fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	0.6ppm	65
	2.0' Dark brown fine sand, trace medium sand, trace coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/01/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-50
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~15'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.8' Brown fine sand, little medium sand, trace coarse sand; dry 1.1' Brown clayey fine sand, little medium sand; moist 0.2' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	0.0ppm	53
4'-8'	0.2' Brown fine sand, little medium sand, trace coarse sand; dry. 0.1' Concrete; dry. 0.3' Brown fine sand, little medium sand, trace coarse sand; dry. 1.1' Brown/black clay, trace fine sand, trace concrete; moist.	MC	4'-8'	0.4ppm	43
8'-12'	0.3' Brown clay, little fine sand, little medium sand; moist. 1.0' Brown fine sand, little medium sand, little coarse sand, trace black clay; moist. 0.5' Brown fine sand, little medium sand, little coarse sand; moist.	MC	8'-12'	2.5ppm	45
12'-16'	1.2' Black clay, some fine sand, little medium sand; moist. 2.8' Brown fine sand, some medium sand, little coarse sand; wet.	MC	12'-16'	0.8ppm	100
16'-20'	1.2' Brown fine sand, come coarse sand, little medium sand, trace gravel; wet.	MC	16'-20'	0.8ppm	30
20'-24'	1.0' Grey/tan fine and medium sand, little coarse sand, 0.05' band of black fine and medium sand in the middle; wet.	MC	20'-24'	0.8ppm	25
24'-28'	01.0' Tan fine and medium sand, come coarse sand, trace gravel wet.	MC	24'-28'	0.7ppm	48
28'-32'	1.8' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	0.3ppm	45

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/01/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-51
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	0.4ppm	38
4'-8'	0.1' Brown fine sand, little medium sand, trace coarse sand; dry. 0.6' Concrete; dry. 1.6' Brown fine sand, some medium sand, trace coarse sand, trace gravel; dry.	MC	4'-8'	0.2ppm	58
8'-12'	0.5' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry. 0.3' Concrete; dry. 1.3' Brown fine sand, some coarse sand, little medium sand, trace gravel; moist.	MC	8'-12'	0.3ppm	53
12'-16'	1.0' Brown fine sand, little coarse sand, trace medium sand, trace gravel, trace concrete; dry. 0.8' Brown medium sand, some fine sand, trace coarse sand, gravel; wet.	MC	12'-16'	0.3ppm	45
16'-20'	1.0' Brown fine sand, little coarse sand, trace medium sand, trace gravel, trace red brick; dry.	MC	16'-20'	0.1ppm	25
20'-24'	1.5' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.5ppm	38
24'-28'	0.5' Brown/black fine sand, some medium sand, little coarse sand; wet. 0.4' Black asphalt 0.9' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.6ppm	48

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/01/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-51

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	1.1' Brown Clayey fine sand, some coarse sand, little medium sand; wet.	MC	28'-32'	13.8ppm	53
	0.5' Black clay, little fine sand, trace medium sand; wet, odor.				
	0.5' Tan fine sand, some medium sand, some coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/01/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-52
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~15'
TOTAL BORING DEPTH: 32"

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.2' Brown fine sand, little medium sand, little coarse sand; dry. 0.2' Concrete; dry. 0.6' Brown fine sand, little coarse sand, trace medium sand; dry.	MC	0'-4'	0.4ppm	50
4'-8'	1.1' Brown fine sand, little medium sand, little coarse sand; dry.	MC	4'-8'	1.1ppm	28
8'-12'	1.5' Brown fine sand, little medium sand, little coarse sand, trace gravel, trace red brick, trace asphalt; dry.	MC	8'-12'	1.7ppm	38
12'-16'	0.4' Brown fine sand, some medium sand, little coarse sand; dry. 1.0' Brown clayey fine sand, little medium sand, little coarse sand; wet.	MC	12'-16'	3.1ppm	35
16'-20'	1.1' Brown fine sand, some clay, some coarse sand, little medium sand; wet. 0.5' Black clay, trace fine sand, trace medium sand; wet, odor.	MC	16'-20'	14.2ppm	40
20'-24'	0.2' Black clay, trace fine sand, trace medium sand; wet, odor. 1.5' Brown fine sand, some medium sand, little clay, little coarse sand, trace gravel; wet.	MC	20'-24'	1.7ppm	43
24'-28'	0.4' Brown fine sand, some coarse sand, little medium sand; wet. 0.4' Concrete; wet. 0.6' Brown fine sand, some medium sand, some coarse sand, gravel; wet.	MC	24'-28'	3.2ppm	38
28'-32'	1.3' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	1.4ppm	33

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/01/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-54
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.3' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.	MC	0'-4'	0.4ppm	48
	0.5' Red brick; dry.				
	0.1' Concrete; dry.				
4'-8'	0.1' Red brick; dry.	MC	4'-8'	0.2ppm	70
	0.1' Concrete; dry.				
	2.4' Brown fine sand, little medium sand, little coarse sand, trace concrete, trace asphalt, trace red brick; dry.				
8'-12'	1.1' Brown fine sand, little medium sand, little coarse sand, trace gravel, trace concrete; dry.	MC	8'-12'	0.3ppm	55
	0.6' Concrete; dry.				
	0.5' Brown fine sand, some coarse sand, little medium sand; dry.				
12'-16'	1.9' Brown fine sand, little medium sand, little coarse sand, trace gravvel, trace red brick, trace concrete; dry.	MC	12'-16'	0.3ppm	65
	0.7' Brown fine sand, little medium sand, little coarse sand, trace gravel; wet.				
16'-20'	1.7' Brown fine sand, some coarse sand, little medium sand, trace gravel. trace red brick; moist.	MC	16'-20'	0.1ppm	65
	0.8' Brown fine sand, little medium sand, little coarse sand, little clay, trace gravel; wet.				
	0.1' Black clay, some fine sand, little medium sand; wet.				
20'-24'	1.2' Brown/black clay, trace fine sand, trace medium sand; wet.	MC	20'-24'	0.5ppm	43
	0.5' Grey fine and medium sand, little coarse sand, trace gravel; wet.				
24'-28'	03' Black clay, some fine sand, little medium sand, trace coarse sand; wet.	MC	24'-28'	0.6ppm	50
	1.7' Grey fine and medium sand, little coarse sand, trace gravel wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-54

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	1.7' Grey fine and medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	1.7ppm	65

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/03/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-60
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~12'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.9' Brown fine sand, little medium sand, little coarse sand, trace gracel, trace red brick; dry.	MC	0'-4'	0.2ppm	48
4'-8'	2.0' Brown fine sand, some medium sand, little coarse sand, trace gravel; dry.	MC	4'-8'	0.3ppm	50
8'-12'	1.1' Brown fine sand, some clay, little coarse sand, trace medium sand; moist.	MC	8'-12'	1.0ppm	28
12'-16'	0.1' Brown fine sand, come clay, some medium sand, little coarse sand; wet. 0.2' Black clay, trace fine sand, trace medium sand; wet. 1.6' Brown fine sand, some medium sand, little clay, little coarse sand; wet.	MC	12'-16'	3.2ppm	48
16'-20'	0.5' Black clay, little fine sand, little medium sand; wet, odor. 1.6' Brown fine sand, some medium sand, little coarse sand, trace cly, trace gravel; wet. 1.1' Black clay, little fine sand, trace medium sand; wet.	MC	16'-20'	3.8ppm	80
20'-24'	0.4' Black fine sand, little clay, little medium sand, little coarse sand; wet. 0.3' Brown fine and medium sand, little clay, little coarse sand; wet.	MC	20'-24'	5.3ppm	18
24'-28'	0.2' Black clay, little fine sand, trace medium sand; wet. 0.7' Grey medium sand, some fine sand, some coarse sand; wet. 1.1' Tan fine sand, some medium sand, trace coarse sand; wet.	MC	24'-28'	6.8ppm	50
28'-32'	1.9' tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	0.5ppm	48

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-61
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.1' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.	MC	0'-4'	3.9ppm	50
	0.2' Red brick; dry.				
	0.7' Brown fine sand, litttle medium sand, little coarse sand, trace gravel; dry.				
4'-8'	1.1' Brown fine sand, little medium sand, little coarse sand; dry	MC	4'-8'	0.2ppm	28
8'-12'	0.6' Brown fine sand, little medium sand, little coarse sand, trace red brick; dry.	MC	8'-12'	0.3ppm	38
	0.9' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.				
12'-16'	0.7' Brown fine sand, little medium sand, little coarse sand; moist.	MC	12'-16'	0.3ppm	55
	0.4' Brown fine sand, some coarse sand, little medium sand, trace gravel; wet.				
	0.3' Black clay, trace fine sand; wet.				
	0.8' Brown fine sand, little medium sand, little coarse sand,l trace gravel;wet.				
	0.4' Black clay; sheen, moist, odor.				
16'-20'	1.3' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	16'-20'	0.1ppm	33
20'-24'	0.2' Black fine sand, some medium sand, some coarse sand; wet.	MC	20'-24'	0.5ppm	28
	0.1' Black clay, trace fine sand; wet, odor.				
	0.8' Brown fine sand, some medium sand, some coarse sand, trace gravel; wet.				
24'-28'	0.7' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.6ppm	48
	0.2' Black clay, trace fine sand; wet, odor.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-61

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	1.7' Brown/black fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	28'-32'	8.2ppm	58
	0.4' Black clay, trace fine sand; wet, odor.				
	0.2' Tan fine and medium sand, little coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-62
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.2' Brown fine and medium sand, little coarse sand; moist.	MC	0'-4'	0.7ppm	45
	0.2' Concrete; dry.				
	1.4' Brown fine sand, little medium sand, little coarse sand, trace gravel, trace red brick; dry.				
4'-8'	1.5' Brown fine sand, some coarse sand, little medium sand, trace gravel, trace concrete, trace red brick, trace asphalt; dry.	MC	4'-8'	1.2ppm	95
	0.7' Concrete; dry.				
	0.6' Brown fine sand, little medium sand, little coarse sand; dry.				
8'-12'	0.1' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	8'-12'	1.1ppm	78
	1.8' Concrete; dry.				
	0.6' Black clay; moist, odor.				
	0.6' Brown fine sand, some medium sand, little coarse sand, trace gravel; dry.				
12'-16'	0.1' Concrete; dry.	MC	12'-16'	0.9ppm	63
	2.1' Brown fine sand, some medium sand, little coarse sand, trace gravel, trace concrete, trace red brick; dry.				
	0.3' Brown fine and medium sand, little coarse sand, trace gravel; moist.				
16'-20'	0.4' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	16'-20'	0.3ppm	30
	0.8' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.				
20'-24'	No recovery.	MC	N/A	N/A	N/A
24'-28'	0.7' Brown/grey fine sand, some medium sand, little coarse sand; wet.	MC	24'-28'	13.1ppm	53
	1.4' Black clay, trace fine sand; moist, odor.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-62

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	1.2' Black clay, trace fine sand; wet, odor.	MC	28'-32'	9.8ppm	63
	0.7' Brown fine sand, some clay, little medium sand, little caorse sand, trace gravel; wet.				
	0.6' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-70
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~19'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.4' Brown fine sand, some coarse sand, little medium sand, trace gravel; dry.	MC	0'-4'	1.0ppm	60
4'-8'	1.8' Brown fine sand, some medium sand, some coarse sand, trace gravel, trace asphalt; dry.	MC	4'-8'	0.6ppm	45
8'-12'	2.4' Brown fine sand, some medium sand, some coarse sand, trace gravel; dry. 1.1' Tan fine sand, some medium sand, little coarse sand, trace gravel; moist.	MC	8'-12'	0.3ppm	88
12'-16'	0.6' Brown fine sand, some medium sand, little coarse sand, trace gravel; dry. 2.2' Tan fine sand, some medium sand, little coarse sand, trace gravel; moist.	MC	12'-16'	0.9ppm	70
16'-20'	1.2' Brown fine sand, some medium sand, little coarse sand, trace gravel; moist. 1.9' Tan fine sand, some mediu sand, little coarse sand, trace gravel; moist.	MC	16'-20'	0.4ppm	78
20'-24'	2.3' Tan fine sand, little medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	0.2ppm	58
24'-28'	1.9' Tan fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	0.5ppm	48
28'-32'	1.7' Tan fine sand, little medium sand, little coarse sand; wet.	MC	28'-32'	0.7ppm	43

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/07/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-71
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	0.4ppm	43
4'-8'	1.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.2' Light brown fine sand, trace medium sand; moist. 0.6' Brown fine sand, little medium sand, trace coarse sand, trace gravel, trace asphalt; moist. 0.2' Concrete; dry.	MC	4'-8'	0.6ppm	85
8'-12'	0.3' Brown dine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.1' Grey fine sand, some medium sand, little concrete; moist. 0.7' Brown/ black fine sand some clay, little medium sand. trace coarse sand, trace gravel; moist, odor.	MC	8'-12'	0.5ppm	28
12'-16'	0.3' Brown fine sand, little medium sand, trace coarse sand, trace gravel; wet. 0.2' Brown fine sand, trace medium sand, trace coarse sand, trace gravel; dry. 0.4' Brown fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	12'-16'	0.4ppm	23
16'-20'	2.0' Black clay, trace fine sand, trace medium sand; sheen, wet, odor.	MC	16'-20'	2.1ppm	50
20'-24'	0.7' Grey fine sand, some medium sand, trace coarse sand; wet. 0.4' Tan fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	20'-24'	0.3ppm	28
24'-28'	1.7' Tan fine sand, little medium sand, trace coarse sand, trace gravel; wet.	MC	24'-28'	0.2ppm	43

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-71

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	1.4' Tan fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	0.1ppm	38
	0.1' Grey fine sand, little medium sand, trace coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/07/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-72
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.6' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	0.8ppm	60
	0.7' Concrete; dry.				
	1.1' Brown fine sand, little medium sand trace coarse sand, trace gravel; dry.				
4'-8'	0.6' Brown fine sand, little medium sand, trace coarse sand, trace concrete; dry.	MC	4'-8'	0.4ppm	53
	1.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
8'-12'	0.2' Brown fine sand, little medium sand, trace coarse sand; moist.	MC	8'-12'	0.3ppm	18
	0.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.				
12'-16'	2.4' Brown/black clay, some fine sand, trace medium sand, trace coarse sand; wet, odor.	MC	12'-16'	0.4ppm	60
16'-20'	2.1' Brown fine sand, some medium sand, little clay, trace coarse sand; wet.	MC	16'-20'	0.3ppm	53
20'-24'	0.4' Black/ grey fine sand, little medium sand, trace coarse sand; wet.	MC	20'-24'	0.3ppm	23
	0.3' Brown fine sand, little medium sand, trace coarse sand; wet.				
	0.2' Black clay; sheen, wet, odor.				
24'-28'	Black fine sand, little medium sand, trace coarse sand; wet, odor. Low recovery, bagged directly from sampler..	MC	24'-28'	0.4ppm	??
28'-32'	0.7' Black/grey fine sand, some medium sand, little coarse sand; wet.	MC	28'-32'	1.2ppm	18

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-73
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.0' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	0'-4'	0.4ppm	50
4'-8'	2.2' Brown fine sand, little medium sand, little coarse sand, trace asphalt, trace red brick; dry.	MC	4'-8'	0.2ppm	55
8'-12'	1.0' Brown fine sand, little medium sand, trace coarse sand; moist. 0.2' Light brown fine sand, little medium sand, little coarse sand, moist.	MC	8'-12'	0.3ppm	30
12'-16'	2.0' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet. 0.4' Black clay; sheen, wet, odor.	MC	12'-16'	1.5ppm	60
16'-20'	0.8' Brown/black fine sand, little medium sand, trace coarse sand; wet.	MC	16'-20'	0.3ppm	20
20'-24'	1.3' Brown fine sand, little medium sand, trace coarse sand; wet. 0.1' Black fine sand, little medium sand, trace coarse sand; wet. 0.1' Brown fine sand, little medium sand, trace coarse sand; wet.	MC	20'-24'	0.5ppm	38
24'-28'	1.2' Brown/grey fine sand, little medium sand, trace coarse sand, gravel; wet.	MC	24'-28'	0.6ppm	30
28'-32'	1.5' Black clay, trace fine sand, trace medium sand; wet. 0.6' Grey fine sand, little medium sand, trace coarse sand, trace gravel; wet.	MC	28'-32'	3.1ppm	53

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/07/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-74
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.9' Brown fine sand, trace medium sand, trace coarse sand, trace concrete; dry.	MC	0'-4'	0.4ppm	48
4'-8'	2.0' Brown fine sand, little medium sand, trace coarse sand, trace concrete, trace asphalt; dry.	MC	4'-8'	0.2ppm	50
8'-12'	2.2' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	8'-12'	0.4ppm	55
12'-16'	1.5' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.6' Tan/brown fine sand, little medium sand, trace coarse sand; wet. 0.2' Black clay; wet. 0.2' Grey/brown fine sand, some medium sand, tracce coarse sand; wet.	MC	12'-16'	0.6ppm	63
16'-20'	0.7' Brown fine sand, little medium sand, trace coarse sand; dry. 1.1' Brown fine snad, some medium sand, trace coarse sand; wet. 1.1' Black clay, some fine sand, trace medium sand, trace coarse sand; wet, odor. 1.0' Brown fine sand, little medium sand, trace coarse sand, trace gravel; wet.	MC	16'-20'	1.1ppm	98
20'-24'	0.4' Brown fine sand, little medium sand, trace coarse sand; trace gravel; wet.	MC	20'-24'	0.2ppm	10
24'-28'	No recovery.	MC	24'-28'	N/A	0
28'-32'	2.3' Black clay, trace fine sand, trace medium sand; wet. 0.3' Grey/tan fine sand, some medium sand, trace coarse sand	MC	28'-32'	1.2ppm	65

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-75
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.1' Brown fine sand, little medium sand, trace coarse sand, trace concrete; dry. 0.4' Concrete; dry. 0.9' Brown fine sand, little medium sand, trace coarse sand, trace trace asphalt, trace redbrick; dry.	MC	0'-4'	1.1ppm	88
4'-8'	0.3' Brown fine sand, little medium sand, trace coarse sand, trace concrete; dry 0.4' Concrete; dry. 0.8' Brown fine sand, little medium sand, treace coarse sand, trace asphalt, trace red brick; dry.	MC	4'-8'	0.7ppm	38
8'-12'	2.4' Brown/black fine sand, little medium sand, trace coarse sand, trace asphalt, trace concrete; dry.	MC	8'-12'	1.0ppm	60
12'-16'	2.0' Dark brown fine sandlittle medium sand traace coarse sand trace concrete, trace aspalt; dry. 0.6' Tan/grey fine sand, some medium sand, trace coarse sand wet.	MC	12'-16'	1.5ppm	65
16'-20'	0.8' Brown fine sand, little medium, trace coarse sand, trace concrete; dry. 1.3' Grey fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	16'-20'	0.7ppm	53
20'-24'	0.1' Concrete; wet. 0.5' Dark brown fine sand, little medium sand, trace coarse sand, trace red brick, trace asphalt; dry. 1.0' Grey fine sand, some medium sand, trace coarse coarse sand; wet.	MC	20'-24'	0.8ppm	40
24'-28'	1.5' Grey/black fine sand, some medium sand, trace coarse sand trace gravel; wet.	MC	24'-28'	0.7ppm	38

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/07/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-75

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	1.2' Grey/black fine sand, some medium sand, trace coarse sand, trace gravel; wet.	MC	28'-32'	1.0ppm	38
	0.3' Tan fine sand, little medium sannd, trace coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/08/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-80
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.1' Brown fine sand, little medium sand, trace coarse sand, trace asphalt, trace concrete; dry.	MC	0'-4'	0.8ppm	53
4'-8'	0.8' Dark brown fine sand, little medium sand, trace coarse sand, trace concrete; dry. 1.4' Light brown fine sand, little coarse sand, trace asphalt; dry.	MC	4'-8'	0.6ppm	55
8'-12'	1.8' Brown fine sand, little medium sand, trace coarse sand; dry. 1.1' Brown/tan fine sand, little medium sand, trace coarse sand; moist.	MC	8'-12'	1.0ppm	50
12'-16'	0.3' Brown fine sand, little medium sand, trace coarse sand; moist. 1.0' Tan/dark brown fine sand, little medium sand, trace coarse sand; moist. 1.5' Tan fine sand, little medium sand, trace coarse sand; moist. 0.9' Tan medium sand, some fine sand, little coarse sandn, trace gravel; wet.	MC	12'-16'	1.0ppm	93
16'-20'	1.3' Brown fine sand, trace medium sand, trace coarse sand; moist. 2.6' Brown/tan medium sand, some fine sand, trace coarse sand; wet.	MC	16'-20'	0.8ppm	73
20'-24'	1.6' Tan fine sand, some medium sand, trace coarse sand; wet. 0.6' Tan medium sand, trace coarse sand, little fine sand, trace gravel; wet.	MC	20'-24'	0.7ppm	55
24'-28'	0.9' Tan medium sand, some fine sand, little coarse sand; wet. 1.0' Tan fine sand, little medium sand, little coarse sand; wet.	MC	24'-28'	0.6ppm	48
28'-32'	0.2' Brown fine sand, some medium sand, little coarse sand, trace gravel; wet. 0.4' Tan fine sand, trace medium sand, trace coarse sand; wet. 0.1' Tan fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	0.6ppm	18

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/08/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-81
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel, trace red brick, trace cement; dry.	MC	0'-4'	3.1ppm	43
4'-8'	0.2' Brown fine sand, trace medium, sand trace coarse sand; dry. 0.7' Tan fine sand, little medium sand, trace coarse sand; dry. 0.3' Brown fine sand, trace medium sand, trace coarse sand; dry.	MC	4'-8'	3.2ppm	30
8'-12'	1.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.1' Black clay; moist. 0.2' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	8'-12'	4.3ppm	43
12'-16'	0.4' Brown fine sand, little medium sand, trace coarse sand; moist. 0.5' Black clay; wet. 1.6' Brown fine sand, little medium sand, little coarse sand, trace gravel; wet.	MC	12'-16'	5.3ppm	63
16'-20'	0.3' Brown fine sand, little medium sand, trace coarse sand; dry. 0.9' Black clay, some fine sand, trace medium sand, trace coarse sand; moist. 0.9' Brown/grey sand, some medium sand, little coarse sand; moist.	MC	16'-20'	3.4ppm	53
20'-24'	No recovery.	MC	20'-24'	N/A	0
24'-28'	0.4' Black clay, little fine sand, trace medium sand; wet.	MC	24'-28'	11.5ppm	10
28'-32'	02' Grey fine sand, little medium sand; wet. 1.2' Tan fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	2.5ppm	35

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/08/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-82
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	2.1' Brown fine sand, little medium sand, trace coarse sand, trace contrete, trace red brick; dry.	MC	0'-4'	2.5ppm	63
	0.4' Dark brown fine sand, little asphalt, little medium sand, trace coarse sand; dry.				
4'-8'	0.5' Dark brown fine sand, little medium sand, little coarse sand, trace gravel, trace red bricck; dry.	MC	4'-8'	3.0ppm	75
	2.5' Brownfine sand, little medium sand, trace coarse sand, trace gravel, trace red brick; dry.				
8'-12'	0.2' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	8'-12'	2.5ppm	63
	0.2' Red brick; dry.				
	1.6' Brown fine sand, little medium sand, little coarse sand, trace gravel; dry.				
	0.5' Black fine sand, little medium sand, trace coarse sand, trace asphalt; moist.				
12'-16'	2.4' Brown fine sand, little medium sand, little coarse sand, trace gravel, trace red brick; moist.	MC	12'-16'	4.5ppm	83
	0.9' Brown/grey fine sand, little medium sand, trace coarse sand; wet.				
16'-20'	1.1' Brown fine sand, little medium sand, trace coarse sand; dry	MC	16'-20'	2.1ppm	93
	2.4' Brown/grey fine sand, little medium sand, little coarse sand, trace gravel; wet.				
20'-24'	1.2' Dark grey fine sand, some medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	4.6ppm	30
24'-28'	0.9' Dark grey fine sand, little medium sand, little coarse sand, trace gravel; wet.	MC	24'-28'	2.3ppm	48
	1.0' Grey fine sand, little medium sand, trace coarse sand, trace gravel; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/08/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-82

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
28'-32'	2.1' Grey fine sand, little medium sand, trace coarse sand, trace gravel; wet. 0.1' Black clay; wet, odor. 0.2' Grey/tan fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	3.5ppm	65

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/08/14-7/09/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-74
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.2' Brown fine sand, little medium sand, trace coarse sand, trace concrete; dry.	MC	0'-4'	5.5ppm	55
	0.5' Concrete; dry.				
	0.4' Brown fine sand, little medium sand, trace coarse sand, trace concrete; dry.				
	0.3' Concrete; dry.				
4'-8'	0.2' Concrete; dry.	MC	4'-8'	4.3ppm	48
	1.7' Brown fine sand, little medium sand, trace concrete, trace asphalt; dry.				
8'-12'	2.6' Brown fine sand, little medium sand, trace coarse sand, trace concrete, trace red brick, trace wood: dry.	MC	8'-12'	5.1ppm	80
	0.6' Tan fine sand, trace medium sand, trace coarse sand; dry.				
12'-16'	1.1' Brown fine sand, little medium sand, trace coarse sand, trace asphalt; dry.	MC	12'-16'	2.5ppm	90
	2.0' Tan fine sand, trace medium sand, trace coarse sand; dry.				
	0.5' Tan fine sand, little medium sand, little coarse sand; moist.				
16'-20'	0.2' Grey fine sand, some medium sand, trace coarse sand; wet.	MC	16'-20'	1.0ppm	45
	1.6' Tan fine sand, little medium sand, trace coarse sand; wet.				
20'-24'	0.1' Grey fine sand, little medium sand trace coarse sand; wet.	MC	20'-24'	1.1ppm	50
	1.1' Tan fine sand, little medium sand, trace coarse sand; wet.				
	0.5' Tan fine sand, trace medium sand, trace coarse sand; wet.				
	0.3' Tan fine sand, little medium sand, trace coarse sand, wet.				
24'-28'	0.1' Grey fine sand, little medium sand, trace coarse sand; wet.	MC	24'-28'	1.8ppm	53
	2.0' Tan fine sand, little medium sand, trace coarse sand; wet.				
28'-32'	2.0' Tan fine sand, little medium sand, trace coarse sand, trace gravel; wet.	MC	28'-32'	1.2ppm	50

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/09/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-91
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~15'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.8' Brown fine sand, little medium sand, trace coarse sand; dry.	MC	0'-4'	0.8ppm	50
	0.1' Concrete; dry.				
	0.3' Brown fine sand, trace medium sand, trace coarse sand; dry.				
	0.8' Dark brown fine sand, little medium sand, trace coarse sand, trace asphalt; dry.				
4'-8'	0.1' Dark brown fine sand, little medium sand, trace coarse sand; dry.	MC	4'-8'	0.7ppm	70
	1.7' Brown fine sand, trace medium sand, trace coarse sand; dry.				
8'-12'	0.3' Brown fine sand, trace medium sand, trace coarse sand; dry.	MC	8'-12'	1.1ppm	80
	0.4' Dark brown fine sand, little medium sand, trace coarse sand; dry.				
	03' Brown fine sand, little medium sand, trace coarse sand; dry.				
	0.7' Black/brown fine sand, trace medium sand, trace coarse sand, trace gravel; moist.				
	0.6' Brown fine sand, trace medium sand, trace coarse sand, trace gravel; moist.				
	0.3' Tan fine sand, little medium sand, trace coarse sand, trace gravel; moist.				
12'-16'	1.4' Dark brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	12'-16'	1.4ppm	93
	0.7' Tan fine sand, trace medium sand, trace coarse sand; moist.				
	1.4' Tan fine sand, little medium sand, trace coarse sand, trace gravel; wet.				
16'-20'	0.7' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry.	MC	16'-20'	0.7ppm	88
	1.0' Tan fine sand, little medium sand, trace coarse sand; wet.				
	0.9' Light grey fine sand, little medium sand, trace coarse sand, wet.				
	0.7' Tan fine sand, trace medium sand, trace coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 7/09/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-91

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
20'-24'	1.5' Tan fine sand, little medium sand, trace coarse sand; wet.	MC	20'-24'	1.8ppm	38
24'-28'	1.1' Tan fine sand, some medium sand, little coarse sand; wet.	MC	24'-28'	1.6ppm	58
	1.2' Tan fine sand, trace medium sand, trace coarse sand; wet.				
28'-32'	0.5' Tan fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	1.7ppm	38
	0.3' Tan medium sand, some fine sand, little coarse sand; wet.				
	0.7' Tan fine sand, little medium sand, trace coarse sand; wet.				

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME	DEC-Eastfarmingdale
SITE ADDRESS	Fairchild Republic Airport, Old Sump
	Broad Hollow Rd.
	East Farmingdale, NY
SITE ID NUMBER	152004
BORING I.D.	P-92
PURPOSE	Direct Push
DRILLING METHOD	Macro Core
DRILLING COMPANY	Clearwater Drilling Inc.
HEAD DRILLER	B. Vigliotta
LOGGED BY	J. Lohan
BOREHOLE DIAMETER	4"
DEPTH-TO-WATER	~16'
TOTAL BORING DEPTH	32'

SOIL SAMPLING METHOD
Type Macro Core

GROUNDWATER SAMPLING METHOD
Type N/A

BACKFILL Native Fill
FINISH N/A

COMMENTS Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	0.9' Brown fine sand, trace medium sand, trace coarse sand, trace gravel; dry. 0.7' Red brick; dry. 1.0' Brown fine sand, little red brick, trace medium sand, trace coarse sand; dry. 0.4' Red brick; dry. 0.5' Brown fine sand, trace medium sand, trace coarse sand, trace red brick; dry.	MC	0'-4'	0.9ppm	93
4'-8'	0.1' Brown fine sand, trace medium sand, trace coarse sand; dry. 0.3' Red brick; dry. 1.6' Brown fine sand, trace medium sand, trace coarse sand, trace gravel; dry.	MC	4'-8'	2.1ppm	50
8'-12'	1.3' Brown fine sand, little medium sand, trace coarse sand, trace red brick; dry. 0.1' Dark brown fine sand, trace medium sand; dry. 0.7' Brown fine sand, little medium sand, trace coarse sand; dry. 0.4' Dark brown fine sand, trace medium sand, trace coarse sand; moist.	MC	8'-12'	2.8ppm	63
12'-16'	1.0' Brown fine sand, little medium sand, little red brick, trace coarse sand; dry. 0.2' Brown/tan fine sand, little medium sand, trace coarse sand; moist. 0.4' Grey/black fine sand, little medium sand, trace coarse sand; wet.	MC	12'-16'	4.1ppm	40
16'-20'	1.0' Brown fine sand, little medium sand, little red brick, trace coarse sand; dry. 1.4' Brown fine sand, some clay, little medium sand, trace coarse sand; wet. 0.8' Black clay, trace fine sand, trace medium sand; wet, odor.	MC	16'-20'	5.8ppm	80

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

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Installation Date 6/25/14

DRILLING LOG - Direct Push Temporary Borehole Installation

Boring I.D. P-92

Depth Below Grade	Soil Lithology/Field Observations				
	Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
20'-24'	0.9' Grey fine and medium sand, little coarse sand, trace gravel; wet.	MC	20'-24'	3.1ppm	23
24'-28'	1.4' Tan fine sand, little medium sand, trace coarse sand, tracce gravel; wet.	MC	24'-28'	4.2ppm	35
28'-32'	0.5' Tan fine sand, little medium sand, trace coarse sand; wet. 0.5' Tan fine sand, some medium sand, little coarse sand; wet. 0.4' Tan fine sand, trace medium sand; wet. 0.5' Tan fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	3.7ppm	48

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

225 Atlantic Avenue
Patchogue, New York 11772
Tel (631) 447-6400
Fax (631) 447-6497
Email Info@Enviro-Asmnt.com
www.Enviro-Asmnt.com

Installation Date 7/09/14

DRILLING LOG - Direct Push Temporary Borehole Installation

DRILLING DETAILS

PROJECT/SITE NAME: DEC-Eastfarmingdale
SITE ADDRESS: Fairchild Republic Airport, Old Sump
Broad Hollow Rd.
East Farmingdale, NY
SITE ID NUMBER: 152004
BORING I.D.: P-93
PURPOSE: Direct Push
DRILLING METHOD: Macro Core
DRILLING COMPANY: Clearwater Drilling Inc.
HEAD DRILLER: B. Vigliotta
LOGGED BY: J. Lohan
BOREHOLE DIAMETER: 4"
DEPTH-TO-WATER: ~16'
TOTAL BORING DEPTH: 32'

SOIL SAMPLING METHOD
Type: Macro Core

GROUNDWATER SAMPLING METHOD
Type: N/A

BACKFILL: Native Fill
FINISH: N/A

COMMENTS: Intervals sampled: 4'-8', 8'-12', 12'-16', 16'-20', and 28'-32'.

Depth Below Grade	Soil Lithology/Field Observations: Description/Classification	Sample Type	Screening Interval	PID Reading	Percent Recovery
0'-4'	1.5' Brown fine sand, trace medium sand, trace coarse sand, trace red brick; dry. 0.4' Concrete; dry.	MC	0'-4'	0.4ppm	88
4'-8'	2.1' Brown fine sand, little medium sand, little concrete, trace coarse sand, trace gravel; dry.	MC	4'-8'	0.2ppm	85
8'-12'	0.5' Brown fine sand, little medium sand, trace coarse sand; dry. 0.4' Light brown fine sand, little medium sand, trace coarse sand; dry. 0.5' Light brown fine sand, little medium sand, trace coarse sand, trace gravel; moist.	MC	8'-12'	0.3ppm	50
12'-16'	1.3' Brown fine sand, little medium sand, trace coarse sand; dry. 0.1' Asphalt; dry. 0.2' Brown fine sand, little clay, little medium sand, trace coarse sand; moist. 0.4' Grey fine sand, little medium sand, trace coarse sand; wet.	MC	12'-16'	0.3ppm	65
16'-20'	1.4' Brown fine sand, little medium sand, trace coarse sand, trace gravel; dry. 0.7' Grey fine sand, little medium sand, trace coarse sand; wet. 1.6' Black fine sand, little medium sand, trace coarse sand; wet.	MC	16'-20'	0.1ppm	100
20'-24'	1.9' Grey fine sand, little medium sand, trace coarse sand; wet.	MC	20'-24'	0.5ppm	48
24'-28'	0.7' Black/grey fine sand, little medium sand, trace coarse sand; wet.	MC	24'-28'	0.6ppm	18
28'-32'	2.1' Grey fine sand, little medium sand, trace coarse sand, trace gravel; wet. 0.1' Grey/tan fine sand, little medium sand, trace coarse sand; wet.	MC	28'-32'	0.6ppm	65

"Trace", 1 - 10% "Some", 20 - 30%
"Little", 10 - 20% "And", 30 - 50%

Appendix B: Field Notes

DEC-~~Oakdale~~ 1619 6/9/14

12-16' @ 1146 PID 5.7 ~~Bob~~ comp

1.1 14

1.6 [illegible] Sand, Some Silt

Trace Gravel, moist, no odor

Interval 4-8 Sampled

backfilled w/ native f 16'-3' bgs.

[illegible] to grade w/ bentonite

patches w/ asphalt

Loc-10

11' N of N curb of [illegible]

5' E of MW

78 JPL

DEC-E Farmingdale 6/16/14

Start: 0630 on: 0745 off: 1400 End: 1500

Purpose: find sediment layer for sampling & install MW

on site: JPL (Geo) JH (CAMP) BV, DCV (CDI)

Equip: 06 PID, 07S

Weather: 70's, Sunny, light breeze

Notes

- JH on site upon arrival
- CDI on site @ ~ 0815
- JH reported some trouble setting up the PIN's for CAMP, called Pine Env.
- After 3' on G-17, called PM IH (EAR) to report findings. IH said to go to ~40' to 100f for sediment layer. (@ ~ 1023)
- After reaching 40', still no sign of sediment layer. Called IH who spoke w/ DER, said go to 50' & then install well Wether Sed layer is found or not. (called @ ~ 1100 AM)

After talking w/ IH, who discussed w/ Bob from DER interval 8-12 will be sent for testing as well possibly another

- CDI off site ~ 1345
- JH still on site upon departure

1 of 5 79 JPL

DEC-E Farmingdale 6/16/14

G17

Surf @ [illegible] PID 1.2 ppm
Brown F sand, some M, little C, little gravel
dry no odor organics
0-1' @ PID 0.5 ppm
Brown F sand, some M, little C, little gravel
dry, no odor. organics
1-4' @ 0905 PID 0.1 ppm
2.5/4
2.5 - Brown F sand, some M sand, little C sand
little gravel, dry, no odor
4-8' @ 908 PID 0.3
3.5/4
0.2 Brown F sand, some M, little C, Tr gravel
dry, no odor
0.3 - concrete
3 - Brown F sand, some M sand, little C sand
Tr gravel, dry, no odor
8-12' @ 0911 PID 0.0 ppm
2.9/4
2.0' Brown F sand, some M sand, little C
sand, tr gravel, moist
0.5 F black sand, tr M sand, moist
0.4 Tan F sand, little M sand, little C sand,
Tr gravel, moist no odor

G-17 cont.
12-16' @ 920 PID 0.0 ppm 4/4
3/4
0.2 Brown F sand, some M, little C, tr gravel
dry, no odor
1.2 Tan F + M sand, little C sand
moist
1.6 Tan F sand, some M sand, little C sand
little gravel, moist, no odor
16-20' @ 935 PID 0.5 ppm
1.2/4
1.2 Tan F sand, some M sand, little C sand
Tr gravel, wet no odor
20-24' @ 0950 PID 0.3 ppm
1.8/2
1.8 Tan F sand, som M sand, Tr C sand,
Tr gravel, wet, no odor
24-28' @ 1001 PID 0.2 ppm
1.8/2
1.8 Tan F sand, some M sand, Tr C sand,
Tr gravel, wet, no odor
28-32' @ 1015 PID 0.3 ppm
2/4
2.3 - Tan F sand, little M sand, Tr C sand, wet
0.2 - Tan F sand, some M sand, little C sand, Tr gravel wet

DEC-E farmingdale 6/16/14

G-17 cont

45' Tan F sand, little M sand, Tr C sand Tr gravel, wet

- CDI break while I called IH

32-36' @ 1044 PID 0.2

2.5/4

0.4 - Tan F sand, some M, little C sand, Tr gravel, wet

0.2 - Tan F sand, some M sand, wet no odor

1.9 Tan F sand, some M sand, little C sand, Tr gravel, wet

36-40' @ 1056 PID 0.4ppm

2.2/4

1.2 Tan F sand, some M sand, some C sand. Wet, no odor

1.0 Tan F sand some M sand, some C sand, Tr gravel, wet, no odor

- CDI break while I called IH

40-44' @ 1136 PID 0.3 ppm

1.9/2

1.9 Tan F+M sand, little C Sand, Tr gravel, wet, no odor

44-48 @ 1154 PID 0.3 ppm

2.5/4

DEC-E farmingdale 6/16/14

G-17 cont

1.0 Tan F sand, some M sand, Tr C sand wet no odor

0.6 - Tan F+M sand, some C Sand, Tr gravel wet no odor

0.8 - Tan F Sand, some M Sand, little C Sand wet, no odor

48-52' ~~CDI~~ @ 1215 PID 0.6 ppm

Well is screened from 50-40' bg by pre packed 0.01 slot screen

Well collapse from 50~20 bg, brought to grade w/ native fill & 5' bentonite seal from ~18-13' bg

- As per plan, well riser is ~3' above grade & capped w/ a lock

Walked to G-12 w/ JH to look @ tomorrows site

6/16/14 AEC - E Farmingdale JH 1/2

0730 on site

check wind direction with
smoke tube
E to W 0-5 mph

0820 set up downwind DR D549

initialize & zero instrument

conc 4.4
TWA 5.8

0930 set up upwind DAM
DR
initialize & zero DR

conc 3.3
TWA 4.9

6/16/14 AEC - E Farmingdale JH 2/2

- Called Aine Env. regarding discrepancies with previous AES
- Truck Holland routine potables

1020 Weather
Sunny
83°
wind ESE 3-8

1315 start breaking down
Comm Equip

1400 Secure site
lock gate
leave site

Community Air Monitoring Plan (CAMP)

Site: DEC - East Farmingdale
Part. Monitor ID:
Date: 6/16/14
PID ID:
Station: Up wind
Activity: Soil boring / well install

Particulate Monitor (ug/m^3)

Clock Time	Unit Time	Elasped	Conc.	TWA/15 min
0929			4.3	3.7
1000			2.5	5.0
1003			1.9	3.8
1019			2.3	3.6
1038			2.8	3.1
1057			2.4	3.5
1137			4.6	3.4
1148			3.6	3.4
1217			3.7	3.3
1237			5.4	3.4
1312			2.5	3.3

PID (ppm)

Clock Time	Unit Time	Elapsed	STEL/15 min	Peak	TWA/8 hours
0925				1.0	.04
1000				2.6	0.0
1003				3.6	0.4
1019			.03	3.8	0.5
1029			1.4	3.8	0.2
1057			0.0	3.8	0.2
1137			0.0	3.8	0.2
1148			0.0	3.8	0.2
1217			0.0	3.8	0.2
1237			0.0	3.8	0.1
			0.0	3.8	0.2

Conc. - Instantanous Concentration
Particulate Monitor TWA - Time Weighted Average (run time of 15 minutes)
PID TWA - Time Weighted Average (current sum/8 hours if less than 8 hours of data recorded)
STEL - Short Term Exposure Limit (15 minute moving average)

Community Air Monitoring Plan (CAMP)

Site: DEC - East Farmingdale | Part. Monitor ID:

Date: 6/16/14 | PID ID:

Station: Down gradient | Activity: soil boring / well install

Particulate Monitor (ug/m^3)

Clock Time	Unit Time	Elasped	Conc.	TWA/15 min
0922			3.6	5.0
0930			4.9	0.0
0941			4.2	1.3
1000			2.5	5.0
1022			7.7	5.0
1036			3.6	5.0
1102			7.9	5.0
1134			3.1	5.0
1151			6.7	5.1
1215			6.3	5.1
1241			2.9	5.2
1314			4.6	5.3

PID (ppm) ppm

Clock Time	Unit Time	Elapsed	STEL/15 min	Peak	TWA/8 hours
~~0927~~				~~1.0~~	~~.8~~
0930				0.0	0.0
0941				0.0	0.0
1000				0.0	0.0
1022				0.0	0.0
1036				0.0	0.0
1102				0.0	0.0
1134				0.0	0.0
1151				0.0	0.0
1215				0.0	0.0
1241				0.0	0.0
1319				0.0	0.0

PID for 1

Conc. - Instantanous Concentration
Particulate Monitor TWA - Time Weighted Average (run time of 15 minutes)
PID TWA - Time Weighted Average (current sum/8 hours if less than 8 hours of data recorded)
STEL - Short Term Exposure Limit (15 minute moving average)

DEC- E farmingdale

Purpose: Install MW on site

Equip: 075, PID #06

On site: JPL (Geo) RJP (CAMP) DCV/BV (CDI)

Weather: overcast, ~70's

Notes:

arrive on site w/ RJP @ 0800

CDI on site ~ 815

work table set up upwind of drill area

PID calibration checked prior to use.

CDI Rod bent while advancing the 20-24' section (@ ~ 0948). Found Shard of metal @ Bottom of lead rod.

DEC on site ~ 1245

G-12

Surf @ 0856 PID 1.3 ppm

Brown F Sand, Some M, Trc, Trg

0-1' @ 0859 PID 0.3 ppm

Brown F Sand, Som M, Trc, Trg

0-4' @ 0905 PID 0.1 ppm

4/4

3 Brown F Sand, Some M Sand, little C Sand, tr gravel, dry

0.3 - Concrete

0.3 Brown F Sand, Some M Sand, little C Sand, tr gravel, dry

0.2 - Concrete

0.3 - Brown F Sand, Some M Sand, little C Sand, tr gravel, dry

4-8' @ 0911 PID 0.2

2.5/4

0.8/1 Brown F Sand, Some M Sand, little C Sand, tr gravel, dry

1.2 dark brown F Sand, Some M Sand, little C Sand, tr gravel, dry

0.5 light brown F Sand, Some M Sand, little C Sand, tr gravel, dry

DEC: East farmingdale

8-12' @ 0916 PID 0.1 ppm

1.8/4

0.6 - brown F Sand, some M Sand, little C Sand, dry

0.6 - Dark brown F Sand, little M Sand, tr C Sand, tr gravel, moist

0.6 - Tan/light brown F+M Sand, little C Sand Tr gravel, moist

12-16 @ 0925 PID

3.4/4

0.6 - Brown F Sand, some M Sand, little C Sand, tr gravel dry

0.6 Tan F+M Sand, little C Sand, tr gravel, moist

0.8 Dark brown/tan F+M Sand, moist

0.4 - Concrete

1.5 Dark brown/Tan F Sand, some M Sand, little C Sand

16-20' @ 0935 PID

3.3/4

1.3 brown F Sand, little M Sand, Tr C Sand, Tr gravel moist

0.5 Concrete

G-12 Cont

1.5 grey/brown F+M Sand, some C Sand, little gravel, wet

20-24' @ 0958 PID 0.3 ppm

1.2/4

1.2 dark grey M Sand, some F Sand, some little C Sand. wet

24-28' @ 1015 PID 1.1 ppm

2/4 - too wet to measure

Dark grey/black F+M Sand, little C Sand Tr gravel. Wet. Organics (wood) faint odor (petrol?)

28-32' @ 1029 PID 0.9 ppm

1.5/4

1.5 dark grey/black M Sand, some F Sand some C Sand. wet faint odor (Petrol?)

AS discussed w/ IH (who spoke w/ BG) well set from 29'-19' bg w/ 5' bentonite from 18'-13' bg & filled in w/ native. Riser comes ~3' above grade

DEC East farmingdale 6/17/14

Well #3

0-4' @ 1201 PID
3.5/4
1.5 Light brown F Sand, little M Sand, Tr C Sand, Tr gravel dry, no odor
0.5 Brown F+M Sand, tr C Sand + gravel, dry
1.5 - Tan F Sand, little M Sand, tr C Sand tr gravel, dry
4-8' 1206 PID 0.1ppm
3.2/4
1.1 Tan M+F Sand, little C Sand, tr gravel, dry, no odor
0.3 Brown M+F Sand little C sand tr gravel dry, no odor
0.8 Tan M Sand, some F Sand, little C Sand, tr gravel, dry
8-12 @ 1211 PID
3.8/4
0.8 Tan F Sand, some M Sand, ~~little~~ Tr C Sand, Tr gravel dry, no odor
3.0 Brown F Sand, little M Sand, TrC Sand

DEC East farmingdale 6/17/14

Well #3 cont

12-16' @ 1224 PID 0.2 ppm
3.5/4
0.5 Light Brown F Sand, some M Sand, tr C Sand Tr gravel, moist
3.0 Brown, F+M Sand, little C Sand, Tr gravel wet, no odor
16-20' @ 1230 PID 0.3ppm
4.9/4
1.8 Brown F Sand, little M Sand Tr C Sand Tr gravel wet
2.9 Tan/grey F Sand, some M Sand Tr C Sand, Tr gravel, wet odor?
20-24' @ 1241 PID 0.1ppm
1.7/4
1.2 Tan M+C Sand, some F Sand, little gravel, wet
0.5 Tan M Sand, some F Sand, little C Sand Tr gravel wet
24-28' @ 1254 PID 0.2
4.4/4
4.4 Tan F Sand, some M Sand, tr C Sand tr gravel, wet

Well #3 cont.

28-32' @ B05 PID 0.3 ppm
1.5/4
Pan 1.5 Tan M+C Sand, some F Sand little gravel, wet, no odor

BG (DEC) says to go to 40' bg

32-36 @ BH4 PID 0.3 ppm
2.9/4
0.2 Tan F sand, some M Sand, ~~trace~~ little C sand, Tr gravel, wet
0.6 Tan F sand, some M sand Tr C Sand wet, no odor
0.5 Tan F Sand, some M Sand, Little C Sand, tr gravel, wet, no odor
0.6 Tan F sand, some M Sand, Tr C Sand wet no odor
36-40' @ B5& PID
2.3/4
.5 Tan F+M sand, Some C Sand, tr gravel wet no odor
.5 Tan M+C Sand, little F Sand, little gravel wet
0.5 Tan M+F Sand, some C Sand tr gravel wet, no odor

DEC-East farmingdale 6/17/14

0.3 Tan M+C Sand, Some gravel, tr F Sand wet
0.9 Tan F+M Sand, some C Sand, tr gravel wet

AS discussed w/ BG (DEC) hole will be left & well installed on 6/18/14.

06-17-14 DEC-EAST FARMINGDALE

OBJECTIVE: COMMUNITY AIR MONITORING PROGRAM (CAMP)

PERSONNEL

EAR (1) John P. Lahm
(2) Robert Peralta

CDI (3) Dennis Viglietta
(4) Bruce Viglietta

PM: (1) Tom Hofmann

CONDITIONS

Weather: Bright & sunny
Small cloud cover
Temp = 71°F @ 9:00
Wind: 3 MPH SSW
actual @ 9:00 SSW
some accuracy concern
actual observed via smoke tube

Location:
- open area
- in field
- nearby: East RT 110 & undeveloped
South: Kitchen & Bath Vanity
North: field long distance
a building ~2 miles.

west; fed.

06-17-14 DEC-EAST FARMINGDALE

CALIBRATION

(1) PID 02035

cal gas: 100 ppm isobutylene
zero cal: ambient air
cal check: 120.9 ppm @ 8:55
$\frac{|100 - 120.9|}{100} \times 100 = 20.9\%$ RSD
fail

calibrated cal check: 98.4 ppm @ 9:00
$\frac{|100 - 98.4|}{100} \times 100 = 1.6\%$ RSD

cal passes @ RSD < 20%

Data RAM 2242
zero cal: ambient air
cal: 100 ppm isobutylene Time Span

PID & Data RAM used optimal

(2) PID R12235
cal gas: 100 ppm isobutylene
zero cal: ambient air
cal check: 104.9 ppm @ 8:45
$\frac{|100 - 104.9|}{100} \times 100 = 4.9\%$ RSD
cal passes @ RSD < 20%

06-17-14 DEC-EAST FARMINGDALE

CALIBRATION:

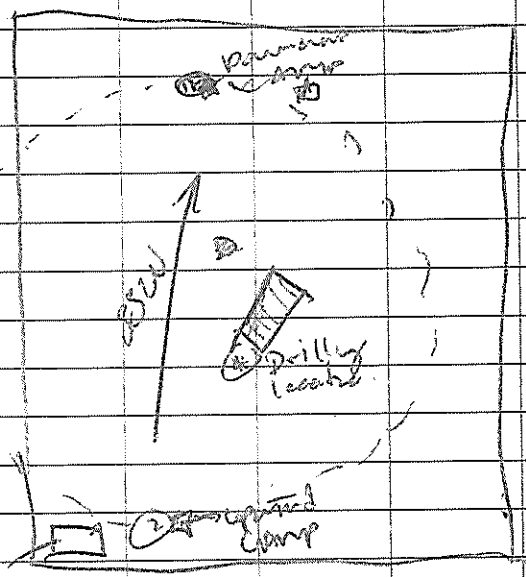
② Data RAM 006333
Cart 1 Normal
Cart 2 Normal
Time: 1 min
Zero air ambient air

PID + Battery use downwind

SKETCH

① Work location
-175 ft perimeter

1M



3 of 6

06-17-14 DEC-EAST FARMINGDALE

Datalog of upwind + downwind stations are from on CAMP Datasheet.

Initial

① Initial upwind 1 min for particulates

② Initial downwind radiation, high @ 30 mg/m³

LAPSE

① After a time interval downwind station values decreased + stabilized @ 22 - 30 mg/m³

② Upwind PID battery fails. Replaced battery. Re-calibrated cal check = 100.1 ppm 100 ± 10.1 ppm, 100 ± 1.5%. RSD < 10% encompasses as RSD ≤ 2%.
Datasheet note with * at 09:30
wind direction SSE @ 11.0 s

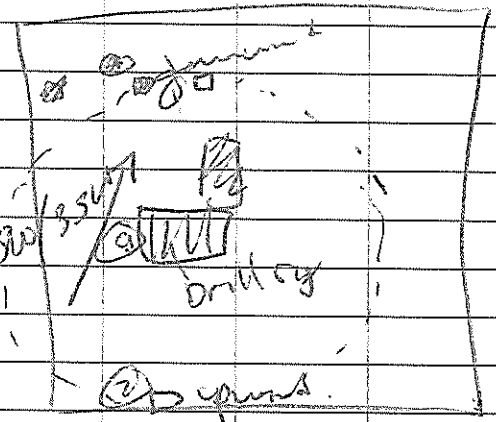
4 of 6

06-07-14 DEC-EAST FARMINGDALE

LOCATION

② Change location ~82 feet perimeter.

7 N



wind direction. SW/SSW

Data logged in data sheet labeled Calibration.

CALIBRATION

cal check for PID.

① PID R12237

cal check = 92.6 ppm @1416

$\frac{|100 - 92.6|}{100} \times 100 = 7.4\%$ RSD

cal passed as RSD ≤ 20% RSD.

5 of 6

RJP

06-17-14 DEC-EAST FARMINGDALE

④ PID 02035

cal check = 94.5 ppm @1423

$\frac{|100 - 94.5|}{100} \times 100 = 5.5\%$ RSD

cal passed as RSD ≤ 20% RSD

wind direction. SE @1430

6 of 6

RJP

Community Air Monitoring Plan (CAMP)

Site: DEC-EAST FARMINGDALE
Part. Monitor ID: 7242
Date: 01-17-14
PID ID: 020-35
Station: UPWIND
Activity: CAMP

Particulate Monitor (ug/m^3)

	Clock Time	Unit Time	Elasped	Conc.	TWA/15 min
Loc 1	09:03	09:04	0	1.5	1.0
	09:19	09:19	15	1.0	1.3
	09:34	09:35	31	0.7	1.4
	09:52	09:53	49	1.9	1.4
	10:05	10:06	1:02	1.6	1.4
	10:20	10:21	1:17	2.0	1.4
	10:34	10:35	91	1.7	1.4
	10:49	10:50	106	0.3	1.4
	11:03	11:04	120	1.5	1.4
	11:19	11:20	136	1.0	1.3
	11:33	11:34	150	1.6	1.3
Loc 2	1206	1207	0	5.5	5.2
	1221	1222	15	4.5	3.2
	1234	1235	30	2.5	2.9
	1251	1252	45	4.7	2.8
	1306	1307	60	3.5	2.6
	1322	1323	75	1.7	2.5
	1337	1338	90	3.5	2.5
	1352	1353	105	2.7	2.5
	1408	1408	120	3.4	2.6
	1415	1416	128	1.6	2.7

PID (ppm)

Clock Time	Unit Time	Elapsed	STEL/15 min	Peak	TWA/8 hours
09:03	09:03	0	9.1	0.0	0.6
09:19	09:19	16	0.0	0.0	0.6
*09:34	09:34	30	←	0.1	0.0
09:52	09:52	49	0.0	0.2	0.0
10:05	10:05	1:02	0.0	0.2	0.0
10:20	10:20	1:17	0.0	0.2	0.0
10:34	10:34	91	0.0	0.2	0.0
10:49	10:49	106	0.0	0.2	0.0
11:03	11:03	120	0.0	0.2	0.0
11:19	11:19	136	0.0	0.2	0.0
11:33	11:33	150	0.0	0.2	0.0
1206	1206	0	←	0.0	0.0
1221	1221	15	0.0	0.0	0.0
1234	1234	30	0.0	0.0	0.0
1251	1251	45	0.0	0.0	0.0
1306	1306	60	0.0	0.0	0.0
1322	1322	75	0.0	0.0	0.0
1337	1337	90	0.0	0.0	0.0
1352	1352	105	0.0	0.0	0.0
1408	1407	120	0.0	0.0	0.0
1415	1415	128	0.0	0.0	0.0

Conc. - Instantanous Concentration
Particulate Monitor TWA - Time Weighted Average (run time of 15 minutes)
PID TWA - Time Weighted Average (current sum/8 hours if less than 8 hours of data recorded)
STEL - Short Term Exposure Limit (15 minute moving average)

* Battery change Re-calibrated as instrument gave negative value. Newcal @ 9:32

Community Air Monitoring Plan (CAMP)

06-17-14

Site: DEC - EAST FARMINGDALE
Part. Monitor ID: ~~R12237~~ 006335
Date: 06-17-14
PID ID: R12237
Station: Downwind
Activity: CAMP

Particulate Monitor (ug/m^3)

Clock Time	Unit Time	Elasped	Conc.	TWA/15 min
9:16	09.15	0	22.5	9.7.7
09:28	9:28	13	22.8	33.3
0944	0945	29	26.1	29.4
09:59	10:00	45	25.9	27.6
10:15	10:16	60	23.5	27.0
10 30	1031	75	26.4	26.3
10.44	10:45	89	22.9	25.6
10:59	11:00	105	19.6	25.0
1115	1116	121	20.4	24.4
1129	1130	135	19.4	22.9
1143	1,44	149	19.2	21.2
1204	1205	0	21.2	22.9
1218	1219	14	20.1	20.1
1233	1234	30	18.6	19.8
1248	1249	45	18.7	19.7
1303	1304	60	19.9	19.7
1318	1319	75	20.1	19.8
1333	1334	90	24.6	20.2
1348	1349	105	21.6	20.6
1403	1404	120	24.8	21.0
1409	1410	126	24.4	21.2

PID (ppm)

Clock Time	Unit Time	Elapsed	STEL/15 min	Peak	TWA/8 hours
9:16	9:15	0	0.0	0.0	0.2
09:28	09:28	13	0.0	0.0	0.2
09:44	09:44	29	0.0	0.0	0.2
09:59	09:59	44	0.0	0.0	0.2
10:15	10:15	60	0.0	0.0	0.2
10:30	10:30	75	0.0	0.0	0.2
10:44	10:44	89	0.0	0.0	0.2
10:59	10:59	104	0.0	0.0	0.2
1115	1115	120	0.0	0.0	0.2
1129	1129	134	0.0	0.0	0.2
1143	1143	148	0.0	0.0	0.2
1204	1204	0		0.0	0.0
1218	1218	14	0.0	0.0	0.0
1233	1233	30	0.0	0.0	0.0
1248	1248	45	0.0	0.0	0.0
1303	1303	60	0.0	0.0	0.0
1318	1318	75	0.0	0.0	0.0
1333	1333	90	0.0	0.0	0.0
1348	1348	105	0.0	0.0	0.0
1403	1403	120	0.0	0.0	0.0
1409	1410	126	0.0	0.0	0.0

Conc. - Instantanous Concentration
Particulate Monitor TWA - Time Weighted Average (run time of 15 minutes)
PID TWA - Time Weighted Average (current sum/8 hours if less than 8 hours of data recorded)
STEL - Short Term Exposure Limit (15 minute moving average)

DEC - East Farmingdale 6/18/14

Purpose: Install monitoring wells

onsite: JPL (Geo), DCV/BV (CDI)

Equip: PID #06, 075

Weather: Sunny 80's - 90's.

Start-ass on 0630 off 1200 1145 End 1245

Notes:

BC (DEC) on site @ ~0730

JH on site ~630, Helped to set up CAMP off site @ ~700

BC off site 850-910.

BC left site ~1135

CDI off ~1186

CR-11

Surf @ 0737 PID 0.3 Grab

Brown F sand, some M, tr C, tr gravel, dry

0-1' @ 0738 PID 0.5 Grab

Brown F sand, some M, tr C, tr gravel, dry

0-4' @ 0745 PID 1.5 ppm MC

2-3/4

2.3 Brown F sand, some M sand, tr C sand, tr gravel, dry

4-8' @ 0756 PID

3-3/4

3.3 Brown F sand, some M sand, tr C sand tr gravel, dry

8-12 @ 802 PID 0.8 ppm

3.1/4

3.6 Brown F sand, little M sand, tr C sand tr gravel, dry

2.5 Tan F sand, little M sand, tr C sand tr gravel, moist

12-16 @ 0810 PID

25/4

1.0 Tan F+M sand, some C sand tr gravel moist

1.5 Tan F+M sand, some C sand, tr gravel wet

DEC - East farmingdale
CR-11 cont

16-20 @ 0814 PID 1.1 ppm
1/4
Tan F+M Sand, some C Sand, tr gravel wet

20-24 @ 0823 PID 1.3 ppm
1/4
0.4 Tan F+M sand, tr C sand, tr gravel wet
0.3 Black F+M sand, tr C Sand, tr gravel wet
0.3 Tan F Sand, some M sand, tr C Sand, tr gravel, wet

24-28 @ 0833 PID 1.4 ppm
3.5/4
0.2 Tan F+M sand, some C sand, tr gravel wet
0.2 Black Clay, little F, little M, wet
2.4 Tan F+M Sand, some C Sand, tr gravel wet
0.2 Black clay, some F Sand little C Sand tr gravel, wet
0.8 Tan F+M Sand, little C Sand, tr gravel wet
0.7 Black Clay w/ little F Sand

DEC-EAST FARMINGDALE
CR-11 cont

28-32 @ 0846 PID 0.6
1.9/4
0.1 Black clay, some F Sand, tr M sand, wet
1.8 Tan F+M Sand, little C Sand, tr gravel wet

(DEC)
AS Discussed w/ BC well set from 32-22' bg. start @ ~920
Interval sampled 24-29' bg
well collapse from 32 - 12.5'. Bentonite from 12.5' -> 7.5', brought to grade w/ native fill

Well #3
Screened interval set @ 30-20' bg
Collapse from 30 - 13.5' bg
Bentonite seal 13.5 — 7' bg
brought to grade w/ native fill

AS Discussed w/ BC (DEC)
will start on PCB area tomorrow

CAMP 6/15/14

Upwind

Conc. 0.0 ug/m3

L TWA 0.4 ug/m3

Run time 3.09

Downwind

Conc 1.2

TWA 1.2

PID

TWA 0

Stel 0

Peak 0

Run time 2 hrs

5 of 5 96 JPL

CAMP 6/18/14

Upwind

Conc. 0.0 ug/m3

L TWA 0.4 ug/m3

Run tim 3.09

Downwind PID

Conc 1.2 TWA 0

TWA 1.2 Stel 0

Peak 0

Run time 2 hrs

DEC - East farmingdale 6/19/14

Start 0530 on 0630 off 1345 End

Purpose: soil boring investigation

Equip: PID #6, 075, CAMP

on site: JPL (660) AD, BV (COI)

weather: ~ lo's 70's, overcast, light drizzle

notes:

COI on site ~ 0700

BG on site ~ 0800

off site ~ 1100

All boring locations returned to grade w/ native fill

Sampled intervals:

P-31: 4-8, 8-12, 12-16, 28-32

P-29: 4-8, 8-12, 12-16, 16-20, 28-32

P-28: 4-8, 8-12, 12-16, 16-20, 28-32

P-31

0-4' @ 0735 PID 0.3 ppm

2.9/4

2.9 Brown F Sand, some M sand, tr C Sand, tr gravel, dry

4-8' @ 0739 PID 0.3 ppm

3.1/4

1.5 Brown F Sand, some M sand, tr C sand, tr gravel, dry

0.3 - Red brick

0.5 - Brown F Sand, some M sand, tr C sand tr gravel, dry

0.4 - concrete

0.3 - Red brick

8-12' @ 745 PID 0.4

1.2/4

0.3 - Brown F Sand, some M Sand, tr C Sand tr gravel, dry

0.2 - Red brick

0.4 - Brown F Sand, some M sand, tr C sand, tr gravel, moist

0.3 - Black F Sand, some M sand, tr C, tr gravel moist

P-31 cont

12-16 @ 0751 PID 0.4

3.5

1.2 - Brown F Sand, tr M Sand, tr gravel moist

2.3 - Tan F+M Sand, some C Sand, tr gravel wet

16-20 @ 800 PID 0.4 ppm

1/4

1 Tan F+M sand, little C Sand, tr gravel wet

20-24' @ 0812 PID 0.3

1.5/4

1.5 - Tan M+C sand, some F sand, tr gravel wet

24-28' @ 0824 PID 0.5

1.7/4

1.7 Tan M+C Sand, some F Sand, tr gravel wet

28-32' @ 0839 PID

1.2/4

1.2 Tan M+C Sand, little F Sand, tr gravel wet

DEC E farmington 6/19/14

P-2 cont

0-4' @ 0927 PID 0.2 ppm

3.4/4

0.5 Brown F Sand, Som M sand, tr C, tr G, dry

1.3 Dark brown F Sand, Som M Sand, tr C Sand, tr Gravel, dry

0.8 Brown F Sand, some M Sand, tr C Sand tr concrete

0.8 – Concrete & Red brick

4-8' @ 0933 PID 0.2 ppm

1.8

2.6 Brown F Sand, some M Sand, tr C Sand dry

0.6 Concrete & Red brick

0.6 Brown F Sand, some M Sand, tr C Sand tr gravel, dry

8-12 @ 0940 PID

3.6/4

1.8 Brown F Sand, Some M Sand, tr C Sand, tr gravel/red brick, Mo.st

0.6 Concrete

1.2 Brown F Sand, some M Sand, tr C Sand tr gravel, moist

4 of 10 100 JPL

P-2 cont

12-16' @ 0944 PID 0.1 ppm

3.9/4

1.6 - Brown F Sand, Some M, tr C, tr gravel moist Tr red brick

0.2 pulverized cement

1.2 Tan F+M Sand, little C Sand, tr gravel

2.0 ~~light brown~~ Tan M+C Sand, Some F Sand tr gravel, wet

16-20' @ 0952 PID 0.4

1.7/2

2.5 - Tan M Sand, Some F Sand, little C Sand tr gravel, wet

2.3 Tan F Sand, some M Sand, tr C Sand, tr gravel, wet

0.4 Tan M Sand, Some F Sand, little C Sand tr gravel, wet

2.5 Tan F Sand, Some M Sand, tr C Sand tr gravel, wet

20-24' @ 1004 PID 0.4 ppm

1.7/4

2.2 grey M+C Sand, Some F Sand wet

2.5 Tan M+C Sand, Some F Sand, tr gravel, wet

5 of 10 101 JPL

DEC-E Farmingdale 6/19/14

P-29 cont

0.5 Tan F Sand, some M sand, tr C sand wet

0.5 Tan M+C sand, some F sand, tr gravel wet

24-28' @ 1020 PID 0.6 ppm

0.7/4

0.7 - Tan M+C sand, some F Sand, tr gravel wet

28-32 @ 1033 PID

1.7/4

0.9 Tan F+M sand, tr C Sand, tr gravel wet

0.3 Tan M+C sand, little F sand, tr gravel wet

0.5 Tan F Sand, some M sand, tr C Sand wet

6 of 10 102 JPL

P-28

0-4' @ 1116

3.2/4

2.0 Brown F sand, little M sand, tr C Sand, dry

0.5 Tan F Sand, some M Sand, little C Sand tr gravel dry

0.7 Brown F sand, little M Sand, tr C Sand

4-8 @ 1121 PID

3.5/4

2.8 Brown F Sand, little M Sand, tr C Sand, tr gravel, tr concrete dry

0.3 Concrete

0.4 Brown F Sand, little M Sand, tr C Sand, dry

8-12' @ 1128 PID 0.2 ppm

2.9/4

2.5 Brown F Sand, some M Sand, tr C Sand, moist

0.3 ~~light brown~~ Tan F Sand, some M Sand, tr C Sand, moist

0.2 concrete

0.3 Brown F Sand, some M Sand tr C Sand moist

7 of 10 103 JPL

DEC - E farmingdale 6/19/14

P-28 cont

1.8 concrete w/ Brown F sand, little M sand moist

12-16 @ 1135 PID 0.3 ppm

2.4/4

0.3 Brown F sand, little M sand, tr C sand, moist

0.4 concrete

0.9 light brown F+M sand, little C sand tr gravel wet

0.7 Tan F+M sand, little C sand, tr gravel wet

16-20' @ 1145 PID 0.5

2.5/4

1.3 grey F+M sand, little C sand, tr gravel wet

1.2 Tan M+C sand some F sand, tr gravel wet

20-24 @ 1150 PID 0.4

1.5/4

1.5 Tan F+M sand, little C sand tr gravel, wet

P-28 cont

24-28 @ 1159 PID 0.2

2.2/4

2.2 Tan F+M sand, little C sand tr gravel, wet

28-32 @ 1215 PID

1.4/4

1.4 Tan F+M sand, little C sand, tr gravel, wet

DEC-E farmingdale 6/19/14

CAMP 6/19/14

Upwind

PID			DataRam
TWA	0.1	Conc	0.0
STEL	0.0	TWA	0.5 ug/m³
Peak	0.4		
		Run	5.27

Downwind

PID			DataRam
TWA	0.7	Conc	5.5
STEL	0.0	TWA	6.8
Peak	7.7		
		Run	5.55

10 of 10 JPL

DEC - East Farmingdale 6/20/14

P-23 cont

12-16 @ 1000 PID 0.5 ppm

3.8/4

1.1 Brown F sand, Some M Sand, tr C Sand, tr gravel, moist

0.1 Tan F Sand, little M Sand, tr C Sand, tr gravel, moist

0.5 Brown F Sand, Some M Sand, tr C Sand, tr red brick, moist

2.1 Tan F Sand, Some M Sand, tr C sand, tr gravel, moist

16-20 @ 1009 PID 0.4

3.8/4

0.4 Tan F+M Sand, Some C Sand, tr gravel, moist

0.8 Brown F Sand, little M Sand, tr C Sand, tr red brick

2.6 Tan F Sand, Some M sand, little C Sand, tr gravel, wet

20-24 @ 1017 PID 0.4 ppm

2.1/4

2.1 Tan F Sand, Some M Sand, little C Sand, tr gravel, wet

24-28 @ 1026 PID 0.4 ppm

2.0/4

2.0 Tan F+M Sand, little C Sand, tr gravel, wet

28-32 @ 1038 PID 0.8 ppm

2/4

1.0 Tan F+M Sand, tr C Sand, tr gravel, wet

Camp

Upwind

TWA 0.0 ug/m3 0.0 ppm

Downwind 0.

TWA 0.0 ug/m3 0.0 ppm

Scale: 1 square =

DEC EAST farming date 4/20/14

Start: 0530 on: 0645 off: End:

Purpose: Advance soil borings in PCB zone
on site: JPL (Geo), BV/DCV (CDI) Joe (Raw)
Equip: 07 Sprinter, PID #06, CAMP Equip
weather: Sunny

notes
CDI on site ~0700
Joe on site ~0715, off ~0830, back ~0930
Hit refusal twice on P-27, location moved ~3ft
Pin clogged w/ Dirt, Drill stopped to clean it (P-27 2@24 ~@825

P-27
0-4' @0740 PID 5.3
3.1/4
2.2 Brown F sand, little M sand, tr C sand, tr gravel & concrete, dry
0.5 - concrete
0.4 - Brown F sand, little M sand, tr C sand, tr gravel, dry
4-8 @ 0750 PID 0.2
3.5
1.2 Brown F sand, little M Sand, tr C Sand, tr gravel
0.6 concrete
0.7 Tan ~~F~~ Sand, some M Sand, little C sand, tr gravel, moist
1.0 Brown F sand, ~~little~~ tr M Sand, moist
8-12 @ 0755 PID 1.2
2.9/4
2.4 - F Sand, little M sand, tr C sand, tr gravel, moist
05 - Concrete
12-16 @ 0801 PID 0.4
1.8/4
0.4 Brown F sand, some M sand, tr C sand, tr gravel, moist
0.5 Concrete
0.9 Tan F Sand, some M sand, tr C sand, tr gravel, moist

Scale: 1 square =

DEC - East Farmingdale
P-27 cont
16-20' @ 0809 PID 0.8 ppm
2.6/4
0.8 Brown F Sand, little M Sand tr C Sand, tr gravel, dry
1.8 Tan F+M Sand, little C Sand, tr gravel, moist
20-24' @ 0836 PID 0.4 ppm
2/4
1.5 Tan F Sand, some M Sand, tr C Sand, wet
0.5 Tan M Sand, some F Sand, little C Sand, tr gravel, wet
24-28 @ 0848 PID 0.1 ppm
2.1/4
2.1 Tan, M+C Sand, some F Sand, ~~tr~~ tr gravel, wet
28-32 @ 0900 PID 0.3 ppm
1/4
2.0 Tan M+C Sand, some F Sand, little gravel wet

Boring returned to grade w/ native fill

~~P-23 @ 0943 PID~~
~~2.8/4~~
P-23
0-4 @ 0943 PID 1.8 ppm
2.8/4
0.6 Brown F Sand, little M Sand, tr C Sand tr gravel, dry
0.8 - Black F Sand, little M Sand, little C Sand moist
1.4 Brown F Sand, little M Sand, tr C Sand, tr gravel, dry
4-8 @ 0950 PID 0.6
2.2/4
0.3 Black F Sand, little M Sand, little C Sand, moist
0.6 brown F Sand, little M Sand, tr C Sand, tr gravel moist
0.5 Concrete
0.2 Brown F Sand, some M Sand, tr C Sand, tr gravel, moist
0.5 Concrete
0.1 Brown F Sand, some M Sand, tr C Sand, moist
8-12 @ 0954 PID 0.5
1.3/4
0.3 brown F Sand, some M Sand, tr C Sand, tr gravel, dry
0.2 Black F Sand, some M Sand, tr C Sand, tr gravel, moist
0.8 light brown F Sand, tr M Sand

Scale: 1 square =

DEC-E farmingdale 6/19/14

CAMP 6/19/14

Upwind

PID		DataRun	
TWA	0.1	conc	0.0
STEL	0.0	TWA	0.5 ug/m3
Peak	0.4		
		Run	5.27

Downwind

PID		DataRun	
TWA	0.7	conc	5.5
STEL	0.0	TWA	6.8
Peak	7.7		
		Run	5.55

10 of 10 JPL

DEC-E farmingdale 6/23/14

Start: 0530 on: 0645 off End

Purpose

on site: JPL (Geo) DCV/BV (CDI)

Equip: 07S, PID #06, Camp Equip

Weather:

notes

CDI on site @ 0700

Camp set up before start of work

PIDs calibrations checked

Hit refusal on the 4-8' interval of P-2H due to too much concrete. location moves ~6'

CDI developed ISSue w/ Rig (Screw loose/Stripped hole) they coordinated w/ PM IH to rent a rig for tomorrow

1 of 8 JPL

DEC- East Farmingdale 6/23/14

P-21

0-4 @ 0751 PID 0.2 ppm

1.4/4

0.4 light brown F sand, tr M, tr C, tr gravel, dry. Tarp @ bottom

1.0. Brown F sand, tr M sand, tr C sand, tr gravel, dry

4-8 @ 757 PID 0.1

2.7

0.1 - concrete

0.7 - Brown F Sand, little M sand, tr C sand, tr gravel

0.4 - concrete

2.2 - Brown F sand, little M sand tr C, tr gravel, dry

0.4 - concrete

0.4 - Brown F sand, little M sand, tr C sand, tr gravel, dry

0.3 - red brick

0.2 Brown F sand, little M sand, tr C sand, tr gravel, dry

8-12' @ 0803 PID 0.8

2.8/4

0.4 - Brown F sand, little M, tr C, tr gravel, dry

0.8 - concrete

1.9 - Black [illegible] F clay, sheen, odor (?)

0.5, Brown F sand, little M sand, tr C sand, tr gravel, moist

P-21 cont

12-16 @ 0810 PID 0.6 ppm

4/4

1.7 Brown F sand, little M sand, tr C sand, tr gravel, moist

2.3 Tan F sand, some M sand, tr C sand, tr gravel, moist

16-20 @ 0817 PID 0.8 ppm

4/4

0.1 black clay

0.3 Tan F sand, some M sand, tr C sand, tr gravel, moist

1.1 - Brown F sand, some M sand, tr C sand tr gravel, moist

2.5 Tan F sand, some M sand, tr C sand wet

20-24' @ 0827 PID 0.6 ppm

1.8/4

1.8 Tan F-M sand, tr C sand, tr gravel, wet

24-28 @ 0839 PID

0.9/4

0.9 Tan F-M sand, tr C sand, tr gravel wet

28-32 @ 0850 PID 0.4 ppm

0.8/4

0.8 Tan Med Sand, little F sand, tr gravel, moist

DEC - East Farmingdale 6/23/14

P-11

0-4' @ 0939 PID 35.0

2.9/4

0.2 Brown F sand, tr M sand, tr C sand, dry

0.1 concrete

2.6 Dark brown F sand, little M sand, tr C sand tr gravel, tr concrete, dry

4-8 @ 0945 PID 0.9

2.8

0.3 Black F sand, tr M sand

2.7 - Brown F sand, little M sand, tr C sand, tr gravel, dry

0.3 concrete

0.5 - Brown F sand, little M sand, tr C sand, tr Gravel, moist

8-12 @ 0951 PID 2.7

2.0/4

2.0 Brown F sand, little M sand, tr C sand moist

0.9 - Brown F sand, little M sand, tr C sand, tr gravel, moist

0.2 Red brick

12-16 @ 0955 PID 3.1

0.8/4

0.6 Brown F sand, little M sand, dry

0.2 concrete

16-20 @ 1002 PID 6.7

3.8/4

2.2 Brown F sand, some M sand, tr C sand moist

1.1 Black clay/Petrol Jelly

2.5 Tan M sand, some F sand, some C sand tr gravel, wet

20-24 @ 1012 PID 0.9

2.0/4

2.0 Tan F+M sand, some C sand, tr gravel wet

24-28 @ 1022 PID 0.7 ppm

1.9/4

1.9 Tan F+M sand, little C sand, tr gravel, wet

28-32 @ 1034 PID

2 /4

2 Tan F+M sand, some C sand wet

DEC - East farming dale 6/23/14

P-24

0-4 @ 1108 PID 0.3

2.7

2.0 Brown F sand, little M sand, tr C sand, tr gravel dry

0.5 concrete

0.2 Brown F sand, little M sand, tr C sand dry

4-8' @ 1126 PID 1.1

2.1/4

0.5 - Brown F sand, little M sand, tr C sand dry

1.1 - concrete

0.5 - Brown F sand, tr M sand, tr C sand dry

8-12' @ 1130 PID 0.4

1.6/4

1.6 - Brown F sand, little M sand, tr C sand tr concrete, tr gravel

12-16' @ 1140 PID 0.8 ppm

3.9

1.8 - Brown F sand, little M sand, tr C sand tr gravel, mo. St

2.1 - Tan F + M sand, little C sand, tr gravel wet

6 of 8 112 JPL

P-21, P11

borings retained to grade using native fill

P-24 left open to be completed tomorrow

7 of 8 113 JPL

DEC East Farming dale
CAMP 6/23/14

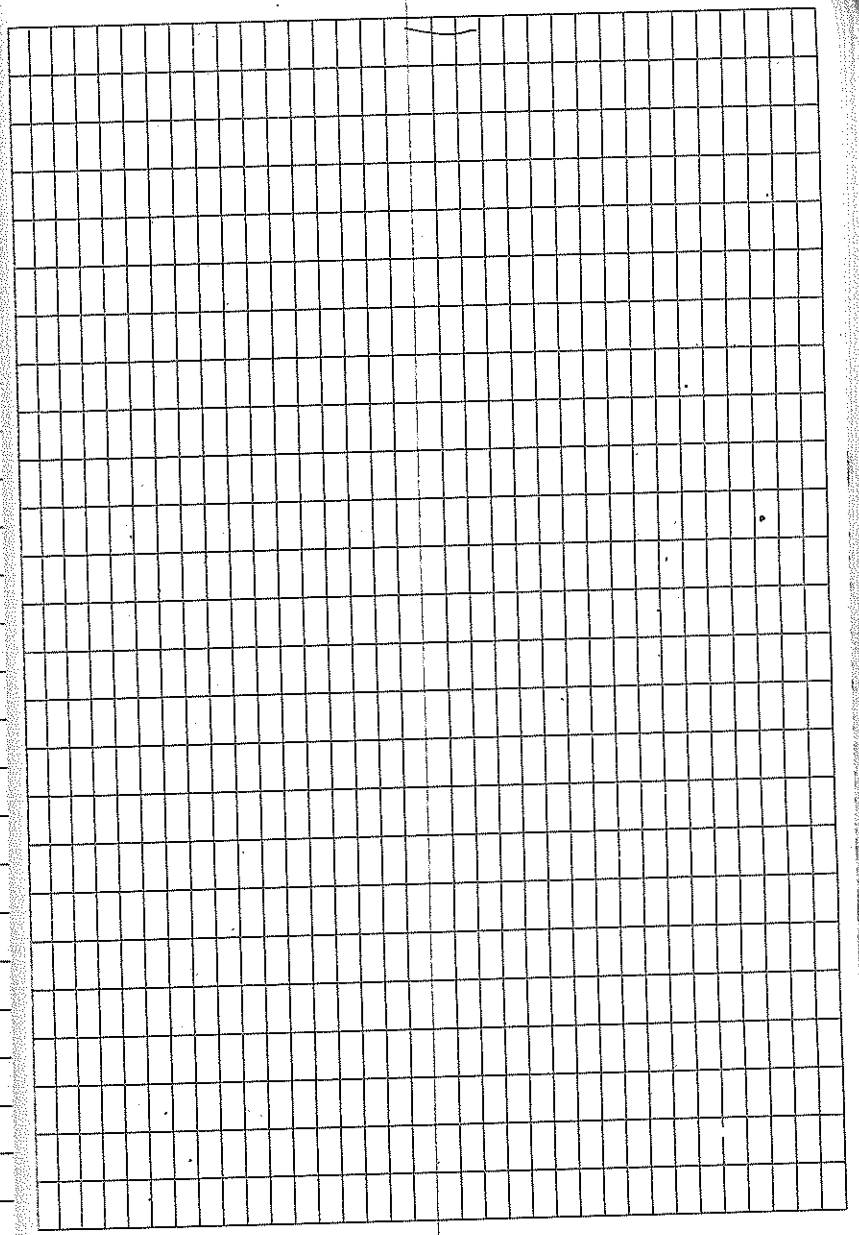
Up wind

TWA 0.0ppm, 2.5 ug/m³

Down wind

TWA 0.0ppm, 0.3 ug/m³

8 of 8 114 JPL



~~DEC-Eastfarmingdale~~
CAMP 6/23/14

Up wind

TWA 0.0ppm, 2.5 ug/m³

Down wind

TWA 0.0ppm, 0.3 ug/m³.

6 of 8 114 JPL

DEC-Eastfarmingdale 6/24/14

Start: 0700 on: 0730 Off End

Purpose: Advance soil borings

Equip: 07s, PID #506

on site: JPL (Geo) DCV/BV (CDI)

weather: ~80, Partly Cloudy

notes

Dennis on site ~0700

Bruce on site w/ rig ~0730 #two

* Hit refusal on P-07 4 times, one rod bent

As discussed w/ PM IH (who spoke w/ DEC) on site hours will be extended to ~8hrs to increase # of borings per day.

1 of 115 JPL

DEC-East farmingdale 6/24/14

P-24 Day 2

16-20' @ 805 PID 0.7 ppm

1/4

0.2 grey F+M Sand, some M Sand, little C Sand, tr gravel, wet

0.8 Tan F sand, some M sand, little C sand, tr gravel, wet

20-24' @ 0818 PID 0.3 ppm

1.8/4

1.8 Tan F+M sand, little C sand wet

24-28' @ 0831 PID 0.5 ppm

2/4

0.2 Tan M+C sand, little F Sand, tr gravel wet

0.6 Tan F sand, some M Sand, little C Sand, tr gravel wet

1.2 Tan M sand, some C Sand, little F sand, tr gravel wet.

28-32' @ 0844 PID 0.4 ppm

1.9/4

1.9 Tan M sand, some F sand, some C Sand, tr gravel wet

DEC

P-25

0-4 @ 0916 PID 0.3

2.9/4

1.6 - Brown F sand, tr M sand, tr C Sand dry

0.6 Brown stiff clay

0.3 Brown F sand, tr M sand, tr C Sand, dry

4-8' @ 0928 PID 0.6

1.1/4

0.6 Brown F Sand little M Sand, tr C Sand dry

0.5 Brown clay wet

8-12 @ 0925 PID 6.2

2/4

0.4 Brown clay, moist

0.3 Brown f Sand little M Sand, tr C Sand, dry

1.3 Black Clay, petrol odor w/ some Brown F Sand, tr Brown M Sand

12-16 @ 0932 PID 0.7

2.2/4 some clay

2.2 F Brown Sand, little M Sand, tr C Sand tr gravel, moist

26-20 @ 0939 PID 1.9

1.1/4

DEC-East Farmingdale 6/24/14

P-08 Cont

1.1 Brown F sand, little Clay, little M sand, tr C sand moist

20-24 @ 0950 PID 0.4ppm

2.7

0.5 Brown F sand, little M sand, tr C sand moist

1.4 Brown Clay, some F Sand, little M Sand, tr C sand wet

0.8 Brown F Sand, little M sand, tr clay, tr C sand wet

24-28 @0958 PID 0.7ppm

0.7/4

0.7 Brown F sand, little M sand, tr C Sand, tr gravel, wet

28-32' @1013 PID 0.7 ppm

0.9/4

0.4 Brown/black F sand, some M Sand, tr C Sand wet

0.5 Tan F sand, some M sand, little C sand, tr gravel wet

P-07

0-4' @ 1112 PID

3.5/4

2.5 - Brown F sand, tr M sand, tr gravel dry

2.4 - Red brick

0.3 Brown F sand, little M, tr C dry

0.3 - concrete

0.5 - Brown F, little M, tr C, tr gravel, red brick, dry

0.4 - concrete

0.3 - Brown F sand, little M, tr C, tr gravel, dry

0.8 concrete

4-8 @ PID

3.4

0.2 Concrete

0.6 - Brown F sand, little M sand, tr gravel

0.5 - concrete

2.1 - Brown Fine sand, little M sand, tr C sand, tr gravel, dry

CAMP

Upwind

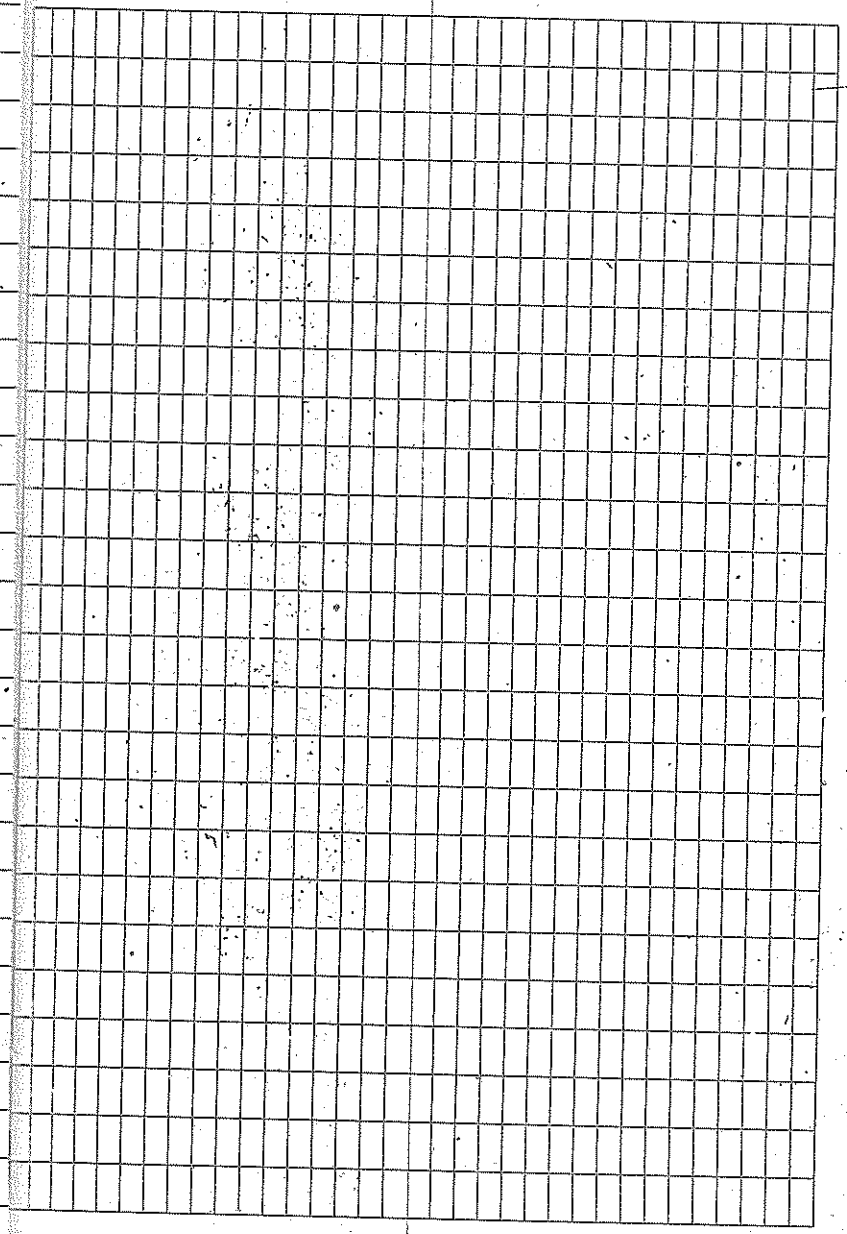
TWA 1.8 ug/m³ , — ppm
PID shut off during the day

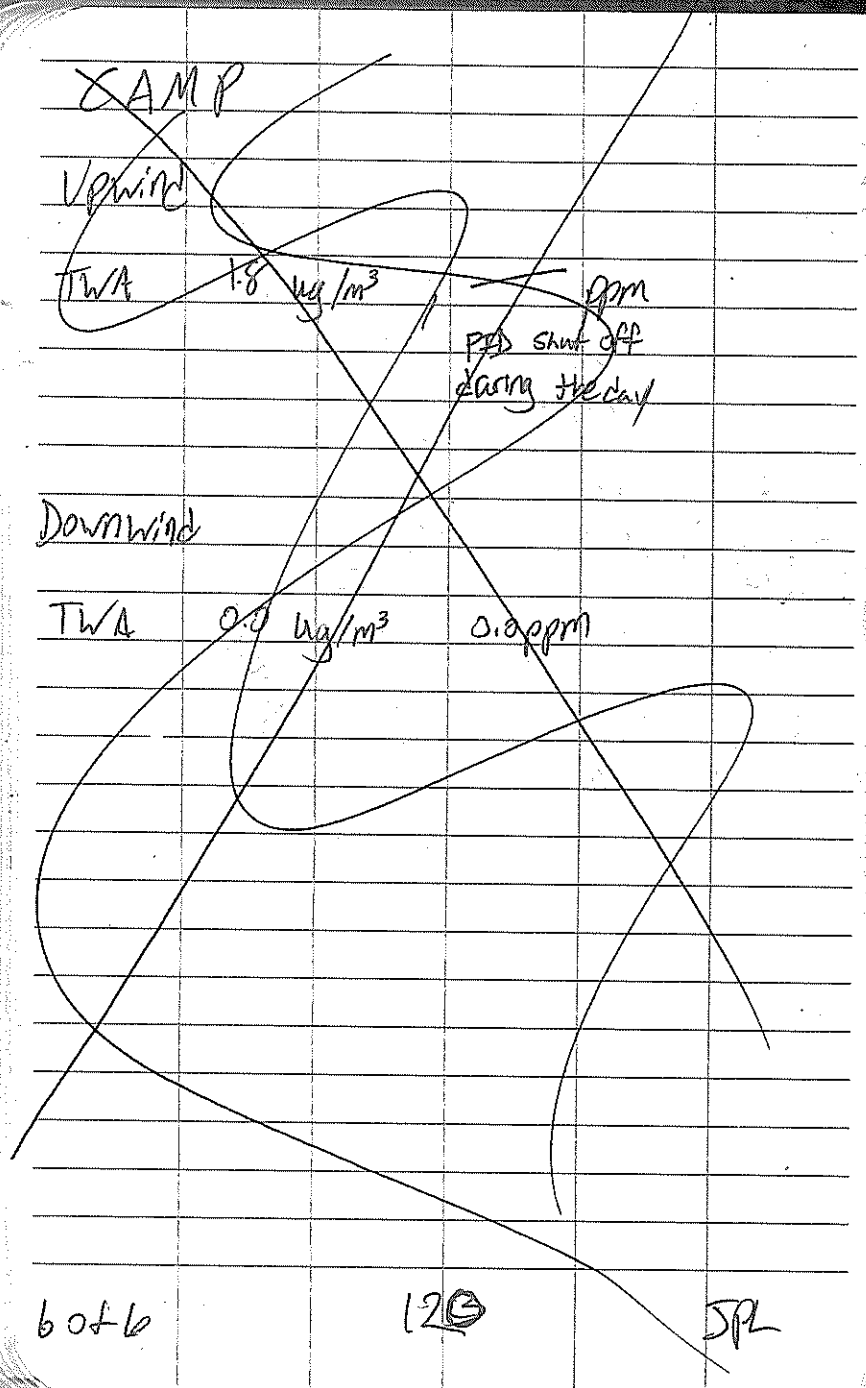
Downwind

TWA 0.0 ug/m³ 0.0 ppm

9

6 of 6 120 SPL





6 of 6 126 JPL

DEC - Eastfarmingdale 6/25/14

Start: 0630 on: 0630 off: End:

Purpose:

Equip: O7s, PID #06, camp equip

On Site: JPL (Geo) BV/DCV (CDI)

Weather:

Notes:

CDI on site ~0645

AS discussed w/ IH who spoke w/ DEC & DV PPE lowered to booties & gloves (no Tyvek or Respirator) in response to bv sample reading & to lengthen work day.

AS discussed w/ IH for P-07 we moved ~5' S of proposed location to try to avoid rejection

* kept hitting refusal (~5 times) got permission from IH to move ~5' away, try 2 & move on if still hitting refusal.

Hit refusal 2 more times, got the go ahead from IH to move to P-14

1 of 10 121 JPL

DEC-Eastfarmingdale 6/25/14

P-07 Day 2

8-12 @ ~ 0716 PID 0.3

2/4

1.6 Brown F Sand, little M sand, tr C sand tr gravel moist

0.4 - black clay

12-16 @ ~ 1725 PID 0.3

2.6/4

2.6 Brown F Sand, little M Sand, tr C Sand moist

16-20 @ ~ 0738 PID 0.1

4/4

1.7 Dark brown F Sand, little M sand, tr C Sand, wet

2.3 Brown F Sand, little M Sand, tr C Sand tr gravel, wet

20-24 @ 0750 PID 0.5

1.9/4

1.9 Brown F Sand, little M Sand, tr C Sand, tr Clay wet

24-28 @ 0808 PID 0.6

0.7/4

0.7 Tan F+M Sand, tr C Sand wet

P-07 cont

28-32 @ 0820 PID 0.6

2.6/4

0.6 Brown F Sand, little M Sand, tr C Sand wet

2.0 Dark brown F Sand, tr M Sand, tr C Sand wet

P-06

0.4' @ 0856 PID 0.3

2.5/4

1.4 - Brown F Sand, little M Sand, tr C gravel Sand dry

0.5 - Red brick

0.3 - concrete

0.3 - Brown F Sand, little M Sand, tr C Sand dry

4-8 @ 0900 PID 0.9 ppm

3.7/4

0.2 Brown F Sand, little M sand, tr gravel, dry

0.5 - concrete

0.2 - Brown F Sand, little M Sand, tr C Sand, dry

0.3 - Red brick

0.4 - Brown F Sand, little M Sand, tr C Sand, dry

2.1 - Black F Sand, little M Sand, tr C Sand, dry

8-12 @ 0912 PID 0.3

?/4 - Core emptied directly to bag, could not be removed whole from rod

DEC - Eastfarmingdale 6/25/14

P-06 cont

Concrete & Red brick, little F sand, tr wood

12-16 @ — PID —

P-14

0-4' @1012 PID 0.3 ppm

2.2/4

2.2 - Brown F sand, little M sand, tr C sand, dry

4-8 @1016 PID 0.5 ppm

2.7/4

0.3 Brown F sand, little M sand, little C sand

0.2 Red brick

1.2 Brown F sand, little M sand, little C sand dry

1.0 concrete

8-12' @1022 PID 0.5

2.3/4

0.7 Brown F sand, little M sand, little C sand, moist

0.3 - concrete

1.2 Brown F sand, little M sand, tr C sand moist

0.1 Black F sand, little M sand, tr C sand, moist

tr P-14 cont

12-16 @1030 PID 1.0

2.4/4

0.3 Brown F sand, little M sand, tr C sand, tr gravel, wet moist

0.5 - Brown F sand, little M sand, tr C sand, tr gravel, dry

0.9 - Brown F sand, little M sand, tr C sand, tr gravel, moist

0.7 - Brown F sand, little black clay, little M sand, tr C sand, wet

16-20 @1038 PID 1.7 ppm

2.5/4

0.3 - Black clay wet

0.3 - Brown F sand, little M sand, little C sand tr gravel, wet

1.5 - Black clay, tr F+M sand, wet

0.4 - Brown F sand, tr M, tr C, tr gravel, wet

20-24 @1046 PID 0.6

0.5/4

0.5 Tan M sand, little F sand, little C sand, tr gravel, wet

24-28 @1059 PID 0.5 ppm

0.8/4

0.8 - Tan F sand, little M sand, tr C sand, wet

DEC - East Farmingdale 6/25/14

P-14 cont

28-32 @ 1112 PID 0.6 ppm

2.4/4

0.3 black clay wet

1.8 Tan F sand, some M sand, tr C sand, tr gravel, wet

0.3 - black clay wet

P-17

0-4' @ 1200 PID 2.1 ppm

1.7/4

1.7 Brown F sand, little M sand, tr C sand, tr gravel dry

4-8' @ 1204 PID 1.3 ppm

1.8/4

1.0 Brown F sand, tr M sand, tr C sand dry

0.8 Brown F sand, little M sand, tr C sand dry

8-12' @ 1207 PID 1.0 ppm

1.9/4

1.4 Brown F sand, little gravel, tr M sand, tr C sand, dry

0.5 Brown F sand, little M sand, tr C sand tr gravel, moist

P-17 cont

12-16 @ 1212 PID 0.9 ppm

1.5/4

0.4 - Brown F sand, little M sand, little gravel tr C sand, dry

0.6 - Brown F sand, little gravel, tr M sand, tr C sand

0.5 - Brown F sand, little M sand, tr C sand tr gravel dry

16-20 @ 1214 PID 0.5 ppm

0.9/4 - Bar

0.4 - Tan F sand, some M sand, little C sand wet

0.5 - Brown F sand, little M sand, tr C sand, dry

20-24 @ 1226 PID 0.8

0.9/4

0.7 Brown F sand, little M sand, tr C sand moist

0.2 - grey - F sand, some M sand, tr C sand, wet

24-28 @ 1235 PID 0.3

0.9/4

0.9 - gray F sand, some M sand, little C sand wet

DEC - Eastfarmingdale 6/25/14

P-17 cont

28-32' @ 1246 PID 0.9 ppm

2/4

0.4 grey F sand, little M sand, tr C sand tr gravel

0.8 - Brown Clay, some F sand, little M Sand wet

1.0 - grey F sand, some M sand, tr C sand tr gravel. wet

P-33

0-4' @ 1310 PID 1.1 ppm

2.2/4

0.9 Brown F sand, little M sand, tr C Sand dry

0.7 Red brick

0.6 - Brown F Sand, little M sand, little gravel, tr C Sand, dry

4-8 @ 1313 PID 2.0

2.6/4

1.7 Brown F Sand, little M sand, little gravel tr C Sand, dry

0.2 - Concrete

0.4 Brown F sand, little M Sand, little gravel, dry

0.3 Red brick

P-33 Cont

8-12 @ 1316 PID 0.9

2.3/4

2.3 Brown F Sand, little M sand, little C Sand, tr gravel dry

12-16 @ 1321 PID 0.7

2.8/4

1.2 Brown F Sand, little C Sand, tr M sand, Tr gravel, Tr red brick, moist

1.6 grey F sand, some M sand, little C Sand tr gravel, wet

16-20 @ 1330 PID 1.1

2.2/4

0.9 - Brown F Sand, little M, little C, tr gravel, dry

0.5 Brown/grey F sand, some M sand, little C sand, wet

0.8 Black F Sand, some M sand, little Clay tr C sand, tr gravel wet

20-24 @ 1339 PID 0.4

1.9/4

0.1 grey F+M Sand, little C Sand wet

0.3 Brown F sand, little M Sand, tr Clay tr C Sand

1.5 Black Clay

DEC Eastfarmingdale

P-33 cont

24-28 @ 1350 PID 0.6 ppm

?/4 - loose, deposited directly to bag

? grey f+M Sand, some C Sand, tr gravel, wet

28-32 @ 1410 PID 0.4 ppm

1.5/4

1.5 Tan/grey F Sand, some M Sand, some little C Sand, tr gravel, wet

All borings returned to grade w/ native fill, excess fill scattered around surrounding area

CAMP 6/25/14

Upwind

TWA 13.1 ug/m³ no PID

Downwind 0.0 ug/m³ no PID

TWA →

DEC: Eastfarmingdale 6/26/14

Start: 0530 on: 0645 off End

Purpose

on site

Equip PID #05

Weather 70s-80s, partly cloudy

notes: CDI on site @ ~0700

- Starting w/ 1 Bud in center of P.I.E. As discussed w/ IH, only 1st point will be logged, other two will just be sampled @ selected intervals

- After Discussion w/ IH (who spoke w/ BC @ DEC) sample intervals set @ 14-18 & 18-22 for all BUD locations

DEC Eastfarmingdale

B-33 cont

24-26 @ 1350 PID 0.6 ppm

?/4 - loose, deposited directly to bag

? grey f+M Sand, some C Sand, tr gravel, wet

28-30 @ 1410 PID 0.4 ppm

1.5/9

1.5 Tan/grey F sand, some M sand, little C sand, tr gravel, wet

All borings returned to grade w/ native fill, excess fill scattered around surrounding area

CAMP 6/25/14

Upwind

TWA 13.1 ug/m³ no PID

Downwind 0.0 ug/m³ no PID

TWA →

DEC. Eastfarmingdale 6/26/14

Start: 0530 on: 0645 off End

Purpose

on site

Equip 97V, PID #05

Weather 70s-80s, partly cloudy

notes: CDI on site @ ~0700

- Starting w/ 13 BUDS in center of Pile. As discussed w/ IH, only 1st point will be logged, other two will just be sampled @ selected intervals
- After Discussion w/ IH (who spoke w/ BC @ DEC) sample intervals set @ 14-18 & 18-22 for all BUD locations

DEC-Eastfarmingdale 6/26/14

BUD-02

0-4 - no lithology logged

4-8' @ 0747 PID 21.3 ppm

2.7

2.7 Brown/black F Sand, some C Sand, tr C sand tr gravel, tr red brick dry, odor

8-12 @ 0756 PID 25.8 ppm

2.2/4

2.2 - Brown/black F sand, some M sand, tr C Sand, tr gravel, dry, odor

12-16' @ 0804 PID 23.2

3/4

1.7 black. F Sand, some M sand, tr C sand tr gravel, dry odor

1.0 concrete, little brown F sand, tr M sand dry

0.3 Tan F Sand, some M Sand, little C sand tr gravel dry, no odor

16-20 @ 0809 PID 40.4 & 0.5 ppm

2.4/4

0.5 black F Sand, some M sand, tr C sand dry odor

0.9 Brown FSand some M Sand, little C sand dry no odor

1.5 Tan F Sand, some M Sand, little C Sand, tr gravel dry no odor

20-22' @ 0819 PID 2.1

0.9

2.0 Brown F Sand, some M sand, little C Sand, dry

0.3 concrete

BUD-02

0-14 no lithology logged

2.7/4 14-18 @ 0913 PID 25.1 ppm

0.4 - black F sand, little M sand, dry odor

2.6 - Tan FSand, some M sand, some C sand, tr gravel dry odor

18-22 @ 0925 PID 1.4 ppm

2.0/4

0.9 - Tan F Sand, some M Sand, tr C Sand tr gravel dry

BUD-03

0-14 no lithology logged

14-18' @ 0945 PID 15.9

2.5/4

2.5 Brown F Sand, some M Sand, little C Sand tr gravel

18-22 @ 0953 PID 10.3

1.7/4

2.3 black clay, some F sand, some M Sand moist

DEC - Eastfarmingdale 6/26/14

BUD - 03

1.1 Tan F sand, some M sand, little C sand, tr gravel, moist

0.3 - black clay

22-26 @ 1022 PID 0.8

2.1/4

2.1 Tan F+M Sand, little C Sand, tr gravel, moist

After BUDS CAMP was moved to PCB area, along w/ rental rig & Geo station

P-32

0-4 @ 1112 PID 0.8 ppm

2.2/4

1.1 - Brown F Sand, little M Sand, tr C Sand dry

0.2 Concrete

2.1 Red brick

0.8 Brown F Sand, little M sand, tr C sand, tr gravel, dry

4-8 @ 1126 PID 2.6

1.8/4

2.2 Red brick

1.6 brown F Sand, little M Sand, tr C Sand, tr gravel, dry

8-12 @ 1130 PID 2.8

3/4

2.4 Brown F Sand, little M Sand, tr C Sand, tr gravel dry

0.6 Tan F Sand little C Sand, tr M Sand, tr gravel dry

12-16 @ 1137 PID 0.7 ppm

3.5/4

1.3 - Brown F Sand, little M sand, little C Sand tr gravel dry

2.2 Tan F Sand, some C Sand, little M Sand, tr gravel, wet

16-20 @ 1144 PID 0.8

1.5/2

1.8 Tan F Sand, little M Sand, little C Sand, tr gravel, wet

20-24 @ 1153 PID 0.5

2/4

24-28 @ 1201 PID 0.5 ppm

2.1/4

2.1 Tan F+M Sand, tr C Sand tr gravel, wet

28-32 @ 1214 PID 0.3 ppm

2.1/4

1.4 Tan M Sand, Some F Sand, little C Sand, tr gravel, wet

DEC- EastFarmingdale 6/26/14

P-32 Cont

0.3 Tan F Sand, tr M sand

0.4 Tan M Sand, some F Sand, some C Sand tr gravel, wet

P-30

0-4 @ 1255 PID 0.3 ppm

2.2/4

1 Brown F Sand, little Clay, little M Sand, tr C sand, moist

0.9 - Brown F Sand, little M Sand, tr C Sand dry

0.3 - concrete

4-6 @ 1259 PID 0.5 ppm

1.5/2

.4 cement, tr F Sand

.3 Red brick, little F Sand, tr M Sand

.8 - cement, some F Sand, little M Sand, tr C Sand

.1 Brown F Sand, little M Sand, tr C Sand

6-16 @ 1304 PID 0.3

1.7

0.4 Brown F Sand, some M Sand, tr C Sand tr gravel dry

1.0 - Concrete

0.3 Brown F Sand, some M, tr C, dry

P-30 cont

12-16' @ 1309 PID 0.4

2.3/4

1.1 Brown F Sand, some M Sand, tr C Sand tr gravel, dry

1.2 Tan F Sand, some M Sand, little C Sand tr gravel, moist

16-20' @ 1315 PID 0.3

2.1/4

0.7 Brown F Sand, little M Sand, tr C Sand, tr gravel moist

1.4 Tan F Sand, some M Sand, little C Sand, tr gravel wet

20-24 @ 1324 PID 1.0

2.1/4

2.1 Tan F Sand, some M Sand, some C Sand tr gravel, wet

24-28 @ 1332 PID 1.1

1.8/2

1.8 Tan M Sand, some F, some C, little gravel wet

28-32' @ 1345 PID 1.7

1.4/4

1.4 Tan F Sand, some M Sand, little C Sand tr gravel, wet

DEC-East farmingdale 6/26/14

Camp

Upwind

TWA	0.0 ug/m3	0.0 ppm

Downwind

TWA	4.8 ug/m3	0.0 ppm

DEC-East farmingdale 6/27/14

Start 0545 on 0815 off End

Purpose: Advance soil borings

onsite: JPL (Geo), BV/DCV (CDI)

Equip: 07s, PID#06, camp equipment

Weather: ↑70s - ↓80s, partly cloudy

Notes

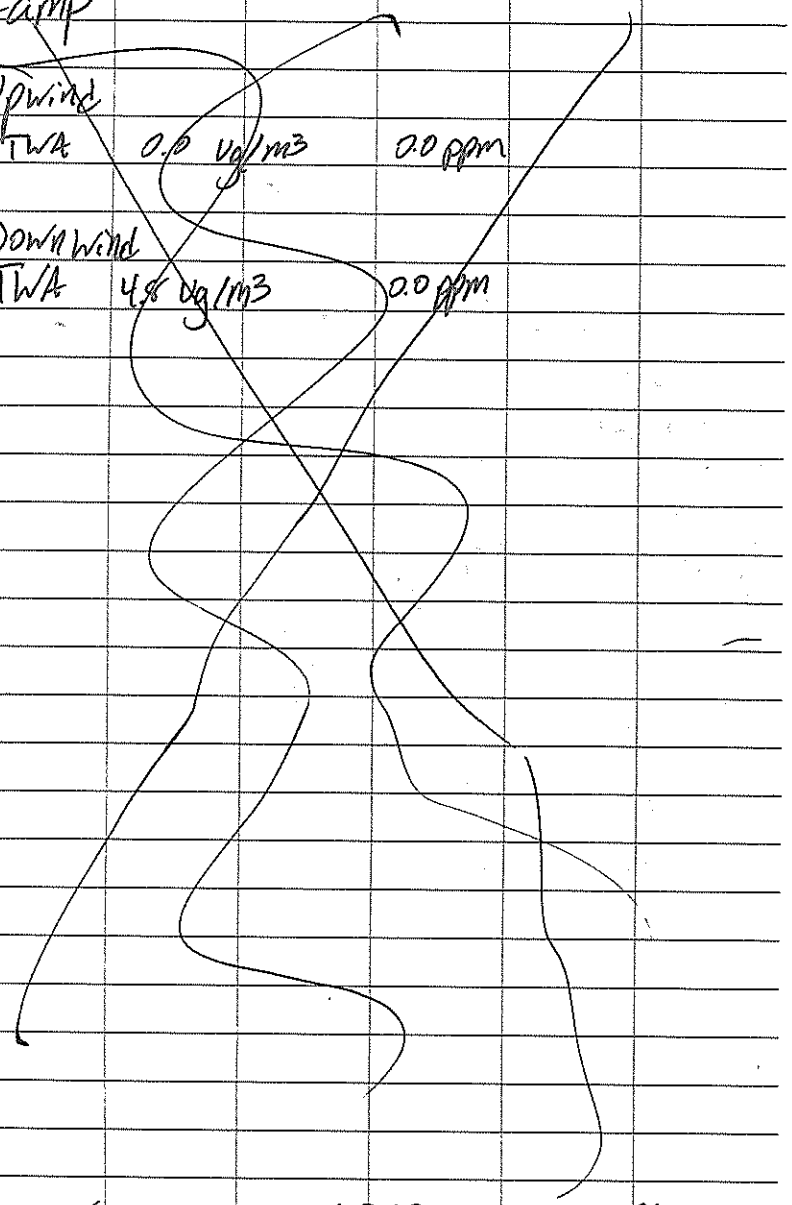
- 97 van had flat tire @ start of the day, had to wait for 07s to return from inspection before leaving EAR to on site
- ~~Reco 2nd attempt~~
- P-13 (16-20) had recovery too small for PCB Lab analysis, after talking to IH ~~interval~~ was removed from testing. Only 4 samples from P-13 sent for testing
- 2nd attempt @ P206 made, refusal ~ 8'-10' from original location, after 8 refusals IH said to move ~ 20' SW & try there. (location is centered in the square formed by points P-07, P-13, & P14)
- observers from Roux on site

DEC-East farmingdale 6/26/14

Camp

Upwind
TWA 0.0 ug/m3 0.0 ppm

Downwind
TWA 4.8 ug/m3 0.0 ppm



8 of 8 138 JPL

DEC-East farmingdale 6/27/14

Start 0545 on 0615 off End

Purpose: Advance soil borings

onsite: JPL (Geo), BV/DCV (CDI)

Equip: 07s, PID #06, camp equipment

Weather: ↑70s - ↓50's, partly cloudy

notes

- 97 van had flat tire @ start of the day, had to wait for 07S to return from inspection before leaving EAR to on site
- ~~Prior 2nd letter~~
- P-13 (16-20) had recovery too small for PCB Lab analysis, after talking to IH interval was removed from testing only 4 samples from P-13 sent for testing
- 2nd attempt @ P-06 made, radiating ~ 8-10' from original location, after 8 refusals IH said to move ~ 20' SW & try there. (location is centered in the square formed by points P-07, P-08, P-13 & P14)
- observers from Roux on site

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DEC - Eastfarmingdale 6/27/14

P-20

0-4 @ 0834 PID 0.3 ppm

2.3/4

1.2 Brown F sand, little M sand, little C sand, tr gravel, dry

0.4 concrete

0.7 - Brown F sand, little M sand, tr C sand dry

4-8' @ 0839 PID 1.1 ppm

0.8/4

0.2 Brown F sand, little M sand, tr C sand dry

0.2 - Concrete

0.4 Brown F sand, little M sand, tr C sand, tr gravel dry

8-12 @ 0843 PID 0.8 ppm

1.7/4

1.0 - Brown F sand, little M sand, tr C sand tr gravel, dry

0.2 concrete

0.2 - Brown F sand, tr C sand, tr Red brick dry

0.3 Tan F sand, little M sand, little C sand tr gravel dry

12-16 @ 0849 PID 2.4 ppm

2.9/4

P-20 Cont

2.7 - Brown F sand, some M sand, little C sand, tr gravel moist

1.2 - Tan F sand, some M sand, little C sand tr gravel moist

1.0 Tan M sand, some F sand, little C sand, tr gravel moist

16-20 @ 0855 PID 0.6 ppm

3.8

0.2 Tan F sand, some M sand, some C sand, moist

0.6 Brown F sand, some M sand, little C sand, moist

3.0 Tan F+M sand, some C sand, tr gravel wet

20-24 @ 0901 PID 2.9 ppm

2/4

2 Tan F+M sand, little C sand, tr gravel wet

24-28 @ 0912 PID 1.9 ppm

1.7/4

1.7 Tan F sand, some M sand, tr C sand, tr gravel

28-32 @ 0925 PID 2.6 ppm

1.9

1.9 Tan M sand, some F sand, little C sand, tr gravel

DEC Eastfarmingdale 6/27/14

P-12

0-4 @ 0948 PID 0.4 ppm

2.5/4

2.5 - Brown F sand, little M sand, little C sand, tr gravel, dry

4-8 @ 0952 PID 0.9 ppm

1.9/4

1.9 - Brown F Sand, little M Sand, tr C sand dry

8-12 @ 0956 PID 0.9 ppm

1.9/4

1.9 - Brown F sand, some M sand, tr C sand, tr gravel, tr asphalt @ ~ 1.4'

12-16 @ 1000 PID 0.8 ppm

1.5/4

1.3 Brown F sand, little M sand, tr C sand, tr clay, moist

0.2 Black clay

16-20 @ 1006 PID ~~@~~ 1.2 ppm

1.7/4

0.2 - Black clay, some F, some M, tr C, wet odor

0.4 - Brown F Sand, some M, some C, tr gravel, wet

1.1 Black/grey F+M sand, little C sand, tr gravel, wet

P-12 cont

20-24 @ 1012 PID 2.5 ppm

1.9/4

1.9 Tan F+M Sand, little C Sand, tr gravel wet

24-28 @ 1020 PID 0.9 ppm

1.7/4

1.7 tan F+M Sand, some F Sand, ~~Sa~~ little C Sand, tr gravel, wet

28-32 @ 1032 PID 0.7 ppm

2.1/4

2.1 Tan M Sand, some C sand, little F Sand, tr gravel, wet

P-13

0-4 @ 1047 PID 1.8 ppm

2.3

1.1 Brown F Sand, little M Sand, tr C Sand, dry

0.7 - Brown f sand, little M Sand, tr C Sand tr concrete, dry

0.5 Dark brown F Sand, some M Sand, tr C Sand Tr Red brick, dry

4-8 @ 1053 PID 2.3

1.4/4

0.2 Brown F Sand, little M sand, little red clay

0.8 black clay, little F Sand, tr M Sand

DEC-East farmingdale 6/27/14

P13 cont

0.2 Red brick

0.2 Brown F Sand, some C Sand, little M Sand moist

8-12 @ 1056 PID 8.8

2.1/4

0.3 black Clay

0.15 Brown F Sand, little M Sand, little C Sand tr gravel dry

0.7 Brown F Sand, little M, little C, tr gravel, moist

0.2 Black Clay wet

0.4 Brown F Sand, little M Sand, little C, tr gravel, wet

12-16 @ 1102 PID 15.2

1.7/4

0.4 Brown Clay, little F Sand, little M Sand wet

0.6 Brown F+M Sand, little C Sand, tr gravel wet

0.7 Black clay

16-20 @ 1108 PID 6.5

7/4 low recovery, right to bag

- Black Clay w/ some F Sand, tr M Sand moist

P13 cont

20-24 @ 1115 PID 9.3 ppm

1.2/4

1.0 - Black clay

0.2 Black clay, tr M, tr C Sand

24-28 @ 1125 PID 3.0 ppm

1.1/4

1.1 Brown F Sand, some M Sand, little clay tr C Sand, tr gravel, wet

28-32 @ 1138 PID 6.1

1.1/4

0.1 black M Sand, some F Sand, tr C Sand wet

1.0 Brown F Sand, some M Sand, tr C Sand tr gravel, wet

P-06

2/4

0-4 @ 1308 PID 0.5

2/4

1.8 - Brown F Sand, little M Sand, tr C Sand, tr gravel, dry

0.2 Red brick

4-8 @ 1312 PID 0.7

2.4/4

2.4 - Brown F Sand, some M Sand, little C Sand, tr gravel, tr Red brick, tr cement, dry

DEC - Eastfarmingdale 6/27/14

Rob cont.

6-12 @ 1319 PID 0.7

2.2/4

0.2 Brown f sand, some M sand, trC sand tr gravel, dry

0.3 - red brick

0.2 Concrete, some f sand, little M sand

1.5 Brown F Sand, some M sand, little C Sand, tr gravel

12-16 @ 1326 PID 1.0 ppm

2.3/4

2.3 Brown F sand some C sand, little M Sand, tr gravel, dry

1.0 Black F Sand, some M sand, little C sand tr gravel, moist

16-20 @ 1332 PID 4.9

1.3/4

0.9 Brown F sand, little M sand, tr C sand, dry

0.2 - Red brick

0.2 - Black F sand, little M sand, moist

20-24 @ 1342 PID 0.2

0.3/4

0.3 Red brick, some F brown Sand

21

24 - 26 @ 1354 PID 12.1

1.5

0.4 Black clay

0.2 - Red Brick, wet

0.9 - Tan F sand, some M sand, little C Sand, tr gravel, wet

28-32 @ 1406 PID 1.4

0.6/4

0.6 Tan F+M sand, little C sand, & wet

CAMP

Up wind

TWA 0.0 ug/m3 0.0 PID

Down wind

TWA 4.3 ug/m3 0.0 PID

DEC - Eastfarmingdale 6/30/14

Start: 0530 on: 0645 off: End

Purpose: Advance Soil borings See work order

Equip: 07s, PID #06 CAMP Equip

on site: JPL (Geo), DCV/BV (CDI)

weather: ↑70s - ↓80s, Partly Cloudy

Notes

CAMP set up prior to soil investigation

PID #06 zeroed & span calibrated prior to use

called RA (EAI) after P-19, who spoke w/ BL (DEC), said to move on to P-16 & P-15

- native fill returned to borings post completion

P-18

0-4 @ 0728 PID 0.4 ppm

2.2/4

2.2 Brown F Sand, little M Sand, little C Sand, tr gravel, tr red brick, dry

4-8 @ 0733 PID 0.2 ppm

~~0.9~~ 2/4

0.9 Brown F sand, little M sand, little C Sand, tr gravel dry

0.2 concrete

0.9 Brn F Sand, little clay, little M Sand, tr C Sand, tr gravel, moist

8-12 @ 0737 PID 0.3

1.4/4

0.3 Brown/black clay, some F Sand, little C Sand, tr M Sand, moist

0.6 Brown F+M Sand, little C Sand, dry

0.5 Brown Clay, some F sand, little M Sand, tr C Sand, moist

12-16 @ 0743 PID 0.2 ppm

0.8/4

0.5 Brown F Sand, little M Sand, tr C Sand dry

0.3 Brown Clay, F Sand, some clay, little M Sand, wet

DEC-Eastfarmingdale 6/30/14

P-18 cont

16-20 @ 0750 PID 2.1 ppm

2.1/4

0.5 Brown F Sand, Some Clay, trM Sand, trC Sand wet

1.6 Black Clay, trF Sand, trM Sand, wet, odor

20-24 @ 0757 PID 0.6 ppm

1.7/4

1.5 - Black -> Tan F Sand, Some M Sand, little C Sand, wet slight odor

0.2 Tan F Sand, little C Sand, trM Sand, tr gravel, wet

24-28 @ 0805 PID 0.2 ppm

1.7/4

1.7 Tan F Sand, Some M Sand, little C Sand, tr gravel, wet

28-32 @ 0820 PID 0.3 ppm

1/4

1 - Tan F+M Sand, little C Sand, tr gravel wet

P-19

0-4 @ 0852 PID 0.3 ppm

2.2/4

1.7 Brown F Sand, Some C Sand, trM Sand, tr gravel, dry

0.1 Concrete

0.4 Brown F Sand, little C Sand, trM Sand, dry

4-8 @ 0856 PID 0.2 ppm

2.1/4

2.1 Brown F Sand, little M Sand, little C Sand, tr asphalt, tr red brick, dry

8-12 @ 0901 PID 1.3

2.6

1.2 Brown F Sand, little M Sand, little C Sand, tr gravel, dry

0.3 Brown F Sand, Some Clay, little M Sand, little C Sand, moist

0.1 asphalt

0.3 Red brick

0.2 cement

0.5 Tan F Sand, Some M Sand, trC Sand, moist

12-16 @ 0907 PID 0.6 ppm

3.5/4

1.5 Brown F Sand, little M Sand, little C Sand dry

DEC-Eastchester 6/30/14

P-19 cont

2 Tan F Sand, Some M Sand, little C sand, tr gravel, wet

16-20 @ 0914 PID 0.3

1.9/4

1.9 Tan F Sand, some M sand, little C Sand tr gravel wet

20-24 @ 0927 PID 0.4

1.5/4

1.5 Tan F Sand, Some M Sand, little C Sand tr gravel, wet

24-28 @ 0937 PID 0.3ppm

1.6/4

1.6 Tan F Sand, some M sand, little C Sand tr gravel, wet

28-32 @ 0948 PID 0.3ppm

1.6/4

1.6 Tan F Sand, some M sand, some C sand, tr gravel, wet

P-16

0-4 @ 1025 PID 0.7 ppm

2.8/4

2.5 Brown F Sand, little M Sand, little C Sand, tr gravel, tr concrete, dry

0.1 Red brick

0.2 Brown F Sand, little M sand, tr C Sand, dry

4-8 @ 1029 PID 0.8 ppm

2/4

0.8 Brown/Black F Sand, little M Sand, tr C Sand tr red brick, dry

0.5 Concrete

0.7 Brown F Sand, little M Sand, tr C Sand, tr red brick, tr cement, dry

8-12 @ 1035 PID 2.1 ppm

2.5

0.4 Brown F Sand, little C Sand, tr M Sand tr red brick, tr cement, dry

0.2 Black C Sand, little M Sand, tr C Sand dry

1.9 Brown F Sand, little M Sand, little C Sand tr cement, tr gravel, dry

12-16 @ 1041 PID 0.7

0.6/4

0.6 Brown F Sand, little M Sand, tr C Sand, tr concrete dry

DEC-Eastfarmingdale 6/30/14

P-16 cont

16-20 @ 1048 PID 0.8 ppm

0.7/4

0.7 Brown clay some F sand, little M sand little C sand, wet

20-24 @ 1056 PID

1.1/4

0.5 black M sand, some C sand, little F sand wet

0.5 Black/brown clay some F sand, tr M sand tr wood, wet

0.1 Black clay, little F sand, tr M sand, tr wood wet

24-28 @ 1108 PID —

?/4 low recovery

few scraps of wood coated black

28-32 @ 1117 PID 0.9

1.2/4

1.2/Black clay some F sand, some M sand, tr C sand, tr wood, wet

Upwind

TWA 2.0 ug/m3 0.0 ppm

Downwind

TWA 2.8 ug/m3 0.0 ppm

Continued in rain notebook

7 of 8

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CURVE TABLES

HOW TO USE CURVE TABLES

Table I. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20′ to the R. at Station 542 + 72.

Ext. in Tab. I opposite 23° 20′ = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

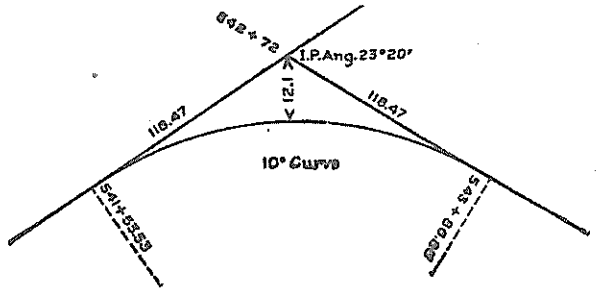
Tan. in Tab. I opp. 23° 20′ = 1183.1
1183.1 ÷ 10 = 118.31.

Correction for A. 23° 20′ for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

(If corrected Ext. is required find in same way)
Ang. 23° 20′ = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19½′ = def. for sta.	542	I. P. = sta.	542 + 72
4° 49½′ = " " "	+ 50	Tan. =	1 .18.47
7° 19½′ = " " "	543	B. C. = sta.	541 + 53.53
9° 49½′ = " " "	+ 50	L. C. =	2 .33.33
11° 40′ = " " "	543 + 86.86	E. C. = Sta.	543 + 86.86

100 − 53.53 = 46.47 × 3′ (def. for 1 ft. of 10° Cur.) = 139.41′ = 2° 19½′ = def. for sta. 542.
Def. for 50 ft. = 2° 30′ for a 10° Curve.
Def. for 36.86 ft. = 1° 50½′ for a 10° Curve.



DEC-Eastfarmingdale 6/30/14

Continued from field book pg 154

P-15

0-4 @ 1152 PID 0.7 ppm

2/4

1.6 Brown F Sand, little M Sand, little C Sand, tr gravel, tr asphalt, tr red brick, dry

0.4 Concrete

4-8 @ 1156 PID 0.8 ppm

2.1/4

0.4 Brown F Sand, little M Sand, tr C Sand dry

0.1 cement

0.8 - Black F Sand, little M Sand, tr C Sand, dry

0.5 cement

0.3 Black F Sand, little M Sand, tr C Sand, tr Red brick, dry

8-12 @ 1201 PID 0.8 ppm

2.5

0.2 Concrete

1.8 Brown F Sand, little M Sand, little C Sand, tr concrete, dry

0.4 Blank F Sand, Some Red brick, little M Sand, tr C Sand, dry

12-16 @ 1207 PID 0.9 ppm

1.9/4

5 Brown F Sand, some C Sand, little M Sand, little concrete, dry

3 - Red brick

1.1 - Black F Sand, some Red brick, little M Sand, tr little C Sand, dry

16-20 @ 1216 PID 4.7 ppm

0.8/4

0.4 Brown F Sand, little M Sand, tr C Sand, moist

0.4 Black F Sand, some M Sand, some wood, little C Sand, wet

20-24 @ 1230 PID 4.1

1.7/4

1.7 Black clay, some F Sand, little M Sand, tr C Sand, tr gravel, tr wood

24-28 @ 1242 PID 0.8

0.9/4

0.9

25-32 @ 1255 PID 0.5

1.4/4

1.4 - Black F Sand, some M Sand, little C Sand - piece of scrap metal

1152
1156
1201
1207
1216

JPL

Scale: 1 square =

DEC-Eastfarmingdale 7/01/14

Start 0630 on 0745 off End

Purpose: advance soil borings see work order

Equip: 07S, PID#06

Weather: 170s → 180's, part cloudy

onsite: JPL (Geo), BC (DEC), BV/Dar (CDI) Rowe

notes

- BC (DEC) & Rowe waiting by gates upon arrival
- CDI on site ~0800
- Rowe off site ~0800 isl
- BC (DEC) off site @ 1215
- Advanced 4 soil borings, excess native fill returned to borings after completion

P-50

0-4 @ 0827 PID 0.0

2.1/4

0.8 - Brown F Sand, little M Sand, tr C Sand, dry

1.1 Brown Clay, little F, little M, chunk of wood, moist

0.2 - Brown F Sand, little M Sand, tr C Sand, dry

4-8 @ 0834 PID 0.4

1.7/4

0.2 Brown F Sand, little M, tr C, dry

0.1 - concrete

0.3 Brown F Sand, little M Sand, tr C Sand, dry

1.1 - Brown/Black clay, tr F Sand, chunk concrete, moist

8-12 @ 0839 PID 2.5

1.8/4

0.3 Brown clay, little F, little M, moist

1.0 - Brown F Sand, little M, little C, tr B clay, moist

0.5 - Brown F Sand, little M Sand, little C Sand

12-16 @ 0843 PID 0.8

4/4

1.2 Black clay, some F Sand, little M Sand, moist

2.8 - Brown F Sand, some M Sand, little C Sand, wet

16-20 @ 0852 PID

1.2/4

1.2 Brown F Sand, some C, little M, trgravel, wet

DEC-Eastfarmingdale 7/01/14

P-50 cont

20-24 @0900 PID 0.8 ppm

1/4'

1 - Grey-tan F+M Sand, little C sand, ~~wet~~ 0.05' band of black F+M in middle, wet

24-28 @0911 PID 0.7 ppm

1.9/4

1. - Tan F+M Sand, some C sand, tr gravel, wet

0.9 Tan F sand, little M, little C, tr gravel, wet

28-32 @0922 PID 0.3 ppm

1.8'/4'

1.8 - Tan F Sand, some M sand, little C sand, tr gravel wet

P-51

0-4 @0956 PID 0.1 ppm

1.5/4

1.5 Brown F Sand, little M sand, tr C sand, tr concrete dry

4-8 @1000 PID 0.5 ppm

2.3/4

0.1 Brown F Sand, little M, tr C, dry

0.6 Concrete

1.6 Brown F Sand, Some M, tr C, tr gravel, dry

8-12 @1007 PID 0.6 ppm

2.1/4

P-51 cont

0.5 Brown F Sand, little M, little C, tr gravel, dry

0.3 Concrete

1.3 Brown F Sand, some C, little M, tr gravel, moist

12-16 @1012 PID 0.8 ppm

1.8/4'

1.0 - Brown F Sand, little C Sand, tr M Sand, tr gravel, dry, tr concrete

0.8 Brown M Sand, some F Sand, tr C Sand, tr gravel, wet

16-20 @1021 PID 0.2 ppm

1/4

1.9 - Brown F Sand, little C Sand, tr M Sand, tr gravel, tr Red brick, dry

20-24 @1025 PID 0.5 ppm

1.5/4

1.5 - Brown F Sand, some M Sand, little C Sand, tr gravel wet

24-28 @1039 PID 1.0 ppm

1.9/4

0.95 Brown/black F Sand, some M sand, little C Sand, wet

0.8 Black asphalt

0.9 - Brown F Sand, some M Sand, little C Sand, tr gravel wet

DEC Eastfarmingdale 7/01/14

P-51 cont

28-32 @ 1051 PID 13.8 ppm

2.1/4

1.1 Brown F sand, little M sand, tr C sand, tr gravel wet

0.5 Black clay, little F sand, tr M sand, wet

0.5 Tan F sand, some M sand, some C sand, wet

P-52

0-4 @ 1121 PID 0.4 ppm

2/4

1.2 Brown F sand, little M sand, little C sand, dry

0.2 Concrete

0.6 Brown F sand, little C sand, tr M sand, dry

4-8 @ 1126 PID 1.1 ppm

1.1/4

1.1 Brown F sand, little M sand, little C sand, dry

8-12 @ 1129 PID 1.7 ppm

1.5/4

1.5 Brown F Sand, little M, little C, tr gravel tr red brick, tr asphalt

12-16 @ 1135 PID 3.1

1.4/5

0.4 Brown F sand some M, little C sand, dry

1.0 Brown F sand, some clay, little M, little C sand wet

P-52 cont

16-20 @ 1141 PID 14.2

1.3/4

1.1 Brown F sand, some clay, some C sand, little M sand, wet

0.5 Black clay, tr F sand, tr M sand, wet

20-24 @ 1148 PID 1.7 ppm

1.7/4

0.2 Black clay, tr F sand, tr M sand, wet

1.5 Brown F sand, some M, little clay, little C sand, tr gravel wet

24-28 @ 1157 PID 3.2 ppm

1.5/4

0.4 Brown F sand, some C sand, little M sand, wet

0.4 Concrete

0.6 - Brown F sand, some M, some C sand, tr gravel wet

28-32 @ 1207 PID 1.4 ppm

1.3/4

1.3 Tan/grey Brown F sand, some M sand, little C sand tr gravel, 0.05' band of black clay @ 0.1' & 1.1'

DEC-Eastfarmingdale 7/01/14

P-54

0-4 @ 1335 PID 2.3

1.9/4

1.3 Brown F Sand, little M, little C, tr gravel, dry

0.5 Red brick

0.1 ~~Tan F Sand~~ Powdered cement

4-8 @ 1339 PID 1.1

2.8/4

0.1 Red brick

0.1 Concrete

2.4 Brown F Sand, little M Sand, little C Sand, tr concrete, tr asphalt, tr red brick, dry

0.2 cement.

8-12 @ 1345 PID 0.9

2.2/4'

1.1 Brown F Sand, little M, little C sand, tr gravel tr cement

0.6 cement

0.5 Brown F Sand, some C Sand, little M Sand, dry

12-16 @ 1351 PID 1.0 ppm

2.6/4'

1.9 - Brown F sand, little M, little C sand, tr gravel, tr red brick, tr cement, dry

0.7 Brown F Sand, little M, little C, tr gravel, wet

7 of 9 - Star Trek 07 JPL

P-54 cont

16-20 @ 1357 PID 0.5

2.6/4

1.3 Brown F Sand, some C Sand, little M Sand, tr gravel, tr red brick, moist

0.8 Brown F sand, little M sand, little C Sand, little clay tr gravel, wet

0.5 Black clay, some F sand, little M Sand, wet

20-24 @ 1404 PID 2.5 ppm

1.7/4

1.2 Brown/black clay, tr f sand, tr M Sand

0.5 ~~Tan~~ gray clay, M+F Sand, little C Sand, tr gravel

24-28 @ 1414 PID 1.8

2/4

0.3 Black clay, some F Sand, little M Sand, tr C Sand, wet Grey

1.7 ~~Tan~~ Grey Brown F+M sand, little C Sand, tr gravel, wet

28-32 @ 1426 PID 1.7

1.7/4

1.7 Grey F+M Sand, little C Sand, tr gravel wet

8 of 9 08 JPL

DEC-Eastfarmingdale 7/01/14

CAMP

Upwind:

TWA 0.4 ug/m³, 0.0ppm

Downwind:

TWA 6.2 ug/m³ 0.0 ppm

DEC-Eastfarmingdale 7/03/14

Start: 0530 on: 0700 off End:

Purpose:

Equip: DRS, PID #96, see work order

on site: JPL (GEO) AD/DW/BV (CDI)

Weather: ~~[illegible]~~ ↑80s, Partly cloudy, humid, ↓90s

notes:

- Part of Rt 109 closed by police, delayed on site time by ~ 15 min
- CDI on site ~ 0700, off ~ 1245
- CAMP set up prior to begining of work
- Borings returned to grade w/ native fill after completion

DEC-Eastfarmingdale 7/01/14

CAMP

Upwind:

TWA 0.4 ug/m³, 0.0ppm

Downwind:

TWA 6.2 ug/m³ 0.0 ppm

DEC - Eastfarmingdale 7/03/14

Start: 0530 on: 0700 off End

Purpose

Equip: 07S, PID #06, see work order

on site: JPL (GEO) AD/DW/BV (CDI)

Weather: ~~Hot~~ ↑80s, Partly cloudy, humid, ↓90's

notes:

- Part of Rt 109 closed by police, delayed on site time by ~ 15 min
- CDI on site ~ 0700, off ~ 1245
- CAMP set up prior to beginning of work
- Borings returned to grade w/ native fill after completion

DEC - Eastfarmingdale 7/03/14

P-60

0-4 @0720 PID 0.2 ppm

2.9/4

1.9 Brown F Sand, little M Sand, little C Sand, tr gravel, tr Red brick, dry

4-8 @ 0725 PID 0.3 ppm

2/4

2 Brown F Sand, some M sand, little C Sand, tr gravel, dry

8-12 @ 0729 PID 1.0 ppm

1.1/4

1.1 Brown F Sand, some Clay, little C Sand, tr M Sand, moist

12-16 @ 0735 PID 3.2 ppm

1.9

0.1 Brown F Sand, some Clay, some M, little C wet

0.2 Black Clay, tr F Sand, tr M Sand, wet

1.6 Brown F Sand, some M Sand, little clay, little C Sand, wet

16-20 @ 0742 PID 3.8 ppm

3.2/4

0.5 Black Clay, little F Sand, little M Sand, wet

1.6 Brown F Sand, some M, little C sand, tr Clay tr gravel, wet

P-60 cont

1.1 Black clay, little F Sand, tr M Sand, wet

20-24 @ 0744 PID 5.3 ppm

0.7/4

0.4 Black F Sand, little clay, little M, little C Sand, wet

0.3 Brown F-M Sand, little clay, little C Sand wet

24-28 @ 0759 PID 6.8 ppm

2/4

0.2 Black Clay, little F Sand, tr M Sand, wet

0.7 Grey M Sand, some F Sand, some C Sand wet

1.1 Tan F Sand, some M Sand, tr C Sand, wet

28-32 @ 808 PID 0.5 ppm

1.9/4

1.9 Tan F Sand, some M Sand, little C Sand, tr gravel, wet

P-61

2-4 @ 0839 PID 3.9 ppm

2/4

1.1 Brown F Sand, little M, little C Sand, tr gravel dry

0.2 Red brick

0.7 Brown F Sand, little M Sand, little C Sand, dry Tr gravel

DEC-Eastfarmingdale 7/03/14

P-61 cont

4-8 @ 0814 PID 0.8

1.1/4

1.1 Brown F sand, little M sand, little C sand, tr C sand, dry.

8-12 @ 0852 PID 1.1ppm

1.5/4

0.6 - Brown F sand, little M sand, little C sand, tr Red brick, ~~most~~ dry

0.9 - Brown F sand some M sand, little C sand, tr gravel, wet.

12-16 0859 PID 4.2ppm

2.2/4

0.7 Brown F sand, little M sand, little C sand moist

0.5 Brown F sand, some C sand, little clay, little M sand tr gravel, wet

0.3 Black clay, tr F sand wet

0.8 Brown F sand, little M sand, little C sand, tr gravel, wet

16-20 @ 0907 PID 0.7ppm

1.3/4

1.3 - Brown F sand, some M sand, little C sand, tr gravel, tr asphalt, wet

~~20-24~~ P-61 cont

20-24 @ 0914 PID 4.1ppm

1.1/4

0.2 Black F sand, some M sand, some C sand wet

0.1 Black clay, tr F sand, wet

0.8 Brown F sand, some M sand, some C sand, tr gravel wet

24-28 @ 0941 PID 9.3ppm

2.9/4

0.7 Brown F sand, some M sand, little C sand, tr gravel wet

0.2 Black clay tr F sand, wet

28-32 @ 0949 PID 8.2 ppm

2.3/4

1.7 brown/black F sand, some M sand, little C sand tr gravel, wet

0.4 Black clay, tr F sand, wet

0.2 Tan F+M sand, little C sand, wet

P-62

0-4 @ 1027 PID 0.7

1.8/4

0.2 Brown F+M sand, little C sand, most

0.2 Concrete concrete

1.4 Brown F sand, little M sand, little C sand, tr cement tr Red brick, dry

DEC Eastfarmingdale 7/03/14

B-62 cont

4-8 @ 1032 PID 1.2 ppm

3.8/4

2.5 Brown F Sand, some c sand, little M Sand, tr gravel, tr concrete, tr redbrick, tr asphalt, dry

0.7 - Cement Concrete

0.6 Brown F Sand, little M sand, little C sand dry

8-12 @ 1036 PID 1.1

3.1/4

0.1 Brown F sand, little M Sand, tr C sand

1.8 - Concrete

0.6 Black Clay

0.6 Brown F Sand, some M, little C, tr gravel, dry

12-16 @ 1040 PID 0.9

2.5

0.1 Concrete

2.1 Brown F Sand, some M, little C Sand, tr gravel, tr concrete, tr Redbrick, dry

0.3 Brown F+M Sand, little C Sand, tr gravel moist

16-20 @ 1045 PID 0.3 ppm

1.2/4

0.4 Brown F sand, little M sand, tr C sand, dry

0.8 Brown F Sand, some M Sand, little C Sand, tr gravel, wet

B-62 cont

20-24 @ 1054 PID /

no recovery, Bruce says it was too soft

24-28 @ 1103 PID 13.1

2.1/4

0.7 Brown/Grey F Sand, some M Sand, little C Sand, wet

1.4 Black Clay, tr F Sand, moist

28-32 @ 1112 PID 9.8 ppm

2.5/4

1.2 Black Clay, tr F Sand, wet

0.7 Brown F Sand, some clay, little M Sand, little C Sand, tr gravel, wet

0.6 ~~Brown~~/Grey F Sand, some M Sand, little C Sand tr gravel, wet

B-70

0-4 @ 1147 PID 1.0 ppm

2.4/4

2.4 Brown F Sand, some C Sand, little M Sand tr gravel, dry.

4-8 @ 1152 PID 0.6 ppm

1.8/4

1.8 Brown F Sand, some M, some C Sand, tr gravel, tr asphalt, dry

8-12 @ 1156 PID

3.2/4

DEC-Eastfarmingdale 07/03/14

P-7o cont

2.4 - Brown F Sand Some m sand, some C sand, tr gravel, dry

1.1 Tan F Sand, Some M Sand, little C Sand, tr gravel, moist

12-16 @ 1159 PID 0.9 ppm

2.8

0.6 Brown F Sand, Some M, little C Sand tr gravel ~~wet~~ dry

2.2 Tan F Sand, Some M Sand, little, tr gravel, moist

16-20 @ 1204 PID 0.4 ppm

3.1/4

1.2 Brown F Sand, Some M Sand, little C Sand tr gravel, moist

1.9 Tan F Sand, Some M, little C, tr gravel moist

20-24 @ 1212 PID 0.2 ppm

2.3/4

2.3 Tan F Sand, little M Sand, little C Sand, tr gravel, wet.

24-28 @ 1221 PID

1.9/4

1.9 Tan F Sand, Some M Sand, little C Sand, tr gravel

8 of 9 17 JPL

P-7o cont

28-32 @ 1228 PID 0.7 ppm

1.7/4

1.7 Tan F Sand, little M Sand, little C Sand, wet

CAMP

Upwind

TWA 0.1 ug/m³ 0.0 ppm

Downwind

TWA 7.7 ug/m³ 0.0 ppm

9 of 9 18 JPL

DEC - East farmingdale 7/07/14

Start: 0530 on: 0630 off End

Purpose: Advance Soil borings

Equip: 07S, PID #06, CAMP equip

on site: JPL (Geo) BV/AD (CDI)

weather: ↑80's, Sunny, MoSquitoes

notes

- CDI (BV) on site @ 0700
- AD arrived on site w/ JPL
- CAMP set up prior to boring
- ~~Initially labeled P-70 & P-71 as~~ P-71 & P-72 respectivly, I have fixed this in my notes/labels/chains, but couldn't edit the photos, so they reflect this error. The actual P-71's & P-72's have a ✱ on them (only for photos) to denote which are real & which are misslabed (only in photograph).
- ~~DEC BC on site @~~
- originall number was correct, location 71, 72, 73, 74 & 75 were completed. All Samples were double checked for labling. photos are are messed up numbering wise though.
- Currier - met w/ @ main office

P-~~71~~ 72

0-4 @ 0723 PID 0.4 ppm

1.7/4

1.7 Brown F Sand, little M Sand, tr C Sand, tr gravel, dry

4-8 @ 0727 PID 0.6 ppm

2.5/4

1.8 - Brown F Sand, little M Sand, tr C Sand, tr gravel, dry

0.2 light Brown F Sand, tr M Sand, moist

0.6 - Brown F Sand, little M Sand, tr C Sand, tr gravel, tr asphalt, moist

0.2 - Concrete

8-12 @ 0731 PID 0.5 ppm

3.1/4

0.4 Brown F Sand, little M Sand, tr C Sand, tr gravel, dry

0.1 grey F Sand, Some M Sand, little Concrete moist

0.8 brown/black F Sand, Some clay, little M Sand tr C Sand, tr gravel, moist, odor

12-16 @ 0736 PID 0.4 ppm

0.9/4

0.3 - Brown F Sand, little M Sand, tr C Sand, tr gravel, wet

DEC-Eastfarmingdale 7/07/14

P-71 Cont

0.2 Brown F Sand, tr M Sand, tr C Sand, tr gravel, dry

0.4 Brown F Sand, some M Sand, tr C Sand tr gravel, wet

16-20 @ 0740 PID 2.1 ppm

2/4

2 Black Clay, tr F Sand, tr M Sand, wet

20-24 @ 0748 PID 0.3 ppm

1.1/4

0.7 Grey F Sand, some M Sand, tr C Sand wet

0.4 Tan F Sand, some M Sand, tr C Sand, tr gravel, wet

24-28 @ 0758 PID 0.2 ppm

1.7/4

1.7 Tan F Sand, little M Sand, tr C Sand, tr gravel wet

28-32 @ 0811 PID 0.1 ppm

1.5/4

1.4 Tan F Sand, little M Sand, tr C Sand, wet

0.1 Grey F Sand, little M Sand, tr C Sand, wet

P-72

0-4 @ 0842 PID 0.8

2.4

0.6 Brown F Sand, little M Sand, tr C Sand dry

0.7 Concrete

1.1 Brown F Sand, little M Sand, tr C Sand, tr gravel, dry

4-8 @ 0846 PID 0.4

2.1/4

0.6 Brown F Sand, little M Sand, tr C Sand, tr Concrete, dry

1.5 Brown F Sand little M Sand, tr C Sand, tr gravel dry

8-12 @ 0849 PID 0.3 ppm

0.7

0.2 Brown F Sand, little M Sand, tr C Sand moist

0.5 Brown F Sand, little M Sand, tr C Sand tr gravel, dry

12-16 @ 0853 PID 0.4

2.4/4

2.4 Brown/black clay, some F Sand, tr M Sand, tr C Sand, wet

DEC - Eastfarmingdale 7/07/14

P-72 cont.

16-20 @ 0859 PID 0.3 ppm

2.1/4

2.1 Brown F Sand, some M Sand, little Clay, tr C sand, wet

20-24 @ 0908 PID 0.3 ppm

0.9/4

0.4 Black/Grey F sand, little M Sand, tr C Sand, wet

0.3 Brown F sand, little M Sand, tr C Sand wet

0.2 Black Clay wet

24-28 @ 0919 PID 0.4 ppm

?/4 - low recovery, bagged directly from sampler - Black F Sand, little M Sand, tr C Sand, wet

28-32 @ 0930 PID 1.2 ppm

0.7/4

0.7 Black/Grey F sand, Some M Sand, little C Sand wet

P-73

0-4 @ 0958 PID 0.4 ppm

2/4

2 Brown F Sand, little M Sand, tr C Sand, tr gravel, dry

P-73 cont

4-8 @ 1005 PID 0.2 ppm

2.2/4

2.2 Brown F Sand, little M Sand, little C Sand, tr asphalt, tr red brick, dry

8-12 @ 1009 PID 0.3 ppm

1.2/4

1.0 Brown F Sand, little M Sand, tr C Sand, moist

0.2 light brown F Sand, little M Sand, little C Sand moist

12-16 @ 1014 PID 1.5 ppm

2.4/4

2 Brown F Sand, Some M Sand, little C Sand, tr gravel, wet

0.4 Black Clay

16-20 @ 1020 PID 0.3 ppm

0.8/4

0.8 Brown/black F Sand, little M Sand, tr C Sand, wet

20-24 @ 1029 PID

1.5/4

1.3 Brown F Sand, little M Sand, tr C Sand wet

0.1 black F Sand little M Sand, tr C Sand wet

0.1 Brown F Sand, little M Sand, tr C Sand, wet.

DEC - Eastfarmingdale 7/07/14

P-72 cont

24-28 @ 1039 PID 0.6 ppm

1.2/4

1.2 brown/Grey F Sand, little M sand, tr C sand tr gravel, wet

28-32 @ 1051 PID 3.9 ppm

2.1/4

1.5 Black clay, tr F sand, tr M sand, wet

0.6 Grey F Sand, little M sand, tr C Sand, tr gravel wet

P-73

0-4 @ 1131 PID 0.4 ppm

1.9/4

1.9 Brown F Sand, tr M sand, tr C sand, tr concrete, dry

4-8 @ 1134 PID 0.2 ppm

2/4

2 Brown F Sand, little M Sand, tr C Sand, tr Concrete, tr asphalt, dry

8-12 @ 1138 PID 0.4 ppm

2.2/4

2.2 Brown F Sand, little M Sand, tr C Sand dry

P-73 Cont

12-16 @ 1144 PID 0.6

2.5/4

1.5 Brown F Sand, little M Sand, tr C Sand, tr gravel dry

0.6 Tan/brown F Sand, little M Sand, tr C Sand wet

0.2 black clay

0.2 Grey/brown F Sand, some M sand, tr C Sand wet

16-20 @ 1150 PID 1.1 ppm

3.9/4

0.7 Brown F Sand, little M Sand, tr C Sand, dry

1.1 Brown F Sand, some M sand, tr C Sand, wet

1.1 Black clay, some F Sand, tr M sand, tr C Sand wet, odor

1.0 Brown F Sand, little M Sand, tr C Sand, tr gravel wet

20-24 @ 1158 PID 0.2

0.4/4

0.4 Brown F Sand, little M Sand, tr C Sand, tr gravel, wet

DEC-East farmingdale 7/07/14

P-74 cont

24-28 @ — PID —

no recovery

28-32 @ 1220 PID

2.6/4

2.3 - Black Clay, trF Sand, trM sand

wet

0.3 Grey/tan F sand, some M sand, tr C sand, tr gravel

wet

P-75

0-4 @ 1249 PID 1.1 ppm

2.3/4

1.1 Brown F sand, little M sand, tr C Sand

tr concrete, dry

0.4 Concrete

0.9 Brown F Sand, little M sand, tr C sand,

tr asphalt, tr redbrick, dry

4-8 @ 1255 PID 0.7

1.5/4

0.3 Brown F sand, little M sand, tr C sand, tr

concrete dry

0.4 Concret

0.8 Brown/[illegible] F sand, little M sand, tr C sand

tr asphalt, tr red brick, dry

[illegible]9 of 11 27 JPL

P-75 cont

8-12 @ 1301 PID 1.0 ppm

2.4/4

2.4 Brown/black F Sand, little M sand, tr C Sand

tr asphalt, tr concrete dry

12-16 @ 1306 PID 1.5 ppm

2.5/4

2+ Dark brown F Sand, little M Sand, tr C

sand, tr concrete, tr asphalt dry

0.6 - Tan/Grey F Sand, some M sand, tr C Sand

wet

16-20 @ 1313 PID 0.7 ppm

2.1/4

0.8 Brown F sand, little M Sand, tr C sand, tr

concrete, dry

1.3 Grey F Sand, some M sand, tr C Sand, tr

gravel, wet

20-24 @ 1321 PID 0.8 ppm

1.6/4

all concrete

0.5 Dark brown F Sand, little M Sand, tr C Sand

tr red brick, tr asphalt dry

1.0 - Grey F [illegible], some M Sand, tr C

Sand, wet

10 of 11 28 JPL

DEC-East farm rig date 7/07/14

P-75 cont'd

24-28 @ 1331 PID 0.7 ppm

1.5/4

1.5 Grey/black F sand, some M sand, tr C sand, tr gravel, wet

28-32 @ 1343 PID 1.0

1.5/4

1.2 Grey/black F sand, some M sand, tr C sand, wet

0.3 Tan F sand, little M sand, tr C sand wet

CAMP

Upwind

TWA 0.3 ug/m³, 0.0 ppm

Down wind

TWA 11.4 ug/m³, 0.0 ppm

DEC-Eastfarmingdale 7/07/14

P-75 Cont

24-28 @ 1331 PID 0.7 ppm

1.5/4

1.5 Grey/blk FSand, some M Sand, tr C Sand, tr gravel, wet

28-32 @ 1343 PID 1.0

1.5/4

1.2 Grey/blk FSand, some M Sand, tr C Sand, wet

0.3 Tan FSand, little M Sand, tr C Sand wet

CAMP

Upwind

TWA 0.3 ug/m³, 0.0ppm

Down wind

TWA 11.4 ug/m³, 0.0ppm

DEC-Eastfarmingdale 7/08/14

Start: 0530 on: 0630 off: End

Purpose Advance soil borings in PCB zone

Equip OTS PID #ob, CAMP Equip

On site JPL (Geo), BV/AD (CDI)

Weather ↑80's, Sunny,

notes

- PCP left @ main office,
  - no Photos of todays samples
- CDI on site @ ~655
- BC (DEC) on site @ ~0815
- Hit rejection on P-55 9 times, AS discussed w/ BC (DEC) P-55 will no longer be attempted
- BC added 7 new points P-80→82 & P-90→93 & requested P-26 be done (if able)
- fin. sted points P-80, 81, 82 & started P-90 (stopped @ 16' bgs

DEC-East farmingdale 7/08/14

P-55 (second attempt)

0-4 @ 0716 PID 0.3

2.1/4 Radius from original poin (ROP) ~3'

1.4 Brown F Sand, little M sand, tr C Sand, tr concrete, dry

0.1 Red brick

0.3 concrete

0.2 Brown F Sand, little M Sand, tr C Sand, tr concret tr Red brick, dry

0.1 Red brick

4-8 @ ____ PID

Hit rejection 9 times, new ROP ~ 10'

AS discussed w/ BC (DEC) P-55 will not be attempted again

P-56

0-4 @ 0844 PID 0.8

2.1/4

2.1 Brown F Sand, little M Sand, tr C Sand, tr asphalt, tr concrete, dry

4-8 @ 0846 PID 0.6

2.2

0.8 Dark brown F sand, little M sand, tr C Sand, tr concrete dry

1.4 light Brown F sand, little C sand, tr asphalt, dry

P-56 cont

8-12 @ 0850 PID 1.9 ppm

2.9/4

1.8 - Brown F Sand, little M sand, tr C Sand, dry

1.1 Brown/Tan F Sand, little M sand, tr C Sand moist

12-16 @ 0856 PID 1.0

3.7

0.8 Brown F Sand, little M Sand, tr C Sand, moist

1.0 Tan/Dark brown F Sand, little M Sand, little M Sand tr C sand, moist

1.5 Tan F Sand, little M sand, tr C Sand moist

0.9 Tan M Sand, some F Sand, little C Sand, tr gravel, wet

16-20 @ 0903 PID 0.8 ppm

3.9/4

1.3 Brown F Sand, tr M Sand, tr C Sand dry moist

2.6 brown/Tan M Sand, some F Sand, tr C Sand wet

20-24 @ 0911 PID 0.7 ppm

2.1/4

1.6 Tan F Sand, some M sand, tr C Sand, wet

0.6 Tan M Sand, some C Sand, little F sand, tr gravel wet

DEC-Eastfarmingdale 7/08/14

B-80 cont

24-28 @0922 PID 0.6 ppm

1.9/4

0.9 Tan M sand, Some F sand, little C sand wet

1.0 Tan F Sand, little M sand, little C sand wet

28-32 @0935 PID 0.7 ppm

0.7/4

0.2 Tan F sand, Some M sand, little C sand, tr gravel, wet

0.4 Tan F Sand, little M sand, tr C sand, wet

0.1 Tan F sand, little M sand, tr C sand, wet

P-81

0-4 @ 1009 PID 3.1 ppm

1.7/4

1.7 Brown F sand, little M sand, tr C sand, tr gravel, tr Red brick, tr cement, dry

4-8 @ 1013 PID 3.2 ppm

1.2/4

0.2 Brown F Sand, tr M Sand, tr C Sand, dry

0.7 Tan F Sand, little M Sand, tr C sand, dry

0.3 Brown F Sand, tr M Sand, tr C Sand, dry

P-81 cont

8-12 @ 1017 PID 4.3 ppm

1.7/4

1.4 Brown F sand, little M sand, tr C sand, tr gravel dry

0.1 band black clay

0.2 Brown F Sand, little M Sand, tr C Sand, moist

12-16 @ 1021 PID 5.3 ppm

2.5

2.4 Brown F Sand, little M Sand, tr C Sand mo. st

0.5 Black Clay, wet

1.6 Brown F Sand little M Sand, little C sand, tr gravel, wet

16-20 @ 1028 PID 3.4 ppm

2.1/4

0.3 Brown F sand, little M, tr C sand, dry

0.9 Black clay, some F Sand, tr M Sand, tr C sand mo. st

0.9 Brown/Grey F Sand, Some M sand, little C Sand moist

20-24 @ —

no recovery, too soft

DEC-Eastfarmingdale 7/28/14

P-81 cont

24-28 @ 1045 PID 11.5 ppm

0.4/4

0.4 Black clay, little F sand, tr M sand wet

28-32 @ 1057 PID 2.5 ppm

1.4

0.2 Grey F sand, little M sand, wet

1.2 Tan F sand, little M sand, tr C sand wet

P-82

0-4 @ 1134 PID 2.5 ppm

2.5/4

2.1 Brown F Sand, little M Sand, tr C Sand, tr concrete, tr Red brick, dry

0.4 ~~Black~~ Dark brown F Sand, little asphalt, little M Sand, tr C Sand, dry

4-8 @ 1149 PID 3.0 ppm

3/4

0.5 Dark brown F Sand, little M Sand, little C Sand, tr gravel, tr red brick, dry

2.5 Brown F Sand, little M Sand, tr C sand, tr gravel, tr red brick, dry

P-82 cont

8-12 @ 1154 PID 2.5 ppm

2.5/4

0.2 Brown F Sand, little M Sand, tr C Sand, dry

0.2 Red brick

1.6 Brown F Sand, little M Sand, little C sand, tr gravel, dry

0.5 Black F Sand, little M Sand, tr C Sand, tr asphalt, moist

12-16 @ 1201 PID 4.5 ppm

3.3

2.4 Brown F Sand, little M sand, little C Sand, tr gravel, tr red brick, moist

0.9 Brown/Grey F Sand, little M Sand, tr C Sand wet

16-20 @ 1207 PID 2.1 ppm

3.5/4

1.1 Brown F Sand, little M Sand, tr C Sand, dry

2.4 Brown/Grey F Sand, little M Sand, little C Sand, tr gravel, wet

20-24 @ 1217 PID 4.6 ppm

1.2/4

1.2 Dark grey F Sand, some little M Sand, little C Sand, tr gravel, wet

DEC - Eastfarmingdale 7/08/14

P-82 cont

24-28 @ 1228 PID 2.3 ppm

1.9/4

0.9 Dark Grey F sand, little M sand, little C sand, tr gravel, wet

1.0 Grey F sand, little M sand, tr C sand, tr gravel, wet

28-32 @ 1240 PID 3.5 ppm

2.4/4

2.1 Grey F sand, little M sand, tr C sand, tr gravel, wet

0.3 Black Clay

0.2 Grey/Tan F sand, little M sand, tr C sand wet

P-90

0-4 @ 1310 PID 5.5

2.4

1.2 Brown F sand, little M sand, tr C sand, tr concrete dry

0.5 concrete

0.4 Brown F sand, little M sand, tr C sand, tr concrete dry

0.3 concrete

P-90 cont

4-8 @ 1313 PID 4.3 ppm

1.9/4

0.2 concrete

1.7 Brown F sand, little M sand, tr concrete tr asphalt, dry

8-12 @ 1318 PID 5.1 ppm

3.2

2.6 Brown F sand, little M sand, tr C sand, tr concrete, tr Red brick, tr wood (@ 11.7'), dry

0.6 Tan F sand, tr M sand, tr C sand, dry

12-16 @ 1328 PID 2.5

3.6/4

1.1 Brown F sand, little M sand, tr C sand, tr asphalt, dry

2.0 Tan F sand, tr M sand, tr C sand, dry

0.5 Tan F sand, little M sand, little C sand, moist

CAMP

Upwind

TWA 0.3 ug/m³ 0.0 ppm

Downwind

TWA 26.4 ug/m³ 0.0 ppm

DEC - East farming dale 07/09/14

Start 0580 on 0630 off 1315 End 1430

Purpose complete soil borings in PCB area

Equip: 07S, PID #06

on site: JPL (Geo) BC/AD (CDI)

weather:

notes

- AD arrived & left w/ JPL
- CDI on site @ 0700
- Completed P-90, 91, 92, 93. Field blank collected (for 8082A only). MS/MSD collected @ P-91 (12-16)
- PCB area complete
- Attempted to do P-26, but location is on top of a hill that would require CDI to bring a different rig.

P-90 (Day 2)

16-20 @ 0727 PID 1.0 ppm

1.8/4

0.2 Grey F Sand, Some M Sand, tr C Sand wet

1.6 Tan F Sand, Little M Sand, tr C Sand, wet

20-24 @ 0737 PID 1.1 ppm

2.4/4

0.1 Grey F Sand, Little M Sand, tr C Sand, wet

1.1 Tan F Sand, Little M Sand, tr C Sand, wet

0.5 Tan F Sand, tr M Sand, tr C Sand, wet

0.3 Tan F Sand, Little M Sand, tr C Sand, wet

24-28 @ 0748 PID 1.8 ppm

2.1/4

0.1 Grey F Sand, Little M Sand, tr C Sand, wet

2 Tan F Sand, Little M Sand, tr C Sand, wet

28-32 @ 0801 PID 1.2 ppm

2/4

2 Tan F Sand, Little M Sand, tr C Sand, tr gravel, wet

P-91

0-4 @ 0814 PID 0.8

2/4

0.8 Brown F Sand, Little M Sand, tr C Sand, dry

0.1 concrete

0.3 Brown F Sand, Little M Sand, tr C Sand, dry

DEC-Eastfarmingdale 7/09/14

P-91 cont

0.8 Dark brown F Sand, little M sand, tr C Sand, tr asphalt, dry

4-8 @ 0818 PID 0.7 ppm

1.8/4

0.1 Dark brown F sand, little M sand, tr C Sand, dry

1.7 Brown F Sand, tr M Sand, tr C Sand, dry

8-12 @ 822 PID 1.1 ppm

2.6/4

0.3 Brown F Sand, tr M Sand, tr C Sand, dry

0.4 Dark brown F Sand, little M Sand, tr C Sand, dry

0.3 Brown F Sand, little M Sand, tr C Sand

0.7 Black/brown F Sand, tr M Sand, tr C Sand, tr gravel moist

0.6 Brown F Sand, tr M, tr C, tr gravel, moist

0.3 Tan F Sand, little M Sand, tr C Sand, tr gravel moist

12-16 @ 0828 PID 1.4

3.5

1.4 Dark brown F Sand, little M Sand, tr C Sand tr gravel, moist

0.7 Tan F Sand, tr M Sand, tr C Sand, moist

1.4 Tan F Sand, little M Sand, tr C Sand, tr gravel wet

P-91 cont

16-20 @ 0832 PID 0.7 ppm

3.3/4

0.7 Brown F Sand, little M Sand, tr C Sand, tr gravel, dry

1.0 Tan F Sand, little M Sand, tr C Sand, wet

0.9 Light Grey F Sand, little M Sand, tr C Sand wet

0.7 Tan F Sand, tr M Sand, tr C Sand, wet

20-24 @ 0840 PID 1.8 ppm

1.5/4

1.5 Tan F Sand, little M Sand, tr C Sand, wet

24-28 @ 0850 PID 1.6 ppm

2.3/4

1.1 Tan F Sand, some M Sand, little C Sand, t

1.2 Tan F Sand, tr M Sand, tr C Sand, wet

28-32 @ 0902 PID 1.7 ppm

1.5/4

0.5 Tan F Sand, little M Sand, tr C Sand, wet

0.3 Tan M Sand, some F Sand, little C Sand, wet

0.7 Tan F Sand, little M Sand, tr C Sand, wet

P-92

0-4 @ 0940 PID 0.9 ppm

3.5

0.9 Brown F Sand, tr M Sand, tr C Sand, tr gravel dry

DEC-Eastfarmingdale 7/09/14

P-92 cont

0.7 Red brick

1 Brown F Sand, little Red brick, trM sand, trc Sand, dry

0.4 Red brick

0.5 Brown F Sand, trM Sand, trC sand, tr Red brick, dry

4-8 @ 0944 PID 2.1

2/4

0.1 Brown F Sand, trM sand, trC Sand, dry

0.3 Red brick

1.6 Brown F Sand, trM Sand, trC Sand, tr gravel dry

8-12 @ 0949 PID

2.5/4

1.3 Brown F Sand, little M Sand, trC Sand, tr Red brick

0.1 Dark brown F sand, trM sand

0.7 Brown F sand, little M sand, trC Sand dry

0.4 Dark brown F Sand, trM Sand, trC Sand, moist

12-16 @ 0954 PID 4.1

1.6/4

1 Brown F Sand, little M Sand, little Red brick, trC Sand dry

0.2 Brown-Tan F Sand little M Sand, trC Sand wet-moist

P-92 cont

2.4 Grey-Black F Sand, little M Sand, trC Sand, wet

16-20 @ 1001 PID 5.8 ppm

3.2/4

1 Brown F Sand, little M Sand, little Red brick trC Sand, dry

1.4 Brown F Sand, some clay, little M Sand, trC Sand wet

0.8 Black clay trF Sand, trM Sand, Piece of wood

20-24 @ 1009 PID 3.1 ppm

0.9/4

0.9 Grey F-M Sand, little C Sand, tr gravel, wet

24-28 @ 1020 PID 4.2

1.4/4

1.4 Tan F Sand, little M Sand, trC Sand, tr gravel, wet

28-32 @ 1032 PID

1.9/4

0.5 Tan F Sand, little M Sand, trC Sand, wet

0.5 Tan F Sand, some M Sand, little C Sand, wet

0.4 Tan F Sand, trM Sand wet

0.5 Tan F Sand, little M Sand, trC Sand, wet

DEC Eastfarming dave 7/09/14

P-93

0-4 @ 1111 PID 3.4 ppm

1.9/4

1.5 Brown F sand, tr M sand, tr C sand, tr red brick, dry

0.4 concrete

4-8 @ 1116 PID 2.7 ppm

2.1/4

2.1 Brown F sand, little M sand, little concrete tr C sand, tr gravel, dry

8-12 @ 1121 PID 3.0 ppm

1.4/4

0.5 Brown F sand, little M sand, tr C sand, dry

0.4 light brown F sand, little M sand, tr C sand dry

0.5 light brown F sand, little M sand, tr C sand tr gravel, moist

12-16 @ 1126 PID 2.1

2/4

1.3 Brown F sand, little M sand, tr C sand dry

0.1 asphalt

0.2 Brown F sand, little clay, little M sand, tr C sand moist

0.4 Grey F sand, little M sand, tr C sand, wet

P-93 cont

16-20 @ 1132 PID 1.0

3.7/4

1.4 Brown F sand, little M sand, tr C sand, tr gravel dry

0.3 Grey ~~to Black~~ F sand, little M sand, tr C sand wet

1.6 Black F sand, little M sand, tr C sand, wet

20-24 @ 1143 PID 2.4 ppm

1.9/2

1.9 Grey to ~~Black~~ dark Grey F sand, little M sand, tr C sand, wet

24-28 @ 1152 PID 1.8 ppm

0.7/4

0.7 Black/Grey F sand, little M sand, tr C sand, piece of wood, wet

28-32 @ 1203 PID 0.8

2.2/4

2.1 Grey F sand, little M sand, tr C sand, tr gravel wet

0.1 Gray/Tan F sand, little M sand, tr C sand, wet

DEC - Eastfarmingdale 7/09/14

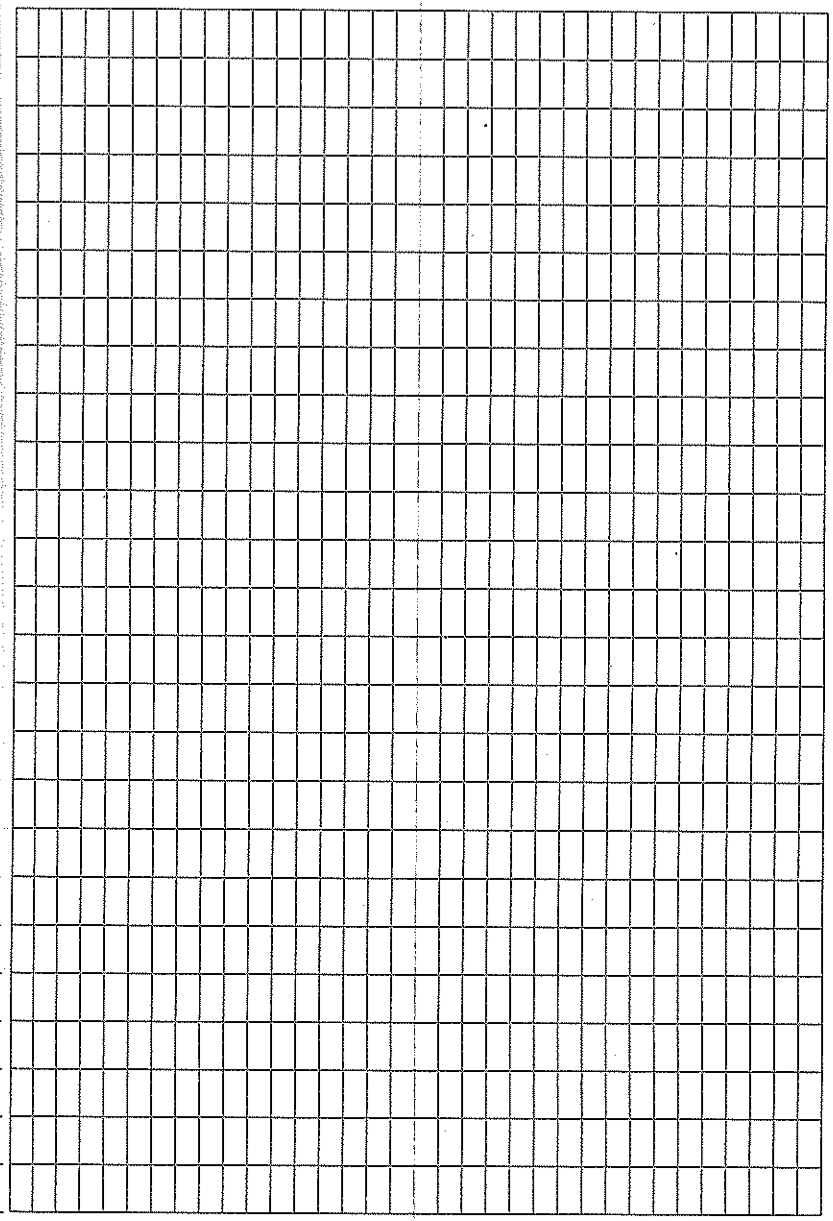
CAMP

Upwind

TWA 0.3 ug/m³ 0.0ppm

Downwind

TWA 0.0 ug/m³ 0.0ppm



Groundwater Sampling Sheet: Stabilization Purge Method

Site: DEC-Eastfoamingdale

Date: 7/10/14

Techs: JR/BC

Start Time: 0630

End Time:

Equipment: 07S, WP-#2, 2000' Generator WLM-Geo Tech 200', YSI PE/S Turbidimeter

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time ~~Sampled~~	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	~~Notes~~ Turbidity (NTU)
MW-1	0.75	52.74'	16.13	36.61	1.0	~3.5	0815	3.47	15.34	5.57	164.6	0.275	9.03'
						~7	0830	3.24	15.36	5.94	144.5	0.274	3.49
						~10.5	0845	3.19	15.34	5.86	151.2	0.274	3.14
MW-1A	1.5	29.16	13.12	16.04	1.6	4	0915	0.90	16.03	6.65	-36.6	0.340	33.0
						8	0930	0.78	16.00	6.67	-42.1	0.337	18.6
						11.5	0945	0.93	15.97	6.62	-43.8	0337	14.8
						15	1000	0.97	15.82	6.67	-46.5	0.338	18.6
						18	1015	0.93	15.99	6.66	-47.0	0335	13.6
						22	1030	0.89	15.93	6.63	-44.8	0.331	12.3
						25	1045	0.88	15.92	6.65	-46.7	0.334	9.62
						28	1100	0.89	15.89	6.64	-45.1	0.331	8.48
						32	1115	0.85	16.03	6.62	-44.4	0.334	8.04
						35	1130	0.90	16.06	6.67	-46.1	0.334	8.75
						38	1145	0.88	15.95	6.65	-45.3	0.333	5.91
						42	1200	0.86	16.07	6.64	-44.6	0333	5.55
						45	1215	0.87	16.07	6.65	-46.1	0.334	7.85
						48	1230	0.85	16.03	6.65	-44.7	0333	7.60
						52	1245	0.86	16.01	6.62	-43.2	0.332	5.74

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

MW-1 - Started a little redish, quickly Cleared

MW-1A - Started black, mostly cleared up by end still a little murky

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

Groundwater Sampling Sheet: Stabilization Purge Method

Site: DEC-Eastfarmingdale

Date: 7/10/14

Techs: JPL/BC

Start Time: 0630

End Time:

Equipment:

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	~~Notes~~
MW-1A	1.5	29.16	13.12	16.04	1.6	55	1300	0.85	16.01	6.65	-44.4	0.333	Turbidity (NTU) 7.44
↓						58	1315	-0.01	16.18	6.66	-45.1	0.333	6.21
MW-2	0.75	31.86	20.16	11.70	0.32	1	1345	1.03	15.02	6.73	-49.8	0.794	over range
						2	1400	0.88	14.86	6.66	-47.7	0.789	1884 AV
						4	1415	1.01	14.93	6.57	-41.2	0.790	784

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

MW-2 Started brown, cleared up just a little

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

Site: DEC-East farmingdale

Groundwater Sampling Sheet: Stabilization Purge Method

Start Time: 0630

Equipment: see work order

Date: 7/11/14

End Time: 1630

Techs: JPL / BV

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	~~Notes~~ Turbidity (NTU)
MW-3							1240	1.38	14.13	6.57	47.8	0.333	4.35
MW-4	0.75	34.23	16.18	18.05	0.49	3	1310	1.8	16.30	6.70	2.7	0.309	1244 AV
						5	1325	1.86	15.95	6.55	15	0.309	651
						8	1340	2.05	15.87	6.55	23.5	0.303	78
						11	1355	2.02	1566	6.49	24.7	0.301	87.4
						13	1410	2.01	1553	6.36	37.0	0.300	77.6
						16	1425	2.02	16.92	6.52	22.9	0.302	82.1
						19	1445	2.01	1544	6.51	27.2	0.298	57.9
						21	1455	2.01	1553	6.43	32.8	0.297	53.9
						23	1307	2.01	15.52	6.43	34.9	0.297	42
						25	1320	2.03	15.66	6.52	26.7	0.296	38

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

Work only shifted from one well to another after consulting EAR PM (IH)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

Roux observer onsite ~1115-1145

Site: DEC - East Farmingdale

Date: 7/11/14

Techs: JPL/BV

Groundwater Sampling Sheet: Stabilization Purge Method

Start Time: 0630

End Time: 1630

Equipment: See work order

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	~~Notes~~ Turbidity (NTU)
MW-2	0.75	30.91	20.22	10.69	0.29	2	0800	2.38	14.28	6.49	-29	0.789	1246
						5	0815	2.11	14.19	6.50	-30.5	0.782	51
						7	0830	1.94	14.12	6.56	-33.7	0.781	43
						10	0845	2.01	13.98	6.50	-27.8	0.775	40
						13	0900	2.22	14.08	6.60	-35.3	0.775	50
						15	0915	2.61	14.17	6.56	-35.6	0.772	65.4
						18	0930	2.41	14.19	6.60	-39.2	0.772	44.1
						20	0945	2.34	14.29	6.59	-37.9	0.771	33.2
						22	1000	2.56	14.79	6.72	-40.1	0.773	27.9
						25	1015	2.54	14.95	6.65	-32.7	0.773	34.5
						27	1030	2.41	14.62	6.67	-36.9	0.772	25.3
						29.5	1045	2.40	14.66	6.63	-37.3	0.770	23
						32	1100	2.12	14.39	6.64	-37.3	0.768	24.7
						35	1115	2.24	14.43	6.57	-36.5	0.766	32.1
						39	1130	2.19	14.40	6.66	-40.1	0.770	37.9
MW-3	0.75	33.64	16.42	17.22	0.47	4	1200	1.75	13.85	6.53	48.5	0.324	42.2
						8	1215	1.69	13.79	6.37	59.4	0.324	22.9
						12	1230	1.3	14.07	6.48	54.5	0.323	14

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

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DEC-Lindenhurst #269 7/14/14

MV-15R Start @ ~0755

0-15' bg Direct push, no lithology logged

Well installed - 10' of .020" slotted screen w/ 5' riser

Collapse up to ~8' bgs

Filter pack ~5-4' bgs

Bentonite ~4-1' bgs

Grout to surface with

TWD 1522' DTW 7.46'

DEC-Eastfarmingdale 7/15/14

Start: 0630 on: 0730

Purpose: Soil sampling in CR Area

on site: JPL (Tech), BV (Fab)

Equip: 07S,

Weather

Notes

- Huge mosquito population
- Test America on site @ 1240
- Sampled CR-12, CR-10 → CR-1.
- Sampling in CR area is complete
- Tomorrow will begin on General area

DEC - Eastfarmingdale 7/15/14

CR-12

Surf @ 0825 PID 0.3

Brown F sand, little M sand, trC sand, tr gravel, moist

0-1 @ 0829 PID 0.1

Brown F sand, little M sand, trC sand, tr gravel, moist

CR-11

Sampled during installation of MW-4

CR-10

Surf @ 0834 PID 0.0

Brown F sand, little M sand, trC sand, tr gravel, moist

0-1 @ 0835 PID 0.1

Brown F sand, little M sand, trC sand, tr gravel, moist

CR-9

Surf @ 0839 PID 1.0

Brown F sand, little M sand, little C sand, tr gravel, moist

0-1 @ 0841 PID 0.3

Brown F sand, little M sand, little C sand, tr gravel, moist

CR-8

Surf @ 0846 PID 0.8

Brown F sand, little M sand, little C sand, tr gravel, moist

0-1 @ 0847 PID 0.2

CR-8 cont

Brown F sand, little M sand, little C sand, tr gravel, moist

CR-7

Surf @ 0948 PID 1.4

Brown F sand, some M sand, little C sand, tr gravel, moist

0-1 @ 0949 PID 1.7

Brown F sand, some M sand, little C sand, tr gravel, moist

CR-6

Surf @ 0952 PID 0.4

Brown F sand, little M sand, little C sand, tr gravel, moist

0-1 @ 0953 PID 0.1

Brown F sand, little M sand, little C sand, tr gravel, moist

CR-5

Surf @ 0955 PID 0.2

Brown F sand, little M sand, little C sand, tr gravel, moist

0-1 @ 0956 PID 0.1

Brown F sand, little M sand, little C sand, tr gravel, moist

CR-4

Surf @ 1001 PID 2.3

Brown F sand, some C sand, little M sand, tr gravel, moist

0-1 @ 1003 PID 1.4

DEC-Eastfarmingdale 7/15/14

CR-4 cont

Brown F sand, some C sand, little M sand, tr gravel, moist

CR-3

Surf @ 1120 PID 0.4

Brown F sand, little M sand, little C sand, tr gravel, moist

0-1 @ 1121 PID 0.9

Brown F sand, little M sand, little C sand, tr C sand, moist

~~CR-2~~

CR-2

Surf @ 1124 PID 1.0

Brown F sand, some C sand, little M sand, tr gravel, moist

0-1 @ 1125 PID 0.3

Brown F sand, some C sand, little M sand, tr gravel, moist

CR-1

Surf @ 1129 PID 0.1

Brown F sand, some C sand, little M sand, tr gravel, moist

0-1 @ 1130 PID 0.1

Brown F sand, some C sand, little M sand, tr gravel, moist

CAMP

Upwind

TWA 10 ug/m³ 0.0 ppm

Downwind

TWA 6.9 ug/m³ 0.0 ppm

DEC - Eastfarmingdale 7/16/14

Start: 0630 on: 0745 off 1345 End 1445

Purpose: Soil sampling in the general area

Equip: 075, PID #06

on site: JPL (Tech) AD (Fore)

weather 70's, raining

notes;

- Heavy rain, CAMP not set up, as discussed w/ IH
- At ~ 0825 White fog descended upon lower region of site, the area South of G-12 Site was vacated & upon asking nearby businesses learned that it was a CO_2 release from a tanker after a safety guage broke. Returned to site ~ 0850
- Second CO_2 release @ ~ 0920, same area. relocated to near the entrance.
- G-15 & G-16 were skipped due to their proximity to CO_2 release & tall surrounding features.
- 9 points samples. 7 left in G area

G-18

Surf @ 0856 PID 2.0 ppm

Brown F Sand, tr M Sand, moist

0-1 @ 0857 PID 2.4 ppm

Brown F Sand, tr M Sand, tr C Sand, moist

G-14

Surf @ 0904 PID 1.2 ppm

Brown F Sand, little M Sand, tr C Sand, moist

0-1 @ 0905 PID 0.7 ppm

Brown F Sand, little M Sand, little C Sand, tr gravel, moist

G-13

Surf @ 0911 PID 0.4 ppm

Brown F Sand, little M Sand, tr C Sand, tr gravel, moist

0-1 @ 0913 PID 0.4 ppm

Brown F Sand, little M Sand, little C Sand, tr gravel, moist

G-01

Surf @ 1041 PID 0.8 ppm

Brown F Sand, little M Sand, moist

0-1 @ 1042 PID 0.9 ppm

Brown F Sand, little M Sand, tr C Sand, tr gravel, moist

DEC - East farmingdale 7/16/11

G-02

Surf @ 1046 PID 0.1 ppm

Brown F Sand, little M Sand, tr C Sand, moist

0-1 1048 PID 0.0 ppm

Brown F Sand, little M Sand, tr C Sand, tr gravel, moist

G-03

Surf @ 1051 PID 0.0 ppm

Brown F Sand, little M Sand, tr C Sand, tr gravel, moist

0-1 @ 1052 PID 0.3 ppm

Brown F Sand, little M Sand, little C Sand, tr gravel, moist

G-04

Surf @ 1057 PID 1.1 ppm

Brown F Sand, little C Sand, tr M Sand, tr gravel, moist

0-1 @ 1056 PID 0.7 ppm

Brown F Sand, little M Sand, little C Sand, tr gravel, moist

G-05

Surf @ 1220 PID 2.0 ppm

Brown F Sand, tr M Sand, tr C Sand, moist

0-1 @ 1221 PID 1.3 ppm

Brown F Sand, little M Sand, tr C Sand, tr gravel moist

G-06

Surf @ 0632 PID 1.2 ppm

Brown F Sand, little M Sand, tr C Sand, tr gravel moist

0-1 @ 0633 PID 1.0 ppm

Brown F Sand, little M Sand, little C Sand, tr gravel moist

DEC-East farmingdale 7/17/14

Start 0630 on 0900 off 1300 End 1430

Purpose soil Sampling in the General (G) Area

on site JPL (Tom) AD (Tom)

Equip ATS, hand Augers, PID

Weather Sunny, 80's

notes

- lock on front gate would not open. After discussing w/ IH (PM), returned to office & came back w/ bolt cutters & replaced the lock w/ new 3753 Masterlock

— G samples completed, this marks the end of all scheduled soil sampling for DEC-East farmingdale @ this time

G-16

Surf @ 0916 PID 0.0 ppm

Brown F Sand, some M sand, little C sand, dry

0-1 @ 0917 PID 0.6 ppm

Brown F Sand, some M Sand, little C sand, tr gravel, dry

G-15

Surf @ 0920 PID 1.4 ppm

Brown F Sand, little M Sand, tr C sand, dry

0-1 @ 0921 PID 1.1 ppm

Brown F sand, some M sand, little C Sand, tr gravel, dry

G-11

Surf @ 0927 PID 0.8 ppm

Brown F Sand, some C Sand, little M Sand, tr gravel, dry

0-1 @ 0928 PID 0.0 ppm

Brown F Sand, some M Sand, little C sand, tr gravel, dry

G-10

Surf @ 0932 PID 0.9 ppm

Brown F Sand, some C sand, little M sand, tr gravel, dry

0-1 @ 0933 PID 0.9 ppm

Brown F Sand, some M Sand, some C sand, tr gravel, dry

DEC East Farmingdale 7/17/14

G-09

Surf @ 1048 PID 0.2ppm

Brown F sand, little M sand, tr C sand, tr gravel, dry

0-1 @ 1050 PID 0.3ppm

Brown F sand, little M sand, little C sand, tr gravel, dry

G-08

Surf @ 1054 PID 0.1ppm

Brown F sand, some M sand, some C sand, tr gravel, dry

0-1 @ 1055 PID 0.1ppm

Brown F sand, some M sand, some C sand, tr gravel, dry

G-07

Surf @ 1058 PID 0.1ppm

Brown F sand little M sand, tr C sand, dry

0-1 @ 1059 PID 0.4ppm

Brown F sand, some C sand, little M sand, tr gravel, dry

Field blank for 8260 collected @ 1245

Groundwater Sampling Sheet: Stabilization Purge Method

Site: DEC - East Farmingdale

Date: 7/28/14

Techs: JPL/CS

Start Time: 7:15

End Time: 15:30

Equipment: 075, Honda 2000i generator
GP, 100' WLM

WELL ID	Well Size (inches)	Total Well Depth (ft)	Depth to Water (ft)	Length of Column (ft)	One Standing Water Well Volume	Total Gallons Purged	Time Sampled	DO (mg/L)	Temp. °C	pH	ORP	Specific Conductance	Turbidity (NTUs) Notes	Length of riser
MW-1	0.75	49.78	16.53	33.25	0.9	3.0	0928	4.40	16.37	5.81	216.5	275	0.12	2'10"
						3.8	0936	4.58	16.45	5.90	203.7	274	0.29	
MW-1A	1.5	29.63	16.64	12.99	1.3	2	1010	1.73	16.90	6.47	48.3	325	9.78	
						3.5	1019	1.66	17.03	6.54	144	330	5.39	
						4	1025	1.59	17.08	6.49	5.1	331	4.1	
MW-2	0.75	29.08	18.23	10.85	0.30	1	1118	1.36	16.61	7.14	-26.4	749	5.51	
						1.5	1123	1.50	16.65	7.16	-32.3	754	4.25	
MW-3	0.75	30.11	17.04	13.07	0.35	1	1207	1.69	16.07	7.04	28.9	373	3.41	
						1.5	1210	1.71	16.53	7.02	30.2	371	2.71	
MW-4	0.75	31.97	16.87	15.1	0.42	1	1250	1.87	17.31	7.37	-136.0	283	10.78	
						1.5	1255	1.50	17.52	7.24	-112.0	286	5.10	
BaW-06C	1	30.29	16.71	13.58	0.61	1	1330	4.59	17.01	7.03	45.2	300	11.51	
						1.5	1335	4.01	16.98	6.99	54.1	303	5.64	

Well Size (inches)		0.5	0.75	1	1.5	2	4	6	8
Multiplier based on 4 well volumes		0.06	0.11	0.18	0.42	0.7	2.65	6	10.4
Multiplier based on 1 well volume		0.015	0.0275	0.045	0.105	0.175	0.663	1.5	2.6

Purge a minimum of 1 well volume & then wait for stabilization

Tolerance for stability:

Specific Conductance (3%)
temperature (3%)
pH +/- 0.1 units

Record DO & ORP but do not use for stability

Guidelines for Field Screening Values:

pH = 5 - 9

Temperature = 10 - 19 (except for VERY warm days - please try to keep purge container cool)

DO = less than 12 (unless very close to a sparge well)

Bob C. (DEC PM) onsite 1230 – 1415. He spoke teenagers w/ small bonfire. He approached, they scattered & we put out the fire w/ distilled water jugs

If readings are not in this range please try to recalibrate (except for temp, which cannot be calibrated). If they remain out of range, please do not write the value on the sheet - it is an equipment error.

PLEASE CONTACT THE PMs IF THERE IS A PROBLEM. THIS DATA IS IMPORTANT AND INCORRECT DATA IS WORSE THAN NO DATA. WE REALLY APPRECIATE YOUR WORK TO KEEP E.A.R. A TOP COMPANY IN THE FIELD

Appendix C: Laboratory Analytical Reports

Due to file size, Appendix B will be submitted under separate cover

Appendix D: QA/QC Sample Summary Table

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
East Farmingdale, NY
Site No. 152004

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation QA/QC Sample Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW6010C, SW7470A, SW8081B, SW8082A, SW8260C, SW8270D

Location	Equipment Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank
Date Collected	6/18/2014	6/20/2014	6/24/2014	7/1/2014	7/17/2014	7/28/2014	6/18/2014	6/24/2014	7/28/2014
1,1 Dichloroethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,1 Dichloroethene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,1,1 Trichloroethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,1,2 Trichloroethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,1,2,2 Tetrachloroethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,1-Biphenyl	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
1,2 Dibromoethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,2 Dichlorobenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,2 Dichloroethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,2 Dichloropropane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,2,3 Trichlorobenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,2,4 Trichlorobenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,2,4,5-Tetrachlorobenzene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
1,3 Dichlorobenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,4 Dichlorobenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
1,4-Dioxane	<50	<50	<50	n/a	<50	<50	<50	<50	<50
2,3,4,6-Tetrachlorophenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2,4,5-Trichlorophenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2,4,6-Trichlorophenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dichlorophenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dimethylphenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dinitrophenol	<30	<30	<30	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dinitrotoluene	<2	<2	<2	n/a	n/a	n/a	n/a	n/a	n/a
2,6-Dinitrotoluene	<2	<2	<2	n/a	n/a	n/a	n/a	n/a	n/a
2-Chloronaphthalene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2-Chlorophenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2-Hexanone	<5	<5	<5	n/a	<5	<5	<5	<5	<5
2-Methyl-4,6-dinitrophenol	<30	<30	<30	n/a	n/a	n/a	n/a	n/a	n/a
2-Methylnaphthalene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
2-Nitroaniline	<20	<20	<20	n/a	n/a	n/a	n/a	n/a	n/a
2-Nitrophenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
3,3-Dichlorobenzidine	<20	<20	<20	n/a	n/a	n/a	n/a	n/a	n/a
3-Nitroaniline	<20	<20	<20	n/a	n/a	n/a	n/a	n/a	n/a
4,4,-DDT	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
4,4-DDD	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
4,4-DDE	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
4-Bromophenyl-phenylether	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
4-Chloro-3-methylphenol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
4-Chloroaniline	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
4-Chlorophenyl-phenylether	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
4-Methyl-2-Pentanone	<5	<5	<5	n/a	<5	<5	<5	<5	<5
4-Nitroaniline	<20	<20	<20	n/a	n/a	n/a	n/a	n/a	n/a
4-Nitrophenol	<30	<30	<30	n/a	n/a	n/a	n/a	n/a	n/a
a BHC	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Acenaphthene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Acenaphthylene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Acetone	<5	<5	<5	n/a	<5	<5	**17**	<5	<5
Acetophenone	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Aldrin	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Aluminum	**129 J**	<200	<200	n/a	n/a	<200	n/a	n/a	n/a
Anthracene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Antimony	<20	<20	<20	n/a	n/a	<20	n/a	n/a	n/a
Aroclor 1016	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1221	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1232	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1242	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1248	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1254	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1260	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1262	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Aroclor 1268	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Arsenic	<15	<15	<15	n/a	n/a	<15	n/a	n/a	n/a

Fairchild Republic Aircraft; Old Sump
Route 110 (Broad Hollow Road)
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2014 Remedial Investigation QA/QC Sample Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW6010C, SW7470A, SW8081B, SW8082A, SW8260C, SW8270D

Location	Equipment Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank
Date Collected	6/18/2014	6/20/2014	6/24/2014	7/1/2014	7/17/2014	7/28/2014	6/18/2014	6/24/2014	7/28/2014
Atrazine	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
b BHC	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Barium	<200	<200	<200	n/a	n/a	<200	n/a	n/a	n/a
Benzaldehyde	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Benzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Benzo(a)anthracene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Benzo(a)pyrene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Benzo(b)fluoranthene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Benzo(g,h,i)perylene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Benzo(k)fluoranthene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Beryllium	<2	<2	<2	n/a	n/a	<2	n/a	n/a	n/a
bis(2-Chloroethoxy)methane	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
bis(2-Chloroethyl)ether	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
bis(2-Chloroisopropyl)ether	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
bis(2-Ethylhexyl)phthalate	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Bromochloromethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Bromoform	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Butylbenzylphthalate	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
c 1,3 Dichloropropene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Cadmium	<4	<4	<4	n/a	n/a	<4	n/a	n/a	n/a
Calcium	<5000	<5000	<5000	n/a	n/a	<5000	n/a	n/a	n/a
Caprolactam	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Carbazole	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Carbon Disulfide	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Carbon Tetrachloride	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Chlordane	<0.5	<0.5	<0.5	n/a	n/a	n/a	n/a	n/a	n/a
Chlorobenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Chloroethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Chloroform	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Chloromethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Chromium (total)	<10	<10	<10	n/a	n/a	<10	n/a	n/a	n/a
Chrysene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
cis-1,2-Dichloroethene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Cobalt	<50	<50	<50	n/a	n/a	<50	n/a	n/a	n/a
Copper	<25	<25	<25	n/a	n/a	<25	n/a	n/a	n/a
Cyclohexane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Cyclohexane, methyl-	<1	<1	<1	n/a	<1	<1	<1	<1	<1
delta-BHC	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Dibenzo(a,h)anthracene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Dibenzofuran	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Dibromochloromethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Dibromochloropropane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Dieldrin	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Diethylphthalate	**1.7 J**	**1.6 J**	**1.5 J**	n/a	n/a	n/a	n/a	n/a	n/a
Dimethylphthalate	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Di-n-butylphthalate	**1.5 J**	**1 J**	<10	n/a	n/a	n/a	n/a	n/a	n/a
Di-n-octylphthalate	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Endosulfan I	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Endosulfan II	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Endosulfan Sulfate	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Endrin	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Endrin Aldehyde	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Endrin ketone	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Fluoranthene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Fluorene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Freon 113	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Gamma-BHC(Lindane)	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Heptachlor	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a

Fairchild Republic Aircraft; Old Sump
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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

2014 Remedial Investigation QA/QC Sample Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW6010C, SW7470A, SW8081B, SW8082A, SW8260C, SW8270D

Location	Equipment Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank
Date Collected	6/18/2014	6/20/2014	6/24/2014	7/1/2014	7/17/2014	7/28/2014	6/18/2014	6/24/2014	7/28/2014
Heptachlor Epoxide	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Hexachlorobenzene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Hexachlorobutadiene	<2	<2	<2	n/a	n/a	n/a	n/a	n/a	n/a
Hexachlorocyclopentadiene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Hexachloroethane	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Indeno(1,2,3-cd)pyrene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
Iron	<150	<150	<150	n/a	n/a	<150	n/a	n/a	n/a
Isophorone	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Isopropylbenzene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Lead	<10	<10	<10	n/a	n/a	<10	n/a	n/a	n/a
m + p Xylene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Magnesium	<5000	<5000	<5000	n/a	n/a	<5000	n/a	n/a	n/a
Manganese	<15	<15	<15	n/a	n/a	<15	n/a	n/a	n/a
Mercury	<0.2	<0.2	<0.2	n/a	n/a	<0.2	n/a	n/a	n/a
Methoxychlor	<0.05	<0.05	<0.05	n/a	n/a	n/a	n/a	n/a	n/a
Methyl acetate	<5	<5	<5	n/a	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	<5	<5	<5	n/a	<5	<5	<5	<5	<5
Methylene Chloride	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Naphthalene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Nickel	<40	<40	<40	n/a	n/a	<40	n/a	n/a	n/a
Nitrobenzene	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
N-Nitrosodi-N-Propylamine	<1	<1	<1	n/a	n/a	n/a	n/a	n/a	n/a
N-Nitrosodiphenylamine	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
o-cresol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
o-Xylene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
p-cresol	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Pentachlorophenol	<30	<30	<30	n/a	n/a	n/a	n/a	n/a	n/a
Phenanthrene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Phenol (total)	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Polybrominated biphenyls (total)	<0.4	<0.4	<0.4	<0.4	n/a	<0.4	n/a	n/a	n/a
Potassium	<5000	<5000	<5000	n/a	n/a	<5000	n/a	n/a	n/a
Pyrene	<10	<10	<10	n/a	n/a	n/a	n/a	n/a	n/a
Selenium	<20	<20	<20	n/a	n/a	<20	n/a	n/a	n/a
Silver	<10	<10	<10	n/a	n/a	<10	n/a	n/a	n/a
Sodium	<5000	<5000	<5000	n/a	n/a	<5000	n/a	n/a	n/a
Styrene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
t 1,3 Dichloropropene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
t butylmethylether	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Tetrachloroethene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Thallium	<20	<20	<20	n/a	n/a	<20	n/a	n/a	n/a
Toluene	<1	**0.21 J**	<1	n/a	<1	<1	<1	<1	<1
Total BTEX	<5	**0.21**	<5	n/a	<5	<5	<5	<5	<5
Toxaphene	<0.5	<0.5	<0.5	n/a	n/a	n/a	n/a	n/a	n/a
trans-1,2-Dichloroethene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Trichloroethylene	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Trichlorofluoromethane	<1	<1	<1	n/a	<1	<1	<1	<1	<1
Vanadium	<50	<50	<50	n/a	n/a	<50	n/a	n/a	n/a
Vinyl Chloride	<1	<1	<1	n/a	<1	<1	<1	<1	**<1**
Zinc	<30	<30	<30	n/a	n/a	<30	n/a	n/a	n/a

Notes:
J - Indicates an estimated value below laboratory reporting limits