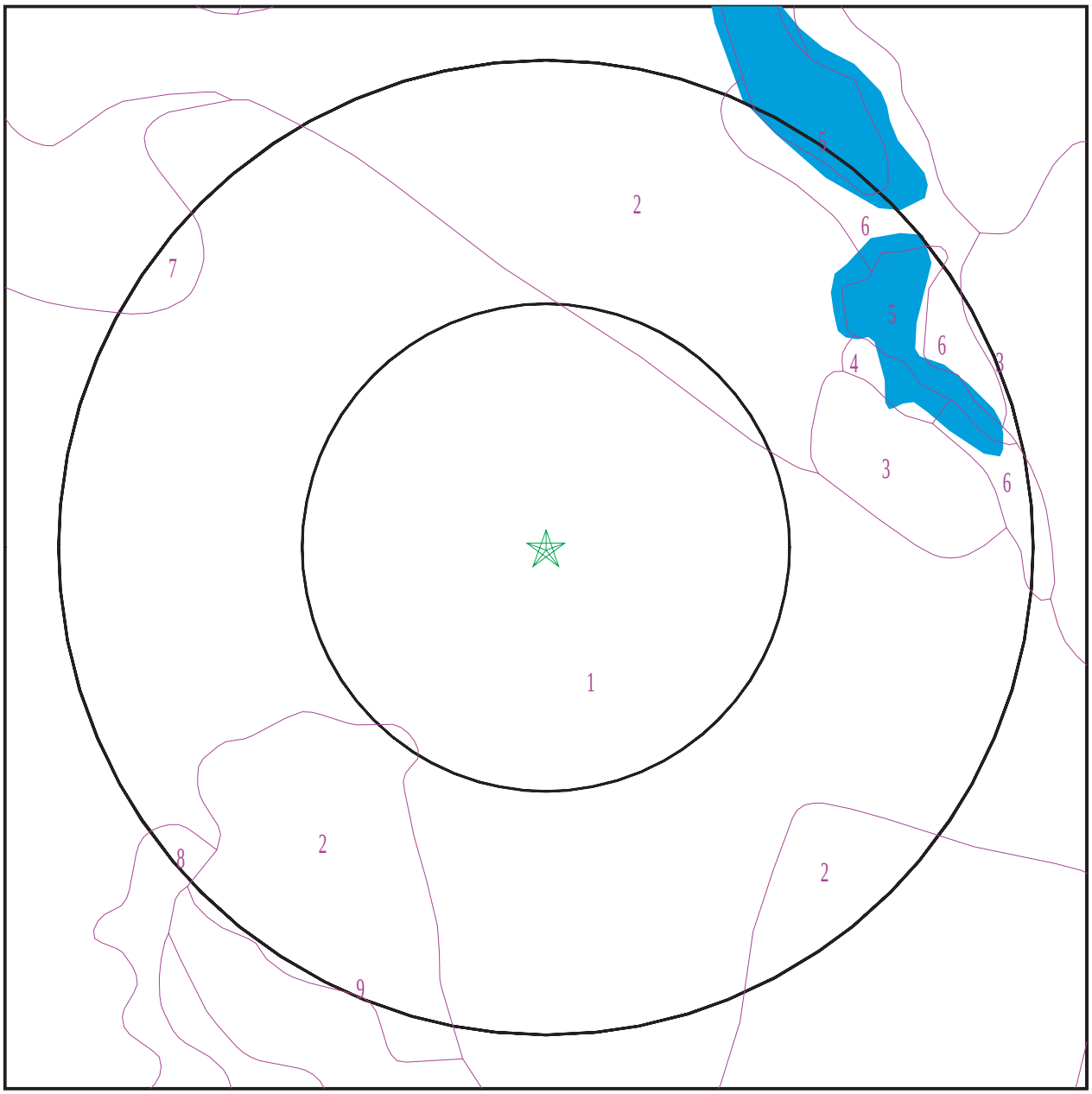
SSURGO SOIL MAP - 6452608.2s



SITE NAME:	1985,1975, &1995 Blue Hills Avenue Extension	CLIENT:	Northeast Utilities Service
ADDRESS:	1985,1975, &1995 Blue Hills Avenue Extension Windsor CT 06002	CONTACT:	Kaitlyn Weider
LAT/LONG:	41.878153 / 72.738611	INQUIRY #:	6452608.2s
		DATE:	April 15, 2021 9:15 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Merrimac

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6 Min: 5.1
2	9 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	16 inches	24 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6 Min: 5.1
4	24 inches	59 inches	stratified very gravelly coarse sand to gravelly sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6 Min: 5.1

Soil Map ID: 2

Soil Component Name: Udorthents

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 0.01	Max: 7.8 Min: 4.5
2	5 inches	21 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 0.01	Max: 7.8 Min: 4.5
3	21 inches	79 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 0.01	Max: 7.8 Min: 4.5

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture: material

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	material	Not reported	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 4

Soil Component Name: Raypol

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
2	7 inches	11 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	11 inches	20 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
4	20 inches	25 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
5	25 inches	29 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
6	29 inches	51 inches	stratified very gravelly coarse sand to loamy fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
7	51 inches	64 inches	stratified very gravelly coarse sand to loamy fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 6

Soil Component Name: Windsor

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	1 inches	3 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
3	3 inches	9 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
4	9 inches	20 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
5	20 inches	25 inches	sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
6	25 inches	64 inches	sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5

Soil Map ID: 7

Soil Component Name: Windsor

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
2	1 inches	3 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
3	3 inches	9 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
4	9 inches	20 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5
5	20 inches	25 inches	sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
6	25 inches	64 inches	sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 6.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: Rippowam

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 7.3 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	5 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 7.3 Min: 5.6
3	11 inches	18 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 7.3 Min: 5.6
4	18 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 7.3 Min: 5.6
5	24 inches	27 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 7.3 Min: 5.6
6	27 inches	31 inches	loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 7.3 Min: 5.6
7	31 inches	64 inches	stratified very gravelly coarse sand to loamy fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 42	Max: 7.3 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 9

Soil Component Name: Agawam

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 141	Max: 6.5 Min: 4.5
2	7 inches	14 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 141	Max: 6.5 Min: 4.5
3	14 inches	24 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 141	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	24 inches	59 inches	stratified very gravelly coarse sand to fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 703 Min: 141	Max: 6.5 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000229361	1/2 - 1 Mile ESE
2	USGS40000229348	1/2 - 1 Mile SW
3	USGS40000229360	1/2 - 1 Mile ESE
4	USGS40000229394	1/2 - 1 Mile East
A5	USGS40000229422	1/2 - 1 Mile ENE
A6	USGS40000229423	1/2 - 1 Mile ENE
7	USGS40000229390	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

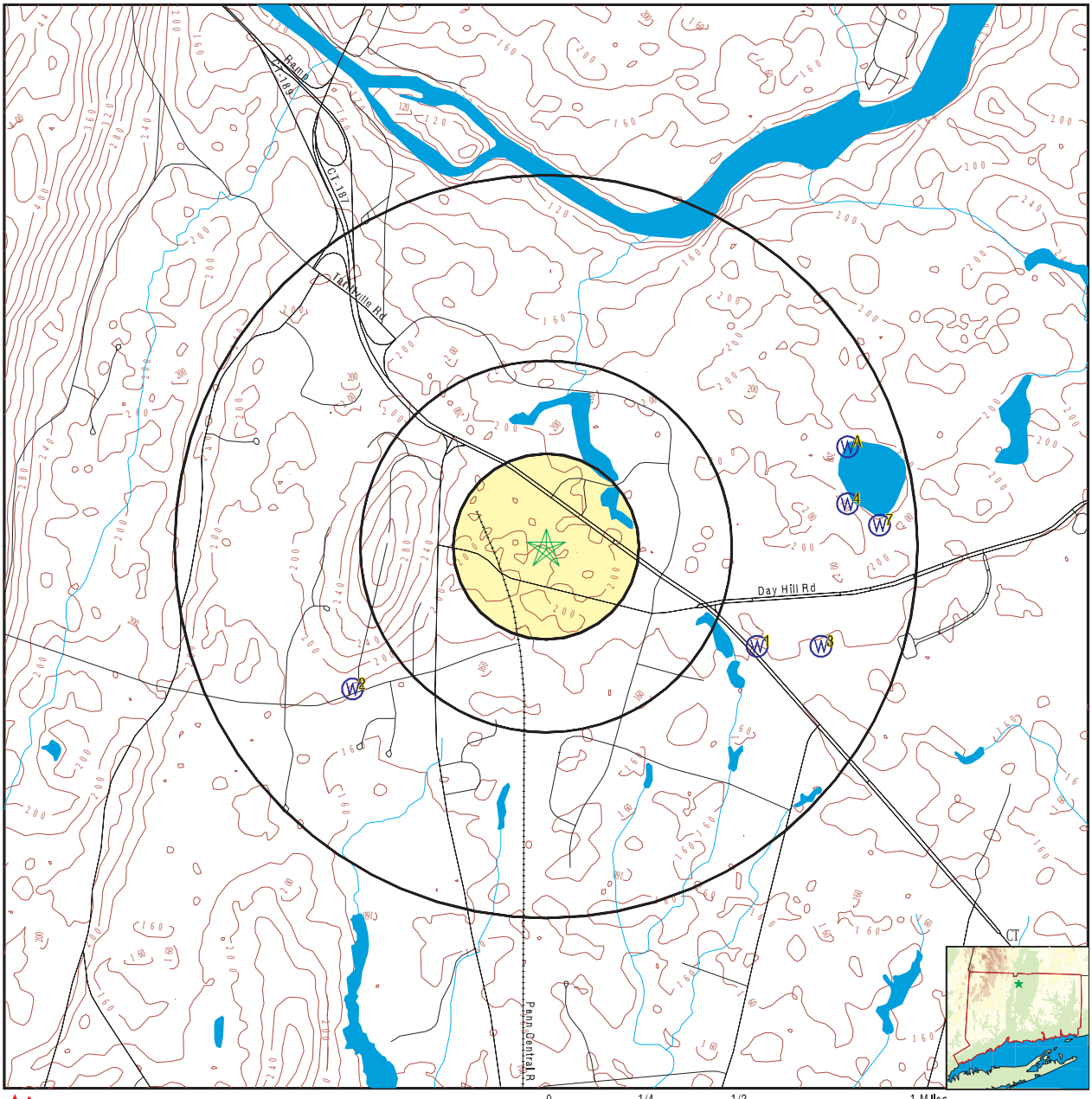
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 6452608.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- EPA Designated Sole Src. Aq.

SITE NAME:	1985,1975, &1995 Blue Hills Avenue Extension	CLIENT:	Northeast Utilities Service
ADDRESS:	1985,1975, &1995 Blue Hills Avenue Extension Windsor CT 06002	CONTACT:	Kaitlyn Weider
LAT/LONG:	41.878153 / 72.738611	INQUIRY #:	6452608.2s
		DATE:	April 15, 2021 9:15 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **ESE** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS40000229361**

Organization ID:	USGS-CT		
Organization Name:	USGS Connecticut Water Science Center		
Monitor Location:	CT-W 121	Type:	Well
Description:	Not Reported	HUC:	01080205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Drift, Stratified	Aquifer Type:	Not Reported
Construction Date:	1949	Well Depth:	34
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1949-11-01
Feet below surface:	12.00	Feet to sea level:	Not Reported
Note:	Not Reported		

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2 **SW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS40000229348**

Organization ID:	USGS-CT		
Organization Name:	USGS Connecticut Water Science Center		
Monitor Location:	CT-BL 155	Type:	Well
Description:	Not Reported	HUC:	01080205
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Early Mesozoic basin aquifers		
Formation Type:	Sedimentary Bedrock	Aquifer Type:	Not Reported
Construction Date:	1957	Well Depth:	126
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-08-01
Feet below surface:	22.00	Feet to sea level:	Not Reported
Note:	Not Reported		

---

3 **ESE** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS40000229360**

Organization ID:	USGS-CT		
Organization Name:	USGS Connecticut Water Science Center		
Monitor Location:	CT-W 122	Type:	Well
Description:	Not Reported	HUC:	01080207
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Drift, Stratified	Aquifer Type:	Not Reported
Construction Date:	1949	Well Depth:	50

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1949-11-01
Feet below surface:	8.00	Feet to sea level:	Not Reported
Note:	Not Reported		

4
East **FED USGS** **USGS40000229394**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CT		
Organization Name:	USGS Connecticut Water Science Center		
Monitor Location:	CT-W 134	Type:	Well
Description:	Not Reported	HUC:	01080207
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Drift, Stratified	Aquifer Type:	Not Reported
Construction Date:	1955	Well Depth:	58
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1955-11-01
Feet below surface:	6.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A5
ENE **FED USGS** **USGS40000229422**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CT		
Organization Name:	USGS Connecticut Water Science Center		
Monitor Location:	CT-W 126	Type:	Well
Description:	Not Reported	HUC:	01080207
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Drift, Stratified	Aquifer Type:	Not Reported
Construction Date:	1955	Well Depth:	70
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1955-11-01
Feet below surface:	1.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A6
ENE **FED USGS** **USGS40000229423**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CT
Organization Name:	USGS Connecticut Water Science Center

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Monitor Location:	CT-W 131	Type:	Well
Description:	Not Reported	HUC:	01080207
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Drift, Stratified	Aquifer Type:	Not Reported
Construction Date:	1955	Well Depth:	67
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1955-11-01
Feet below surface:	1.00	Feet to sea level:	Not Reported
Note:	Not Reported		

7
East
1/2 - 1 Mile
Lower

FED USGS **USGS40000229390**

Organization ID:	USGS-CT		
Organization Name:	USGS Connecticut Water Science Center		
Monitor Location:	CT-W 132	Type:	Well
Description:	Not Reported	HUC:	01080207
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Sand and gravel aquifers (glaciated regions)		
Formation Type:	Drift, Stratified	Aquifer Type:	Not Reported
Construction Date:	1955	Well Depth:	56
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1955-11-01
Feet below surface:	4.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CT Radon

Radon Test Results

City	# Sites	< 4 Pci/L	4 < 10 Pci/L	10 < 20 Pci/L	20 < 50 Pci/L	50 < 100 Pci/L	> 100 Pci/L
Southington	27	12 (44.4)	11 (40.7)	4 (14.8)	0 (0)	0 (0)	0 (0)
Suffield	12	10 (83.3)	2 (16.7)	0 (0)	0 (0)	0 (0)	0 (0)
Unionville	5	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Weatogue	6	6 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
West Hartford	55	46 (83.6)	7 (12.7)	1 (1.8)	1 (1.8)	0 (0)	0 (0)
West Simsbury	13	12 (92.3)	1 (7.7)	0 (0)	0 (0)	0 (0)	0 (0)
West Suffield	5	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Wethersfield	33	27 (81.8)	5 (15.2)	1 (3)	0 (0)	0 (0)	0 (0)
Windsor	19	15 (78.9)	4 (21.1)	0 (0)	0 (0)	0 (0)	0 (0)
Windsor Locks	8	8 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Tariffville	2	1 (50)	0 (0)	0 (0)	1 (50)	0 (0)	0 (0)
East Hampton	110	83 (100)	19 (0)	8 (0)	0 (0)	0 (0)	0 (0)
Manchester	34	24 (70.6)	10 (29.4)	0 (0)	0 (0)	0 (0)	0 (0)
Avon	15	8 (53.3)	6 (50)	1 (6.7)	0 (0)	0 (0)	0 (0)
Berlin	11	7 (63.6)	1 (9.1)	4 (36.4)	0 (0)	0 (0)	0 (0)
Bloomfield	7	7 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Bristol	17	10 (58.8)	4 (23.5)	3 (17.6)	0 (0)	0 (0)	0 (0)
Broad Brook	3	1 (33.3)	2 (66.7)	0 (0)	0 (0)	0 (0)	0 (0)
Burlington	125	125 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Canton	8	6 (75)	2 (25)	0 (0)	0 (0)	0 (0)	0 (0)
Collinsville	1	0 (0)	1 (100)	0 (0)	0 (0)	0 (0)	0 (0)
East Berlin	6	4 (66.7)	2 (33.3)	0 (0)	0 (0)	0 (0)	0 (0)
East Granby	13	8 (61.5)	0 (0)	1 (7.7)	0 (0)	4 (30.8)	0 (0)
East Hartford	20	20 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
East Hartland	1	1 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
East Windsor	4	3 (75)	1 (25)	0 (0)	0 (0)	0 (0)	0 (0)
Enfield	2	2 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Farmington	34	31 (91.2)	1 (2.9)	0 (5.9)	2 (0)	0 (0)	0 (0)
Forestville	3	3 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Glastonbury	152	120 (78.9)	22 (14.5)	5 (3.3)	4 (2.6)	0 (0)	1 (.7)
Granby	10	8 (80)	2 (20)	0 (0)	0 (0)	0 (0)	0 (0)
Hartford	99	95 (96)	5 (4)	0 (0)	0 (0)	0 (0)	0 (0)
Kensington	7	6 (85.7)	1 (14.3)	0 (0)	0 (0)	0 (0)	0 (0)
Marion	1	1 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Marlborough	16	12 (75)	4 (25)	0 (0)	0 (0)	0 (0)	0 (0)
New Britain	20	13 (65)	5 (25)	2 (10)	0 (0)	0 (0)	0 (0)
Newington	45	26 (57.8)	12 (26.7)	6 (13.3)	1 (2.2)	0 (0)	0 (0)
North Canton	2	2 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Plainville	2	2 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Plantsville	3	3 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Rocky Hill	24	19 (79.2)	3 (12.5)	2 (8.3)	0 (0)	0 (0)	0 (0)
Simsbury	13	12 (92.3)	1 (7.7)	0 (0)	0 (0)	0 (0)	0 (0)
South Glastonbury	13	10 (76.9)	0 (0)	1 (7.7)	1 (7.7)	0 (0)	1 (7.7)
South Windsor	23	23 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for HARTFORD County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 06002

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.740 pCi/L	80%	20%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Tidal Wetlands
Source: Department of Energy & Environmental Protection
Telephone: 860-424-4054

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Community and Non-Community Water System Wells
Source: Department of Public Health, Water Supplies Section
Telephone: 860-509-7333
Active, emergency and inactive wells used for potable purposes that are owned and operated by active community and non-community water systems in Connecticut.

OTHER STATE DATABASE INFORMATION

Connecticut Leachate and Wastewater Discharge Sites
Source: Department of Environmental Protection
Telephone:
The Leachate and Waste Water Discharge Inventory Data Layer (LWDS) includes point locations digitized from Leachate and Wastewater Discharge Source maps compiled by the Connecticut DEP. These maps locate surface and groundwater discharges that (1) have received a waste water discharge permit from the state or (2) are historic and now defunct waste sites or (3) are locations of accidental spills, leaks, or discharges of a variety of liquid or solid wastes.

EPA-Approved Sole Source Aquifers in Connecticut
Source: EPA
Telephone:
Sole source aquifers are defined as an aquifer designated as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for the area and for which there are no reasonable alternative sources should the aquifer become contaminated.

RADON

State Database: CT Radon
Source: Department of Public Health
Telephone: 860-509-7367
Radon Statistical Summary

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX E - HISTORICAL RECORDS

1985,1975, &1995 Blue Hills Avenue Extension

1985,1975, &1995 Blue Hills Avenue Extension

Windsor, CT 06002

Inquiry Number: 6452608.8

April 15, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/15/21

Site Name:

1985,1975, &1995 Blue Hills A
1985,1975, &1995 Blue Hills A
Windsor, CT 06002
EDR Inquiry # 6452608.8

Client Name:

Northeast Utilities Service
107 Selden Street (BMH2)
Berlin, CT 06037
Contact: Kaitlyn Weider

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1995	1"=500'	Flight Date: April 20, 1995	CTMAGIC
1992	1"=500'	Acquisition Date: January 01, 1992	USGS/DOQQ
1989	1"=500'	Flight Date: June 01, 1989	EDR
1985	1"=500'	Flight Date: March 25, 1985	USDA
1972	1"=500'	Flight Date: April 26, 1972	USGS
1970	1"=500'	Flight Date: May 30, 1970	USGS
1963	1"=500'	Flight Date: October 10, 1963	USGS
1957	1"=500'	Flight Date: June 09, 1957	CTMAGIC
1951	1"=500'	Flight Date: September 08, 1951	CTMAGIC
1944	1"=500'	Flight Date: January 16, 1944	USGS
1941	1"=500'	Flight Date: October 17, 1941	USGS
1934	1"=500'	Flight Date: May 09, 1934	FAIR

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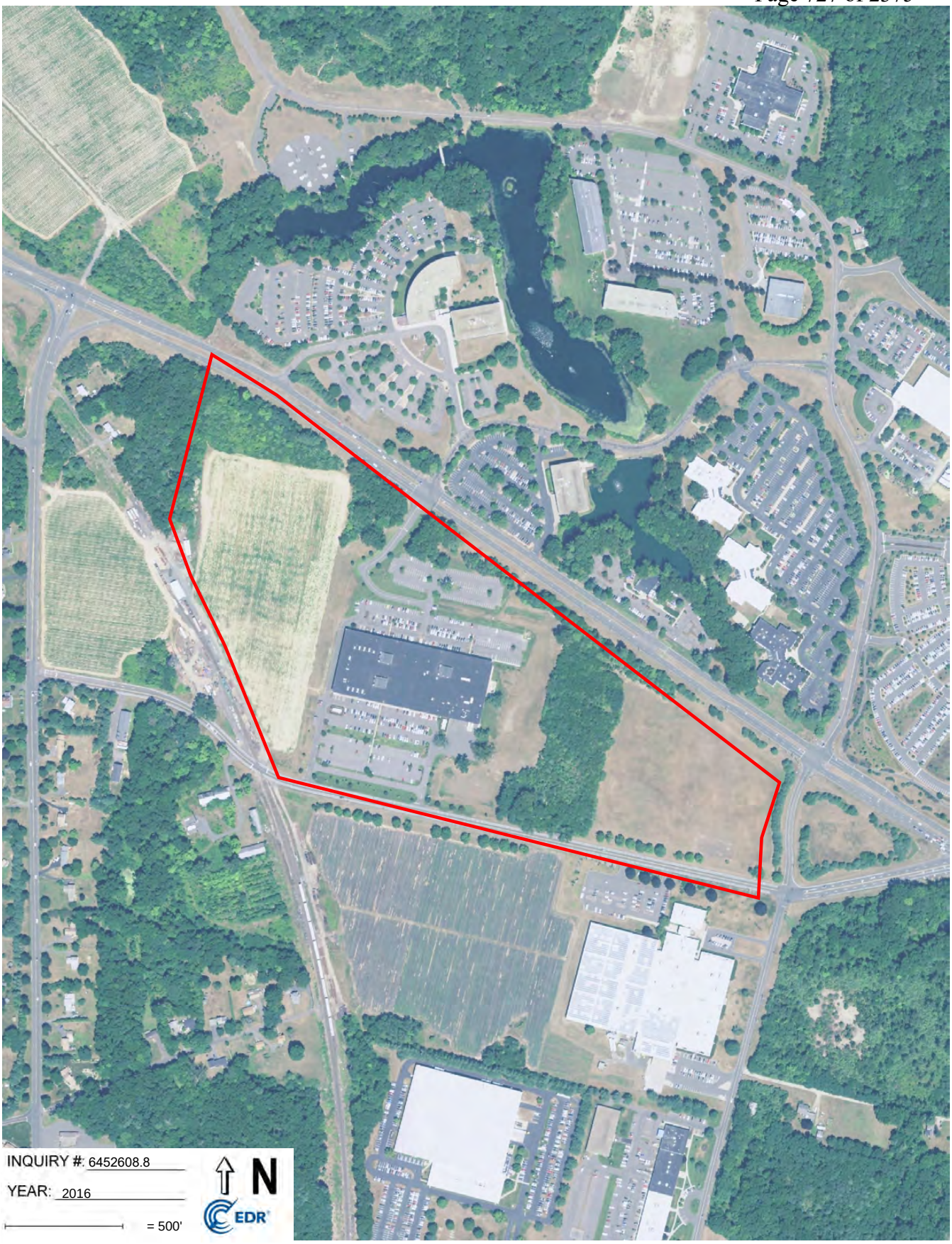
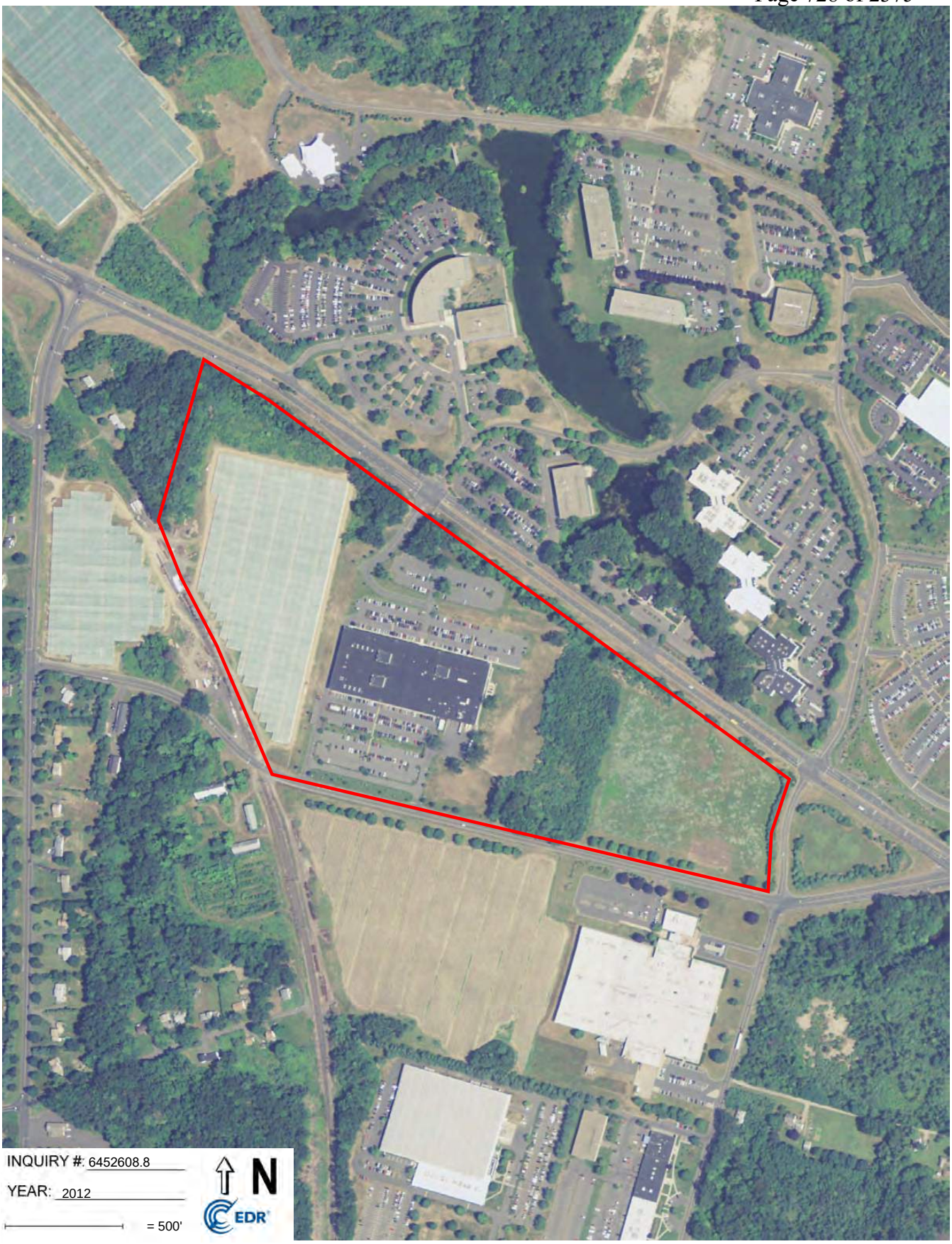

INQUIRY #: 6452608.8
YEAR: 2016
= 500'
N
EDR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YEAR: 2012
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EDR


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YEAR: 2008
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EDR


INQUIRY #: 6452608.8
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 6452608.8
YEAR: 1995
= 500'
N
EDR

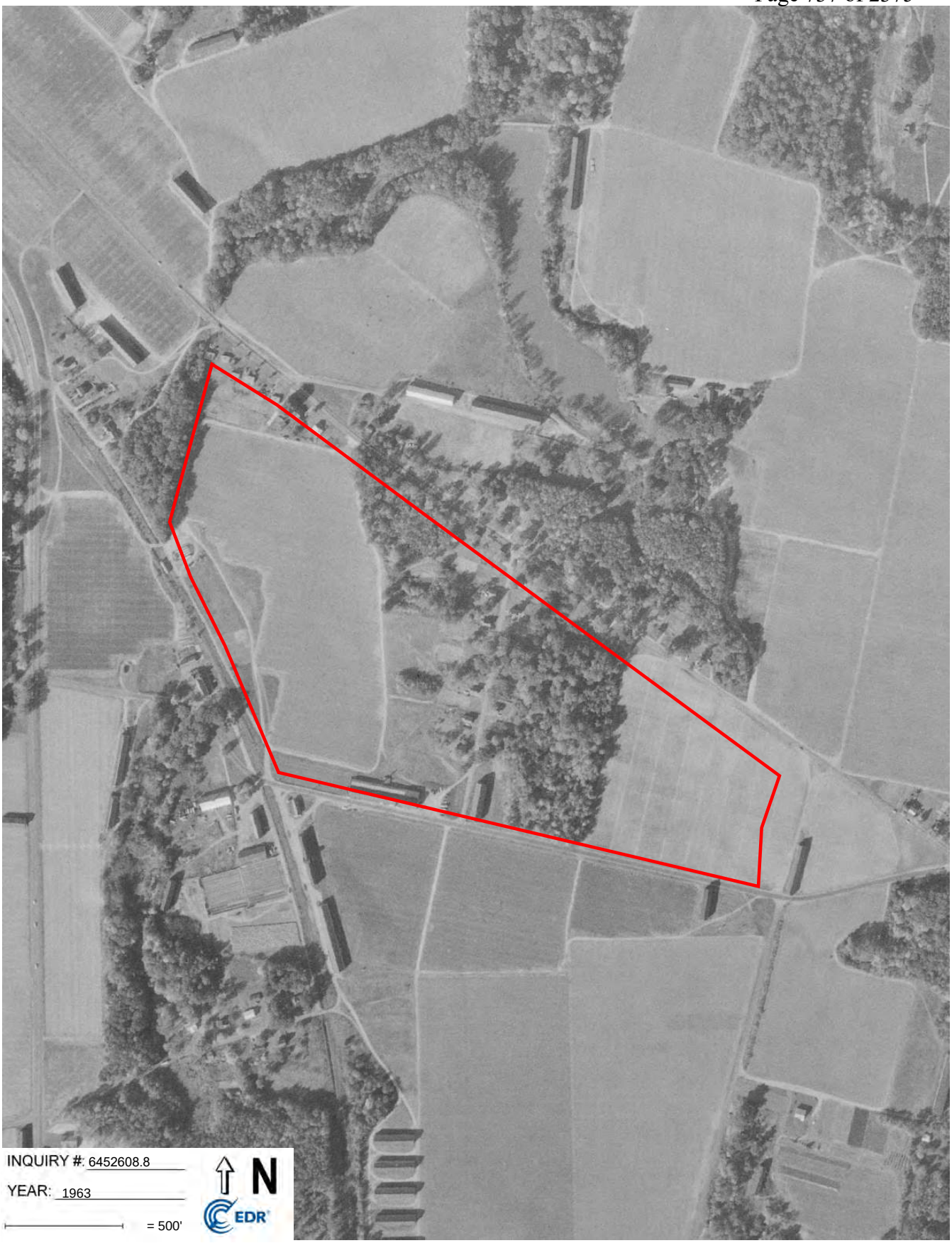

INQUIRY #: 6452608.8
YEAR: 1992
= 500'
N
EDR


INQUIRY #: 6452608.8
YEAR: 1989
= 500'
N
EDR


INQUIRY #: 6452608.8
YEAR: 1985
= 500'
N
EDR


INQUIRY #: 6452608.8
YEAR: 1972
= 500'
N
EDR


INQUIRY #: 6452608.8
YEAR: 1970
= 500'
N
EDR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YEAR: 1963
= 500'
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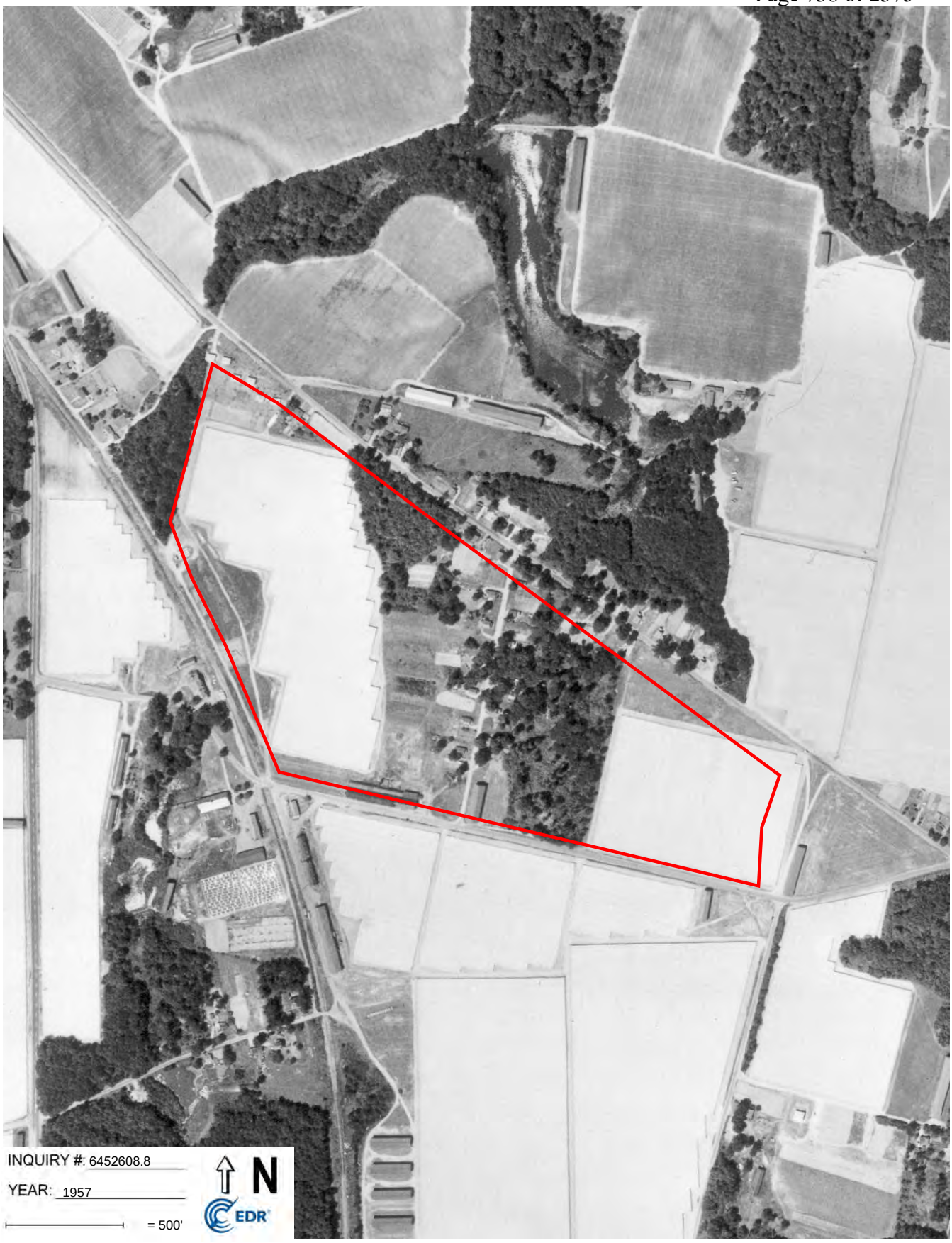
EDR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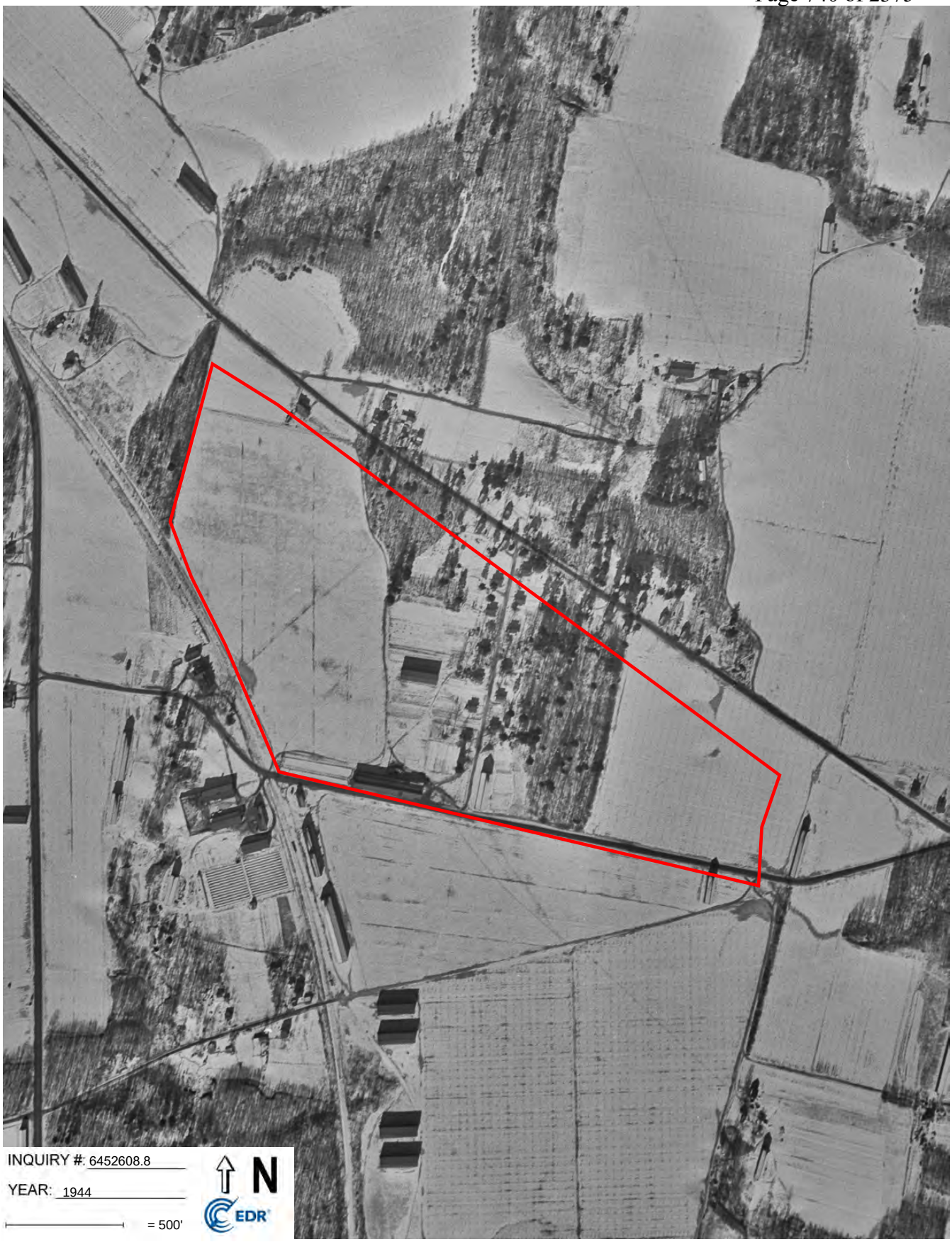
EDR


INQUIRY #: 6452608.8
YEAR: 1951
= 500'
N
EDR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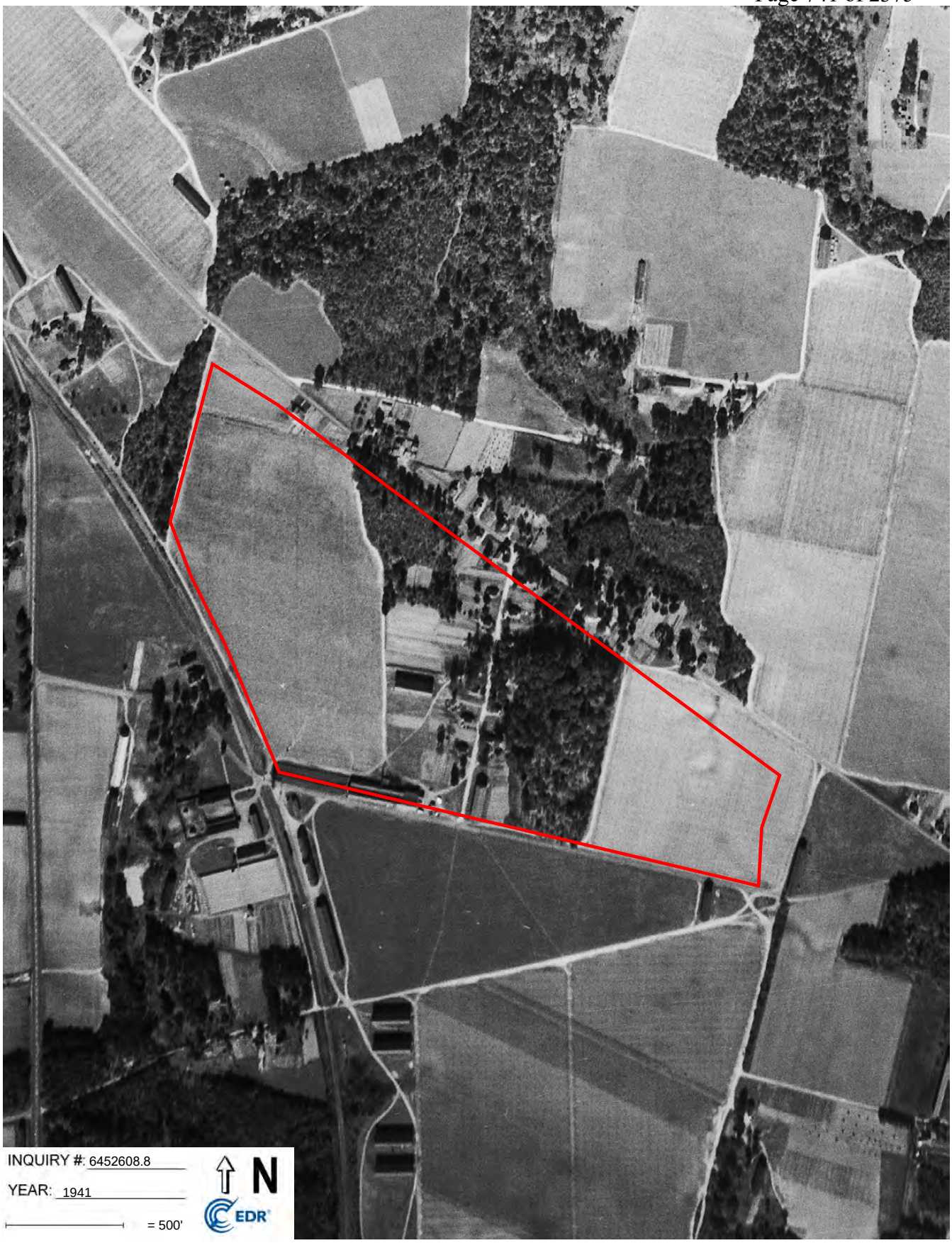
YEAR: 1944
= 500'
N
EDR


INQUIRY #: 6452608.8
YEAR: 1941
= 500'
N
EDR


INQUIRY #: 6452608.8
YEAR: 1934
= 500'
N
EDR

1985,1975, &1995 Blue Hills Avenue Extension

1985,1975, &1995 Blue Hills Avenue Extension

Windsor, CT 06002

Inquiry Number: 6452608.4

April 15, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/15/21

Site Name:	Client Name:
1985,1975, &1995 Blue Hills A	Northeast Utilities Service
1985,1975, &1995 Blue Hills A	107 Selden Street (BMH2)
Windsor, CT 06002	Berlin, CT 06037
EDR Inquiry # 6452608.4	Contact: Kaitlyn Weider

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Northeast Utilities Service were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	10884747	**Latitude:**	41.878153 41° 52' 41" North
Project:	NA	**Longitude:**	-72.738611 -72° 44' 19" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	687645.11
		UTM Y Meters:	4638720.49
		Elevation:	199.90' above sea level

Maps Provided:

2012	1951, 1952, 1953
1994	1947
1992	1945, 1946
1984	1928
1972	1906
1970	1892
1964, 1968	
1952, 1953, 1956, 1957	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Tariffville
2012
7.5-minute, 24000



Hartford North
2012
7.5-minute, 24000

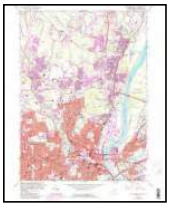


Avon
2012
7.5-minute, 24000



Windsor Locks
2012
7.5-minute, 24000

1994 Source Sheets



Hartford North
1994
7.5-minute, 24000
Aerial Photo Revised 1994

1992 Source Sheets



Hartford North
1992
7.5-minute, 24000
Aerial Photo Revised 1991

1984 Source Sheets



Tariffville
1984
7.5-minute, 24000
Aerial Photo Revised 1982



Avon
1984
7.5-minute, 24000
Aerial Photo Revised 1982



Hartford North
1984
7.5-minute, 24000
Aerial Photo Revised 1982



Windsor Locks
1984
7.5-minute, 24000
Aerial Photo Revised 1982

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1972 Source Sheets



Windsor Locks
1972
7.5-minute, 24000
Aerial Photo Revised 1972



Hartford North
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1970 Source Sheets



Tariffville
1970
7.5-minute, 24000
Aerial Photo Revised 1970

1964, 1968 Source Sheets



Windsor Locks
1964
7.5-minute, 24000
Aerial Photo Revised 1940



Hartford North
1964
7.5-minute, 24000
Aerial Photo Revised 1941



Avon
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1952, 1953, 1956, 1957 Source Sheets



Hartford North
1952
7.5-minute, 24000
Aerial Photo Revised 1952



Windsor Locks
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Tariffville
1956
7.5-minute, 24000
Aerial Photo Revised 1944



Avon
1957
7.5-minute, 24000
Aerial Photo Revised 1944

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1951, 1952, 1953 Source Sheets



Tariffville
1951
7.5-minute, 31680
Aerial Photo Revised 1944



Avon
1951
7.5-minute, 31680
Aerial Photo Revised 1944

1947 Source Sheets



WINDSOR LOCKS
1947
7.5-minute, 25000

1945, 1946 Source Sheets



Hartford North
1945
7.5-minute, 31680



Windsor Locks
1946
7.5-minute, 31680

1928 Source Sheets



Windsor
1928
7.5-minute, 24000
Aerial Photo Revised 1928



Windsor Locks
1928
7.5-minute, 24000
Aerial Photo Revised 1928

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1906 Source Sheets



Farmington
1906
30-minute, 125000

1892 Source Sheets



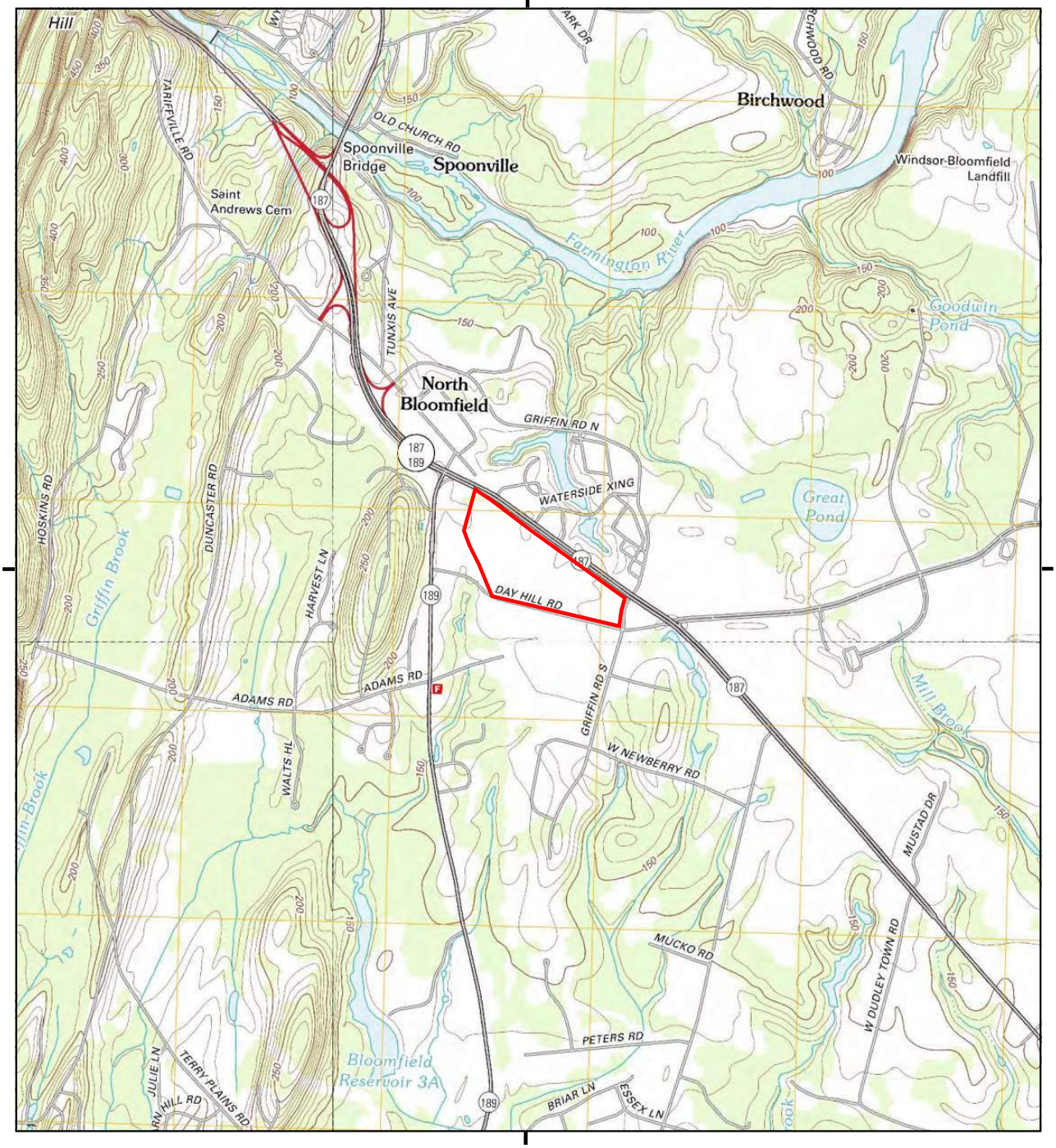
Hartford
1892
15-minute, 62500



Granby
1892
15-minute, 62500

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Windsor Locks, 2012, 7.5-minute
SE, Hartford North, 2012, 7.5-minute
SW, Avon, 2012, 7.5-minute
NW, Tariffville, 2012, 7.5-minute

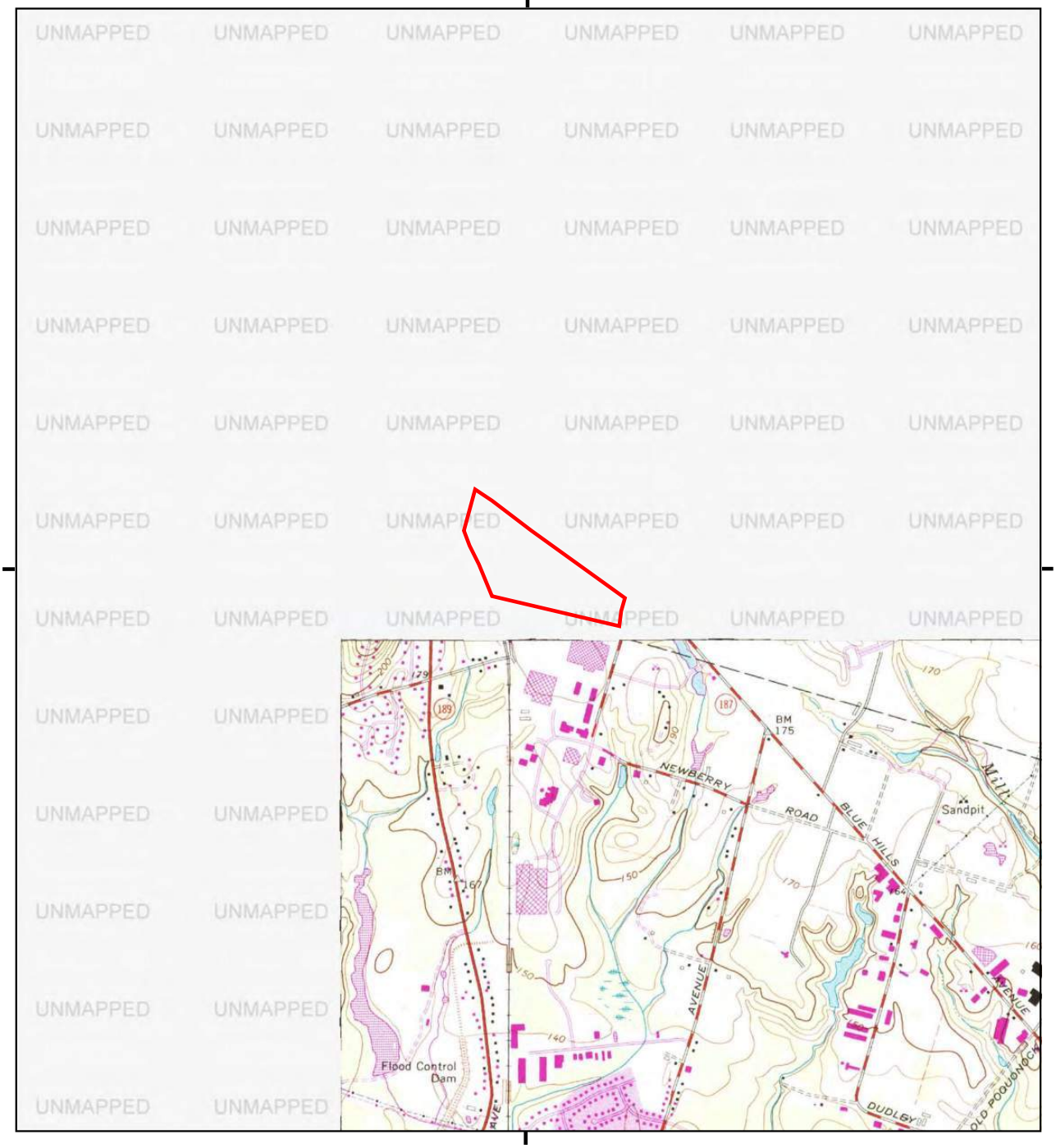
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1994



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

SE, Hartford North, 1994, 7.5-minute

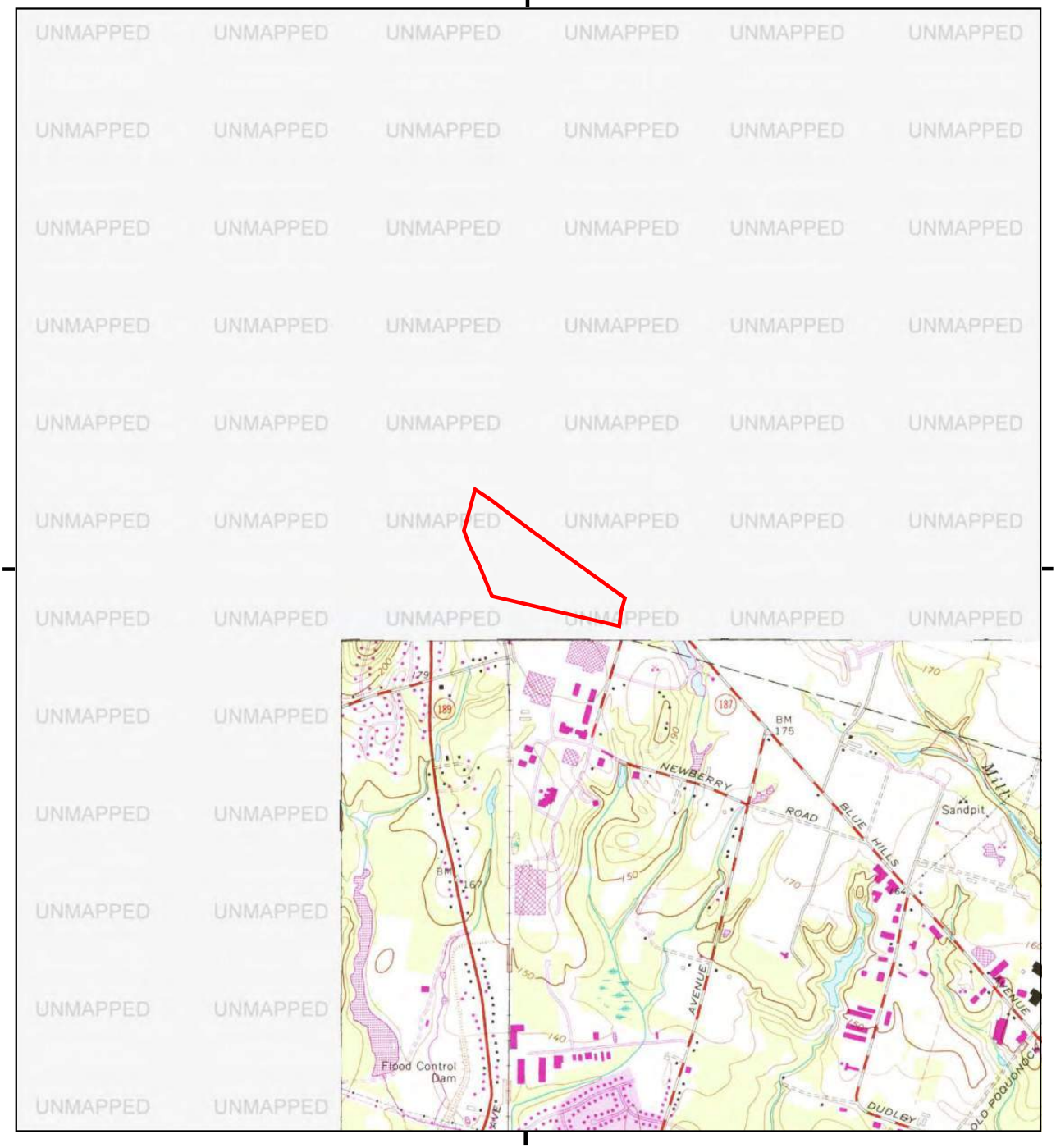
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1992



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

SE, Hartford North, 1992, 7.5-minute

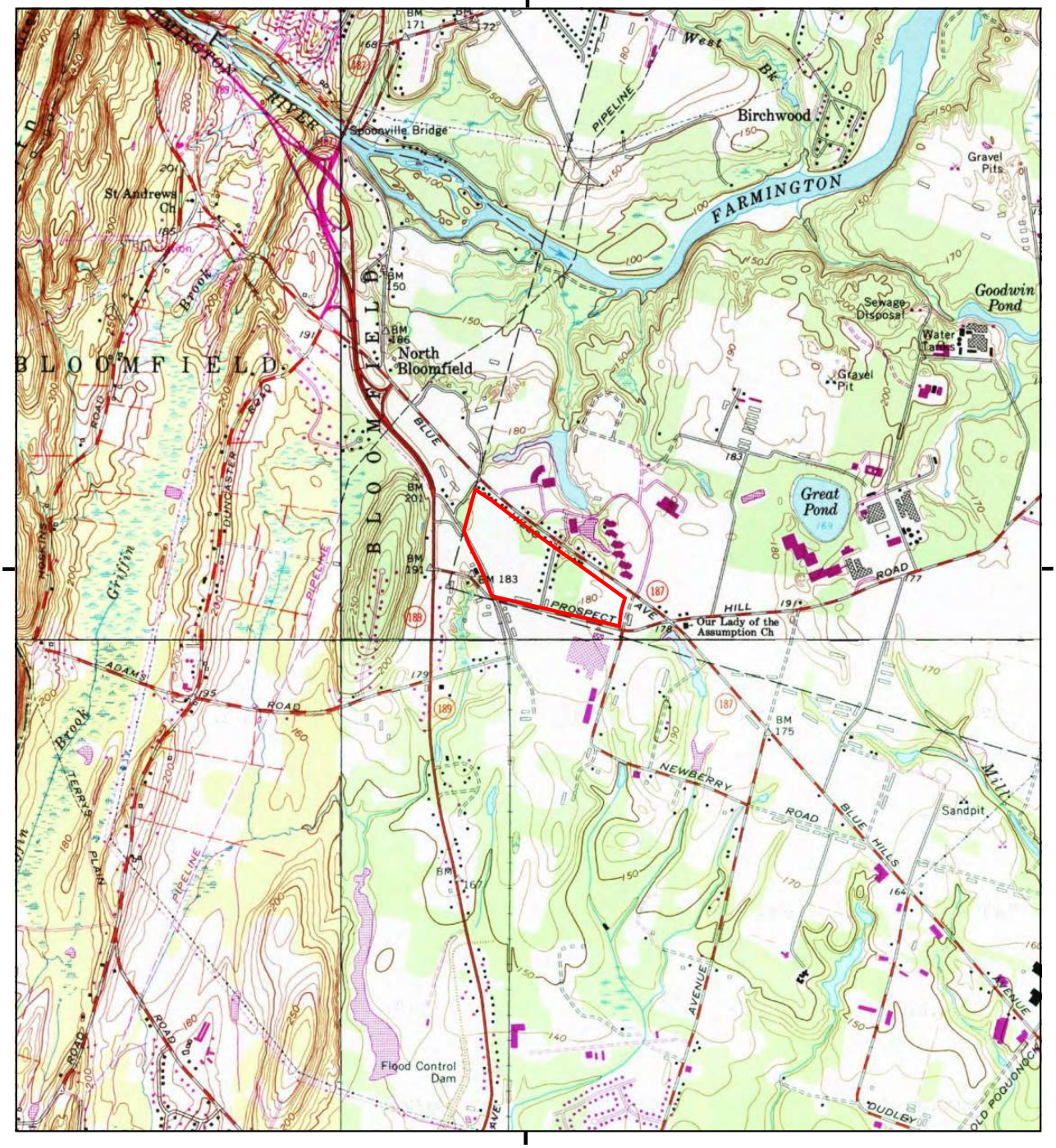
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1984



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Windsor Locks, 1984, 7.5-minute
SE, Hartford North, 1984, 7.5-minute
SW, Avon, 1984, 7.5-minute
NW, Tariffville, 1984, 7.5-minute

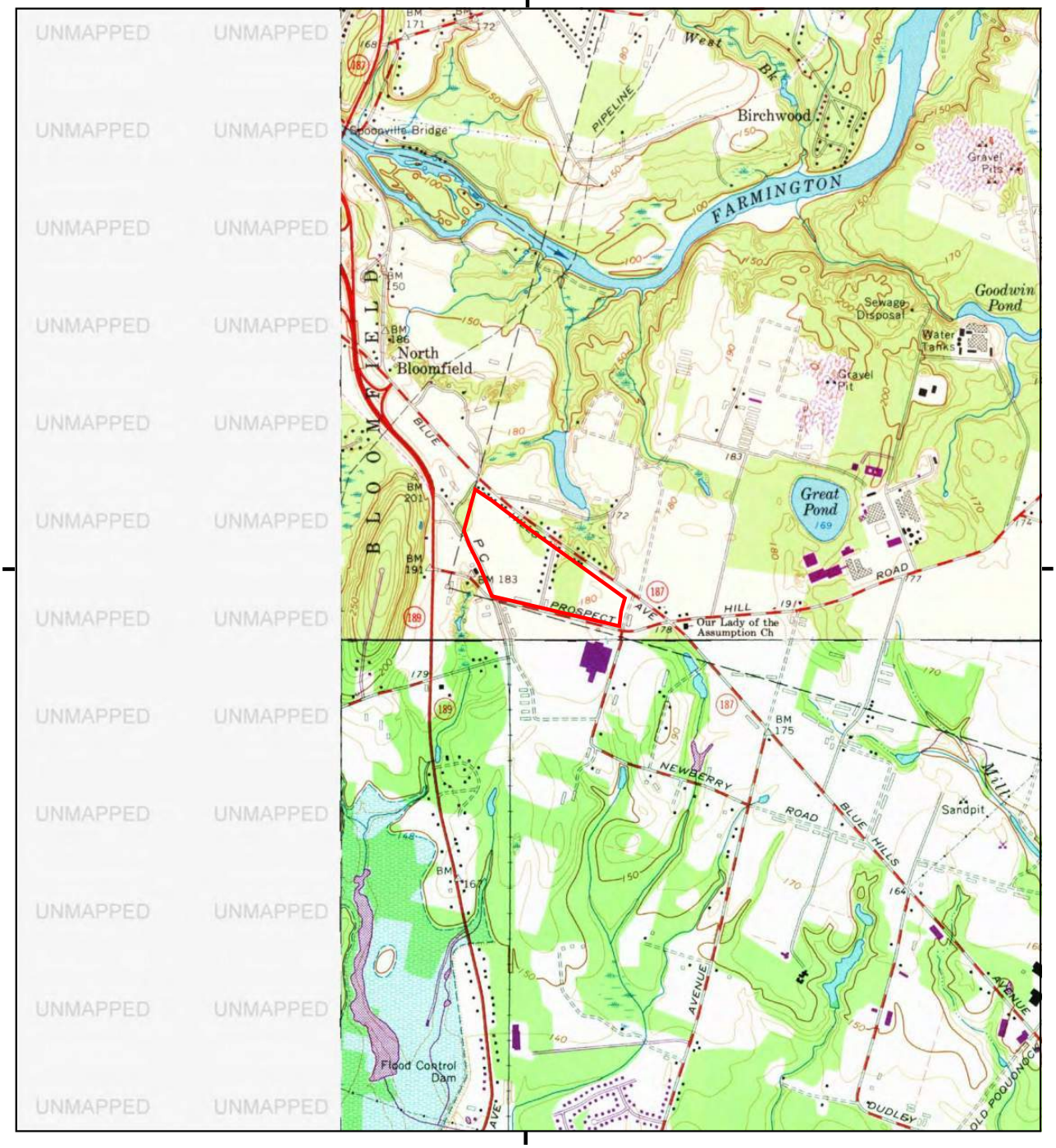
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1972



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Windsor Locks, 1972, 7.5-minute
SE, Hartford North, 1972, 7.5-minute

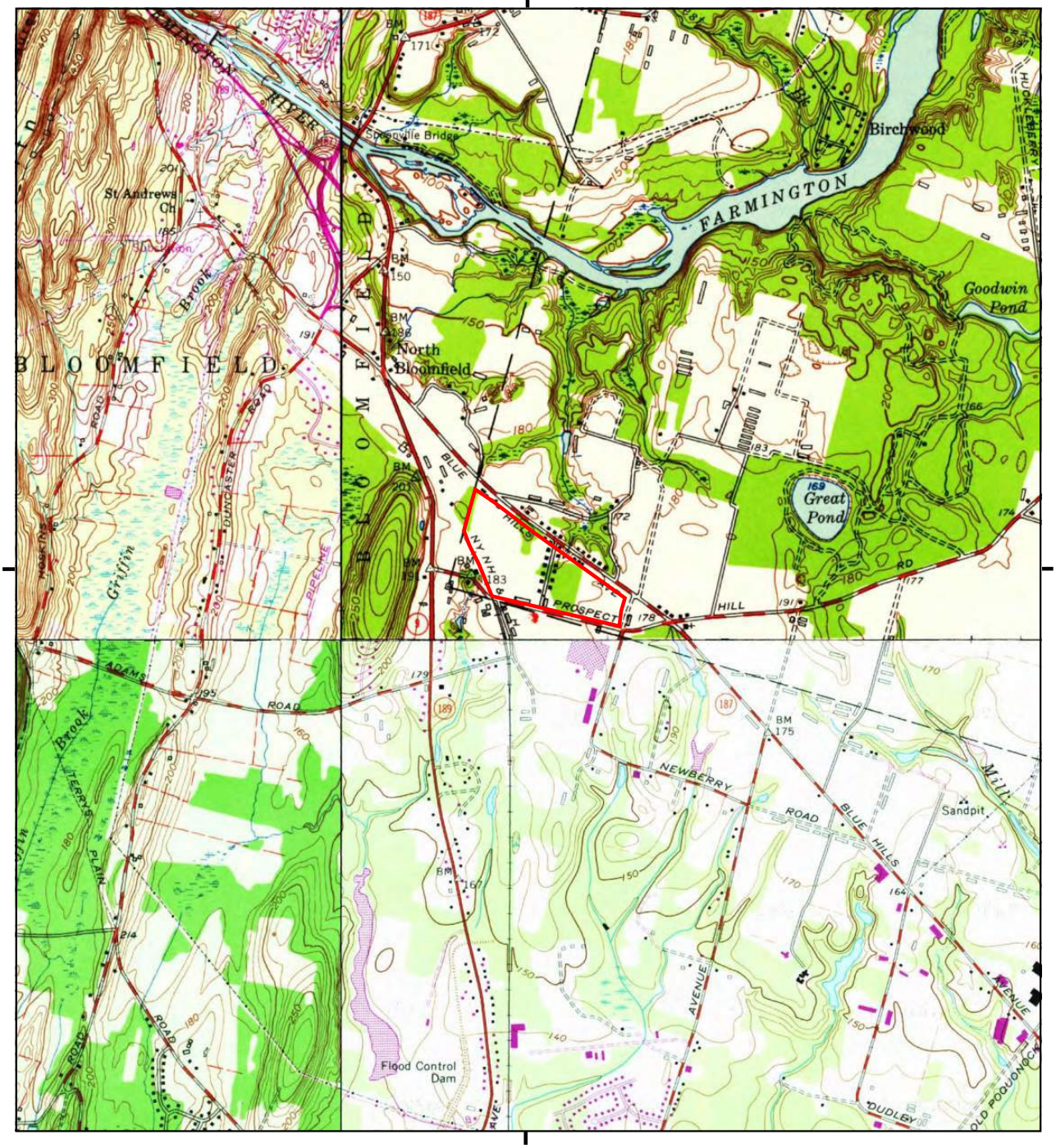
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1970



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

NW, Tariffville, 1970, 7.5-minute

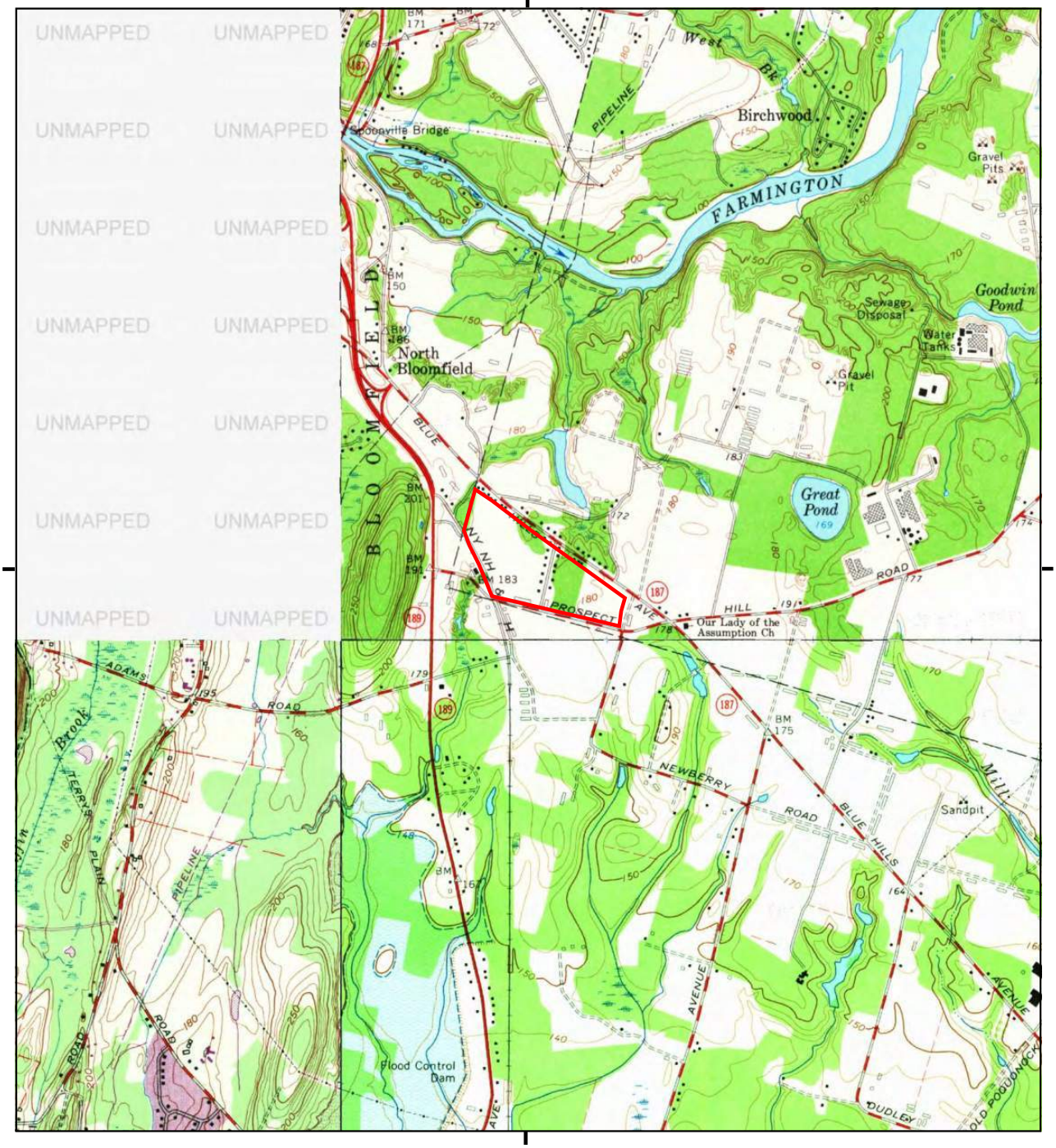
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1964, 1968



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Windsor Locks, 1964, 7.5-minute
SE, Hartford North, 1964, 7.5-minute
SW, Avon, 1968, 7.5-minute

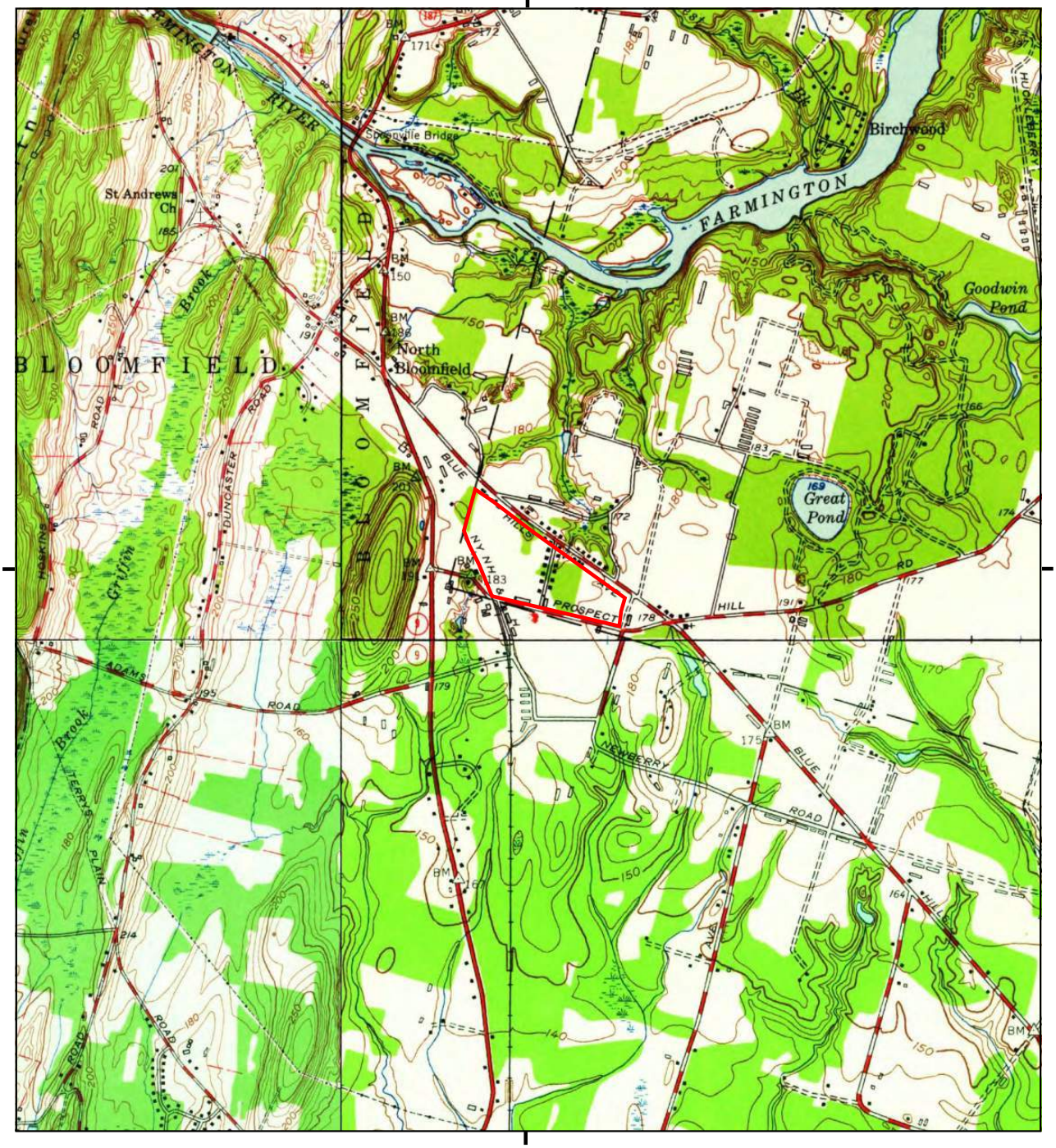
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1952, 1953, 1956, 1957



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Windsor Locks, 1953, 7.5-minute
SE, Hartford North, 1952, 7.5-minute
SW, Avon, 1957, 7.5-minute
NW, Tariffville, 1956, 7.5-minute

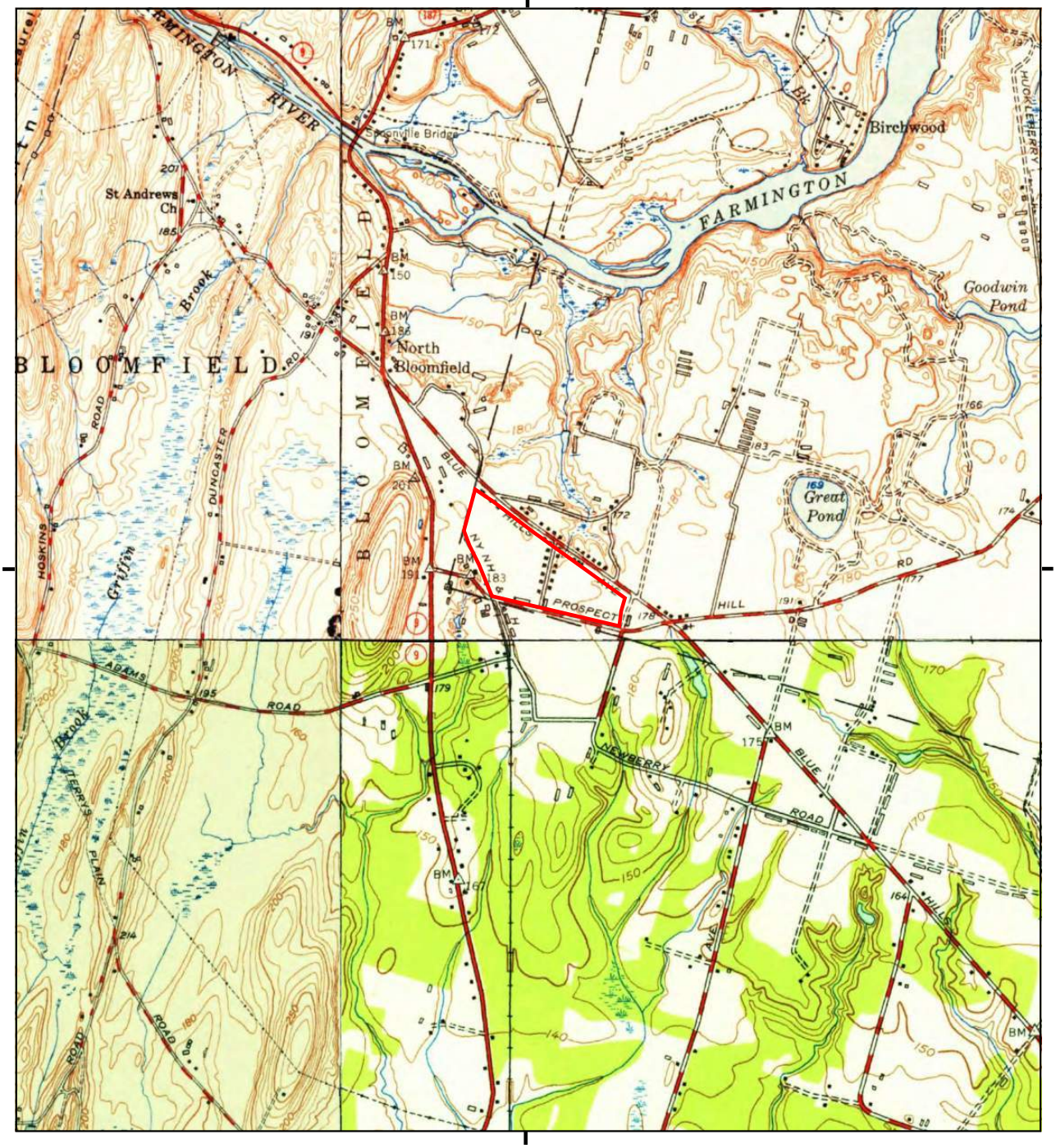
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1951, 1952, 1953



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Windsor Locks, 1953, 7.5-minute
SE, Hartford North, 1952, 7.5-minute
SW, Avon, 1951, 7.5-minute
NW, Tariffville, 1951, 7.5-minute

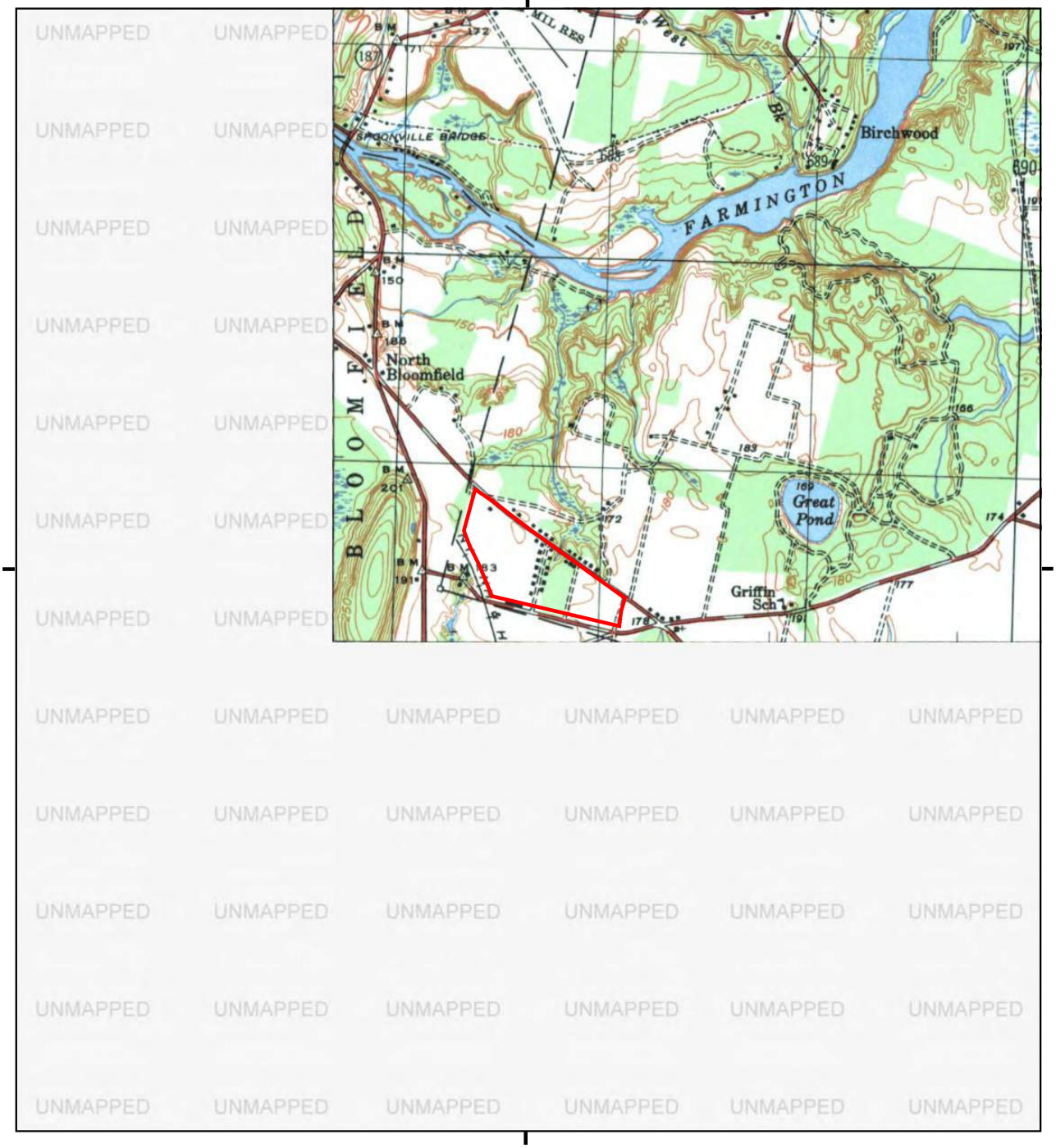
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

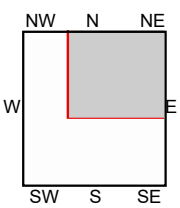
Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



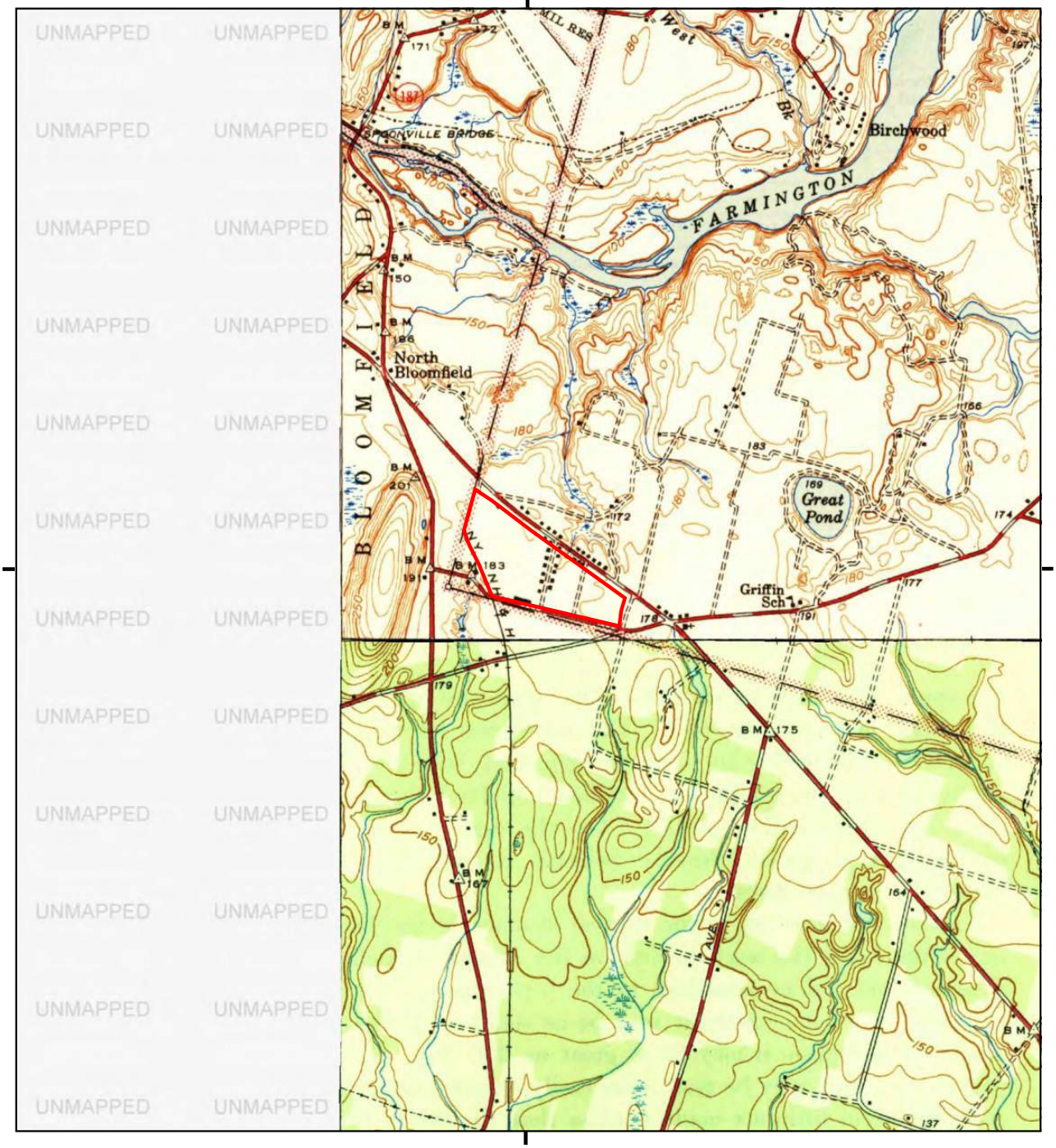
TP, WINDSOR LOCKS, 1947, 7.5-minute

SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

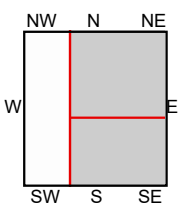
Historical Topo Map

1945, 1946



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Windsor Locks, 1946, 7.5-minute
SE, Hartford North, 1945, 7.5-minute

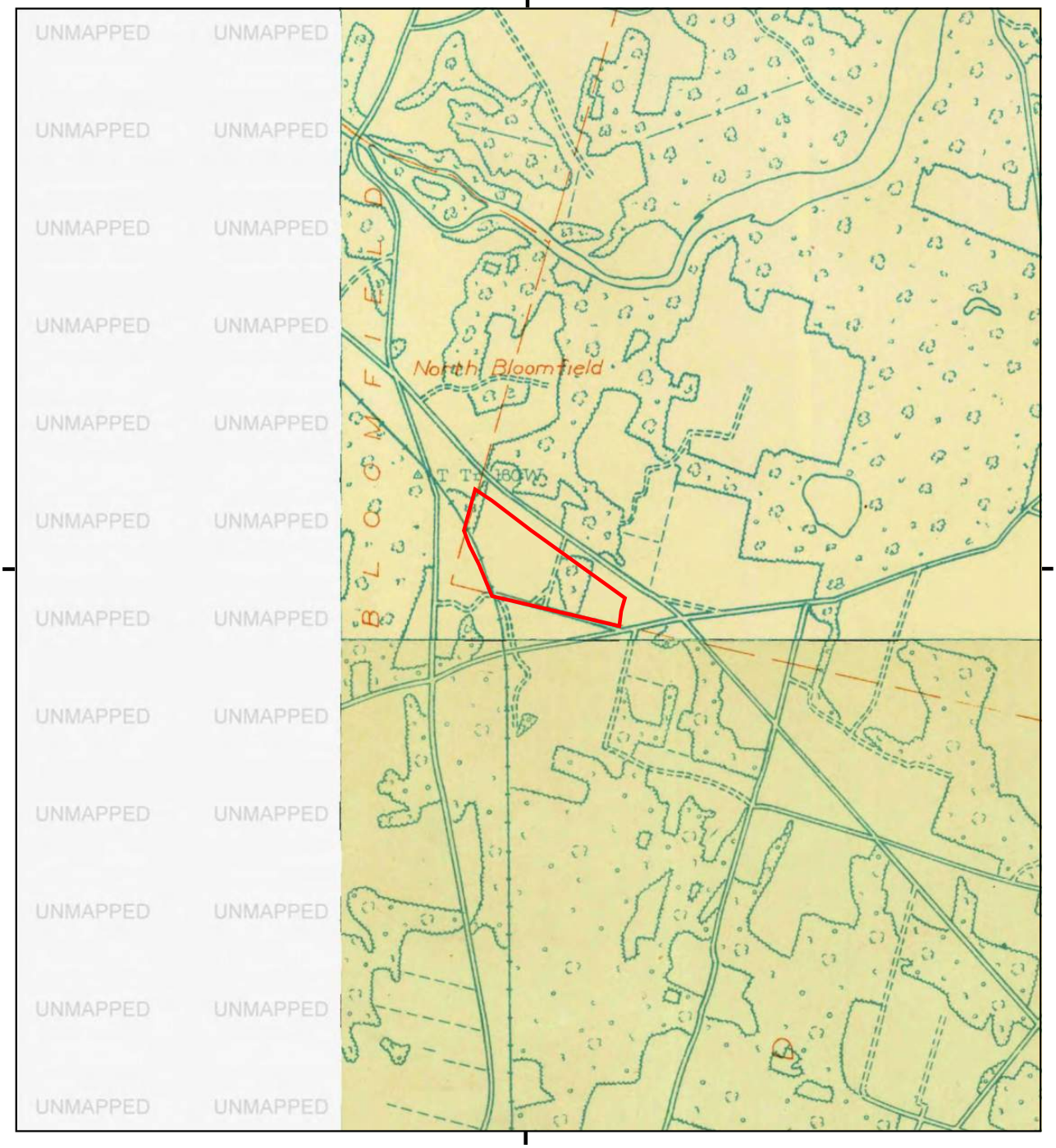
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

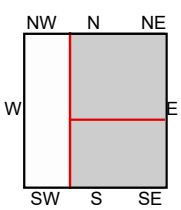
Historical Topo Map

1928



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Windsor Locks, 1928, 7.5-minute
SE, Windsor, 1928, 7.5-minute

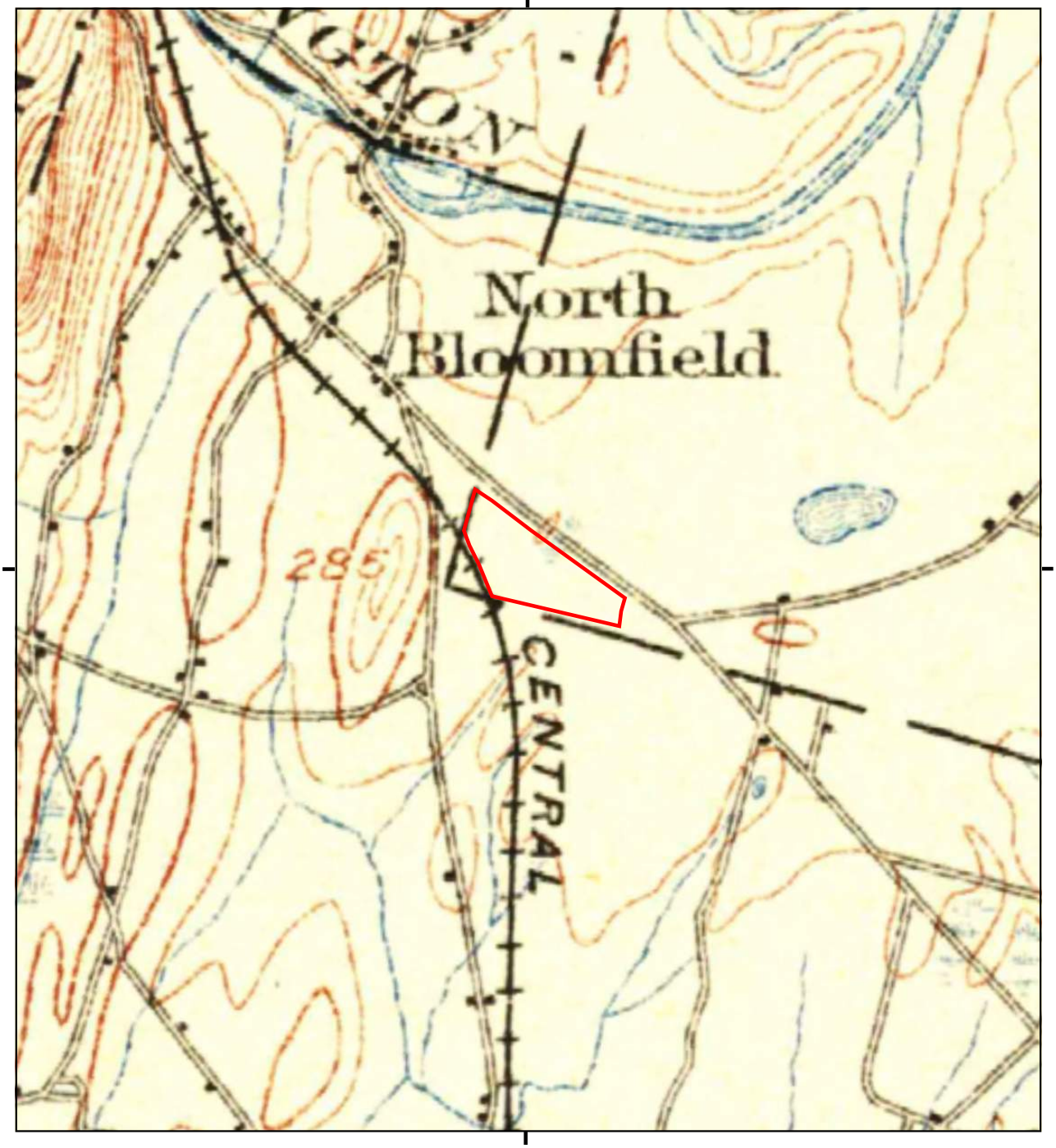
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

Historical Topo Map

1906



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Farmington, 1906, 30-minute

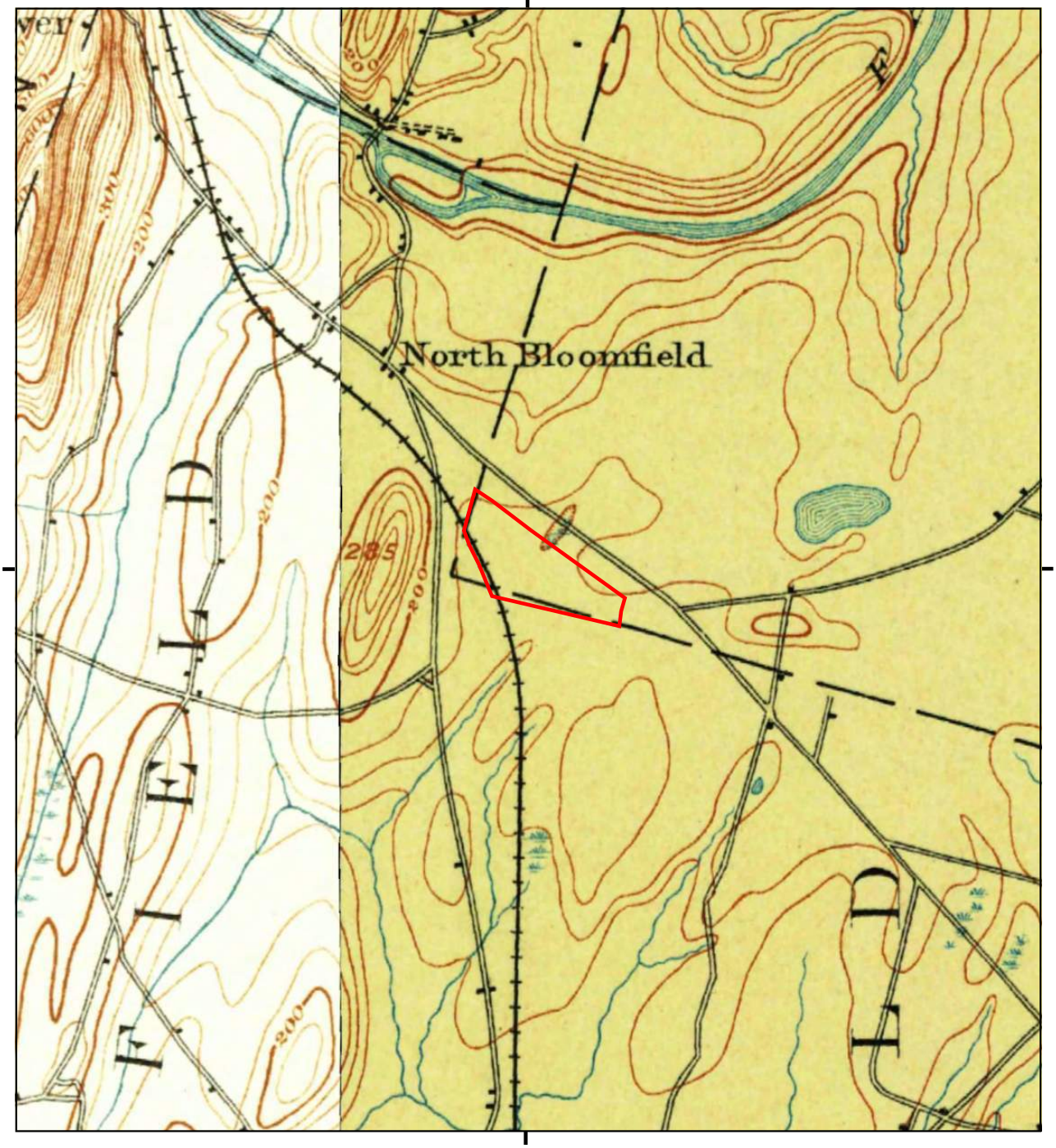
SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

EDR

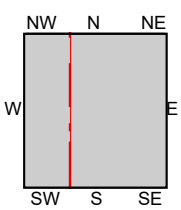
Historical Topo Map

1892



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



TP, Hartford, 1892, 15-minute
W, Granby, 1892, 15-minute

SITE NAME: 1985,1975, &1995 Blue Hills Avenue Exte
ADDRESS: 1985,1975, &1995 Blue Hills Avenue Exte
Windsor, CT 06002
CLIENT: Northeast Utilities Service

N

1985,1975, &1995 Blue Hills Avenue Extension
1985,1975, &1995 Blue Hills Avenue Extension
Windsor, CT 06002

Inquiry Number: 6452608.5
April 16, 2021

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2005	Cole Criss-Cross Directory	-	-	-	-
2000	Cole Criss-Cross Directory	-	-	-	-
1992	Cole Criss-Cross Directory	-	-	-	-
1977	Price & Lee's City Directory	-	X	X	-
1965	Price & Lee's City Directory	X	X	X	-
1960	Price & Lee's City Directory	X	X	X	-
1951	Price & Lee's City Directory	-	-	-	-
1946	Price & Lee's City Directory	-	-	-	-
1941	Price & Lee's City Directory	-	-	-	-
1936	Price & Lee's City Directory	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1985,1975, &1995 Blue Hills Avenue Extension
Windsor, CT 06002

FINDINGS DETAIL

Target Property research detail.

Blue Hills Avenue Extension

1985 Blue Hills Avenue Extension

Year	*Uses*	*Source*
1965	Residential	Price & Lee's City Directory
1960	Residential	Price & Lee's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Blue Hills Avenue Extension

1960 Blue Hills Avenue Extension

Year	Uses	Source
1965	Hook's Market	Price & Lee's City Directory
1960	Hook's Market	Price & Lee's City Directory

1968 Blue Hills Avenue Extension

Year	Uses	Source
1977	Ampro Pane	Price & Lee's City Directory
1965	Vacant	Price & Lee's City Directory
1960	Residential	Price & Lee's City Directory

1975 Blue Hills Avenue Extension

Year	Uses	Source
1965	Residential	Price & Lee's City Directory

1997 Blue Hills Avenue Extension

Year	Uses	Source
1977	Residential	Price & Lee's City Directory
1965	Residential	Price & Lee's City Directory
1960	Residential	Price & Lee's City Directory

2003 Blue Hills Avenue Extension

Year	Uses	Source
1977	Residential	Price & Lee's City Directory
1965	Residential	Price & Lee's City Directory
1960	Residential	Price & Lee's City Directory

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1960 Blue Hills Avenue Extension	2005, 2000, 1992, 1977, 1951, 1946, 1941, 1936
1968 Blue Hills Avenue Extension	2005, 2000, 1992, 1951, 1946, 1941, 1936
1975 Blue Hills Avenue Extension	2005, 2000, 1992, 1977, 1960, 1951, 1946, 1941, 1936
1995 Blue Hills Avenue Extension	2005, 2000, 1992, 1977, 1965, 1960, 1951, 1946, 1941, 1936
1997 Blue Hills Avenue Extension	2005, 2000, 1992, 1951, 1946, 1941, 1936
2003 Blue Hills Avenue Extension	2005, 2000, 1992, 1951, 1946, 1941, 1936

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1985,1975, &1995 Blue Hills Avenue Extension	2005, 2000, 1992, 1977, 1951, 1946, 1941, 1936

1985,1975, &1995 Blue Hills Avenue Extension

1985,1975, &1995 Blue Hills Avenue Extension

Windsor, CT 06002

Inquiry Number: 6452608.3

April 15, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/15/21

Site Name:

1985,1975, &1995 Blue Hills A
1985,1975, &1995 Blue Hills A
Windsor, CT 06002
EDR Inquiry # 6452608.3

Client Name:

Northeast Utilities Service
107 Selden Street (BMH2)
Berlin, CT 06037
Contact: Kaitlyn Weider

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Northeast Utilities Service were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # A180-4570-8458

PO # 10884747

Project NA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: A180-4570-8458

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX F - AGENCY RECORDS

Property Location 1985 BLUE HILLS AVE EXT Map ID 6/ 145/ 5/ / Bldg Name State Use 3400
Vision ID 146 Account # 08005.00 Bldg # 1 Sec # 1 of 1 Card # 1 of 1 Print Date 2/4/2021 10:21:31 PM

CURRENT OWNER

INDUS DEVELOPMENT I LLC

204 WEST NEWBERRY RD

BLOOMFIELD CT 06002

TOPO	UTILITIES	STRT / ROAD	LOCATION
1 Level		1 Paved	

SUPPLEMENTAL DATA

Alt Prcl ID	8005	CTRACT	4735.01
INC:	RETURNED	CBLOCK	130B
GH		DIST	
		HEART	
2007	6240570	GL YEAR	
GIS ID	8005	Assoc Pid#	

CURRENT ASSESSMENT

Description	Code	Appraised	Assessed
COM LAND	2-1	1,564,100	1,094,870
COM BLDG	2-2	10,678,800	7,475,160
COM OUTBL	2-5	581,000	406,700
	Total	12,823,900	8,976,730

6164

WINDSOR, CT

VISION

RECORD OF OWNERSHIP

	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
INDUS DEVELOPMENT I LLC	1904	1145	02-04-2021	U	I	0	4
GRIFFIN CENTER DEVELOPMENT I LLC	1236	0219	07-24-2000	U	V	0	2
GRIFFIN CENTER DEVELOPMENT I LLC	1235	0190	07-11-2000	U	V	0	2
RIVER BEND ASSOCIATES INC	1234	0052	06-28-2000	U	V	0	2
GRIFFIN LAND & NURSERIES INC	1121	0328	06-27-1997	U	V	0	4

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
2020	2-1	1,094,870	2019	2-1	1,094,870	2018	2-1	1,094,870
	2-2	7,475,160		2-2	7,475,160		2-2	7,475,160
	2-5	406,700		2-5	406,700		2-5	406,700
	Total	8976730		Total	8976730		Total	8976730

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Sub	Nbhd Name	B	Tracing	Batch
200	A				

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	9,731,000
Appraised Xf (B) Value (Bldg)	947,800
Appraised Ob (B) Value (Bldg)	581,000
Appraised Land Value (Bldg)	1,564,100
Special Land Value	0
Total Appraised Parcel Value	12,823,900
Valuation Method	I
Total Appraised Parcel Value	12,823,900

NOTES

08005.00 6-145-5 BLDG C/O'D 3/1/2001
JDS UNIPHASE
FOUNDATION ONLY 10/2000
REF:V1259 P104+128
REF:V1253 P175
PARCEL SUBDIVIDED 10/2001

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments
E-190388	03-04-2019	EL	Electric	185,000	08-16-2019	100	10-01-2019	INTERIOR LIGHTING CHANG
H-182291	09-10-2018	HA	HVAC	158,300	08-16-2019	100	10-01-2019	NEW GAS FIRED BOILERS
E-170019	01-03-2018	EL	Electric	7,500	10-01-2018	100	10-01-2018	REVOLVING DOOR ELECTRI
B-173019	11-22-2017	RE	Renovation	90,000	10-01-2018	100	10-01-2018	REVOLVING DOOR INSTALL
H-170270	02-06-2017	HA	HVAC	116,789	08-18-2017	100	10-01-2017	REPLACE 3 HUMIDIFIERS
E-161622	07-12-2016	EL	Electric	52,856	08-19-2016	100	10-01-2016	REPLACE 69 LIGHT POLES I
E-153040	12-07-2015	EL	Electric	25,000	08-19-2016	100	10-01-2016	ELECTRICAL INTERIOR WO

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result
12-21-2018	LL			41	Change
06-19-2015	LL			20	Bldg Permit Insp
06-01-2006	SK			60	I&E Returned
05-01-2006	SK			61	1st I&E Sent
07-11-2001	SK			00	Measur+Listed
10-01-2000	SK			00	Measur+Listed
04-19-1988	MT			00	Measur+Listed

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	I. Factor	Site Index	Cond.	Nbhd.	Nhbd Adj	Notes	Location Adjustment		Adj Unit Pric	Land Value
1	3400	Office Bldg	I		11.370	AC	82,000	1.00000	I	1.00	200	1.400			0		1,305,300
1	3400	Office Bldg	I		8.050	AC	82,000	1.40000	0	0.20	200	1.400			0		258,800
				Total Card Land Units	19.420	AC	Parcel Total Land Area:			19.4200						Total Land Value	1,564,100

Property Location 1985 BLUE HILLS AVE EXT Map ID 6/ 145/ 5/ / Bldg Name State Use 3400
Vision ID 146 Account # 08005.00 Bldg # 1 Sec # 1 of 1 Card # 1 of 1 Print Date 2/4/2021 10:21:31 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	18	Office Bldg
Model	94	Comm/Ind
Grade	06	Good
Stories:	1	
Occupancy		
Exterior Wall 1	22	Precast Panel
Exterior Wall 2		
Roof Structure	01	Flat
Roof Cover	01	Metal/Tin
Interior Wall 1	05	Drywall
Interior Wall 2	01	Minim/Masonry
Interior Floor 1	05	Vinyl
Interior Floor 2	14	Carpet
Heating Fuel	03	Gas
Heating Type	04	Forced Air
AC Type	03	Central
Bldg Use	3400	Office Bldg
Total Rooms		
Total Bedrms	00	
Total Baths	0	
Heat/AC	02	Heat/AC Split
Frame Type	05	Steel
Baths/Plumbing	03	Above Average
Ceiling/Wall	05	Sus-Ceil & Wl
Rooms/Prtns	03	Above Average
Wall Height	24.00	
% Comn Wall	0.00	
1st Floor Use:	4400	

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd	Description

MIXED USE

Code	Description	Percentage
3400	Office Bldg	100
		0
		0

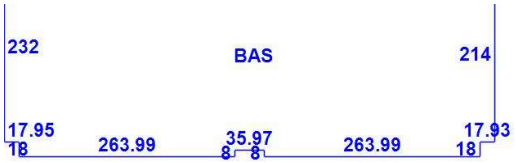
COST / MARKET VALUATION

RCN	16,748,707
Year Built	2001
Effective Year Built	
Depreciation Code	A
Remodel Rating	
Year Remodeled	
Depreciation %	13
Functional Obsol	0
External Obsol	30
Trend Factor	1
Condition	
Condition %	
Percent Good	57
Cns Sect RcnId	9,546,800
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	



OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Code	Descripti	Sub	Sub Ty	L/B	Units	Unit Price	Yr Blt	Cond. Cd	% Gd	Grade	Grade Ad	Appr. V
MEZ3	W/PART			B	18,12	32.00	2005		57		0.00	330,700
ELVP	PASSEN			B	1	68300.00	2005		57		0.00	38,900
PAV1	PAVING-			L	226,8	2.50	2001		90		0.00	510,300
SPR1	SPRINK			B	166,5	2.50	2005		57		0.00	237,300
SPR3	SPRINK			B	166,5	3.50	2005		57		0.00	332,300
LT1	LIGHTS-			L	34	1625.00	2003		75		0.00	41,400
LT2	W/DOU			L	17	2300.00	2003		75		0.00	29,300
LDL1	LOAD L			B	5	3000.00	2005		57		0.00	8,600



BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Floor Area	Eff Area	Unit Cost	Undeprec Value
BAS	First Floor	148,415	148,415		112.85	16,748,707
	Ttl Gross Liv / Lease Area	148,415	148,415			16,748,707

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevation** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevation (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum (NAVD). Users of this FIRM should be aware that coastal flood elevations may also be provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map is Universal Tranverse Mercator (UTM) zone 18. The **horizontal datum** is NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242,** or visit their website at www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by CT DEP.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

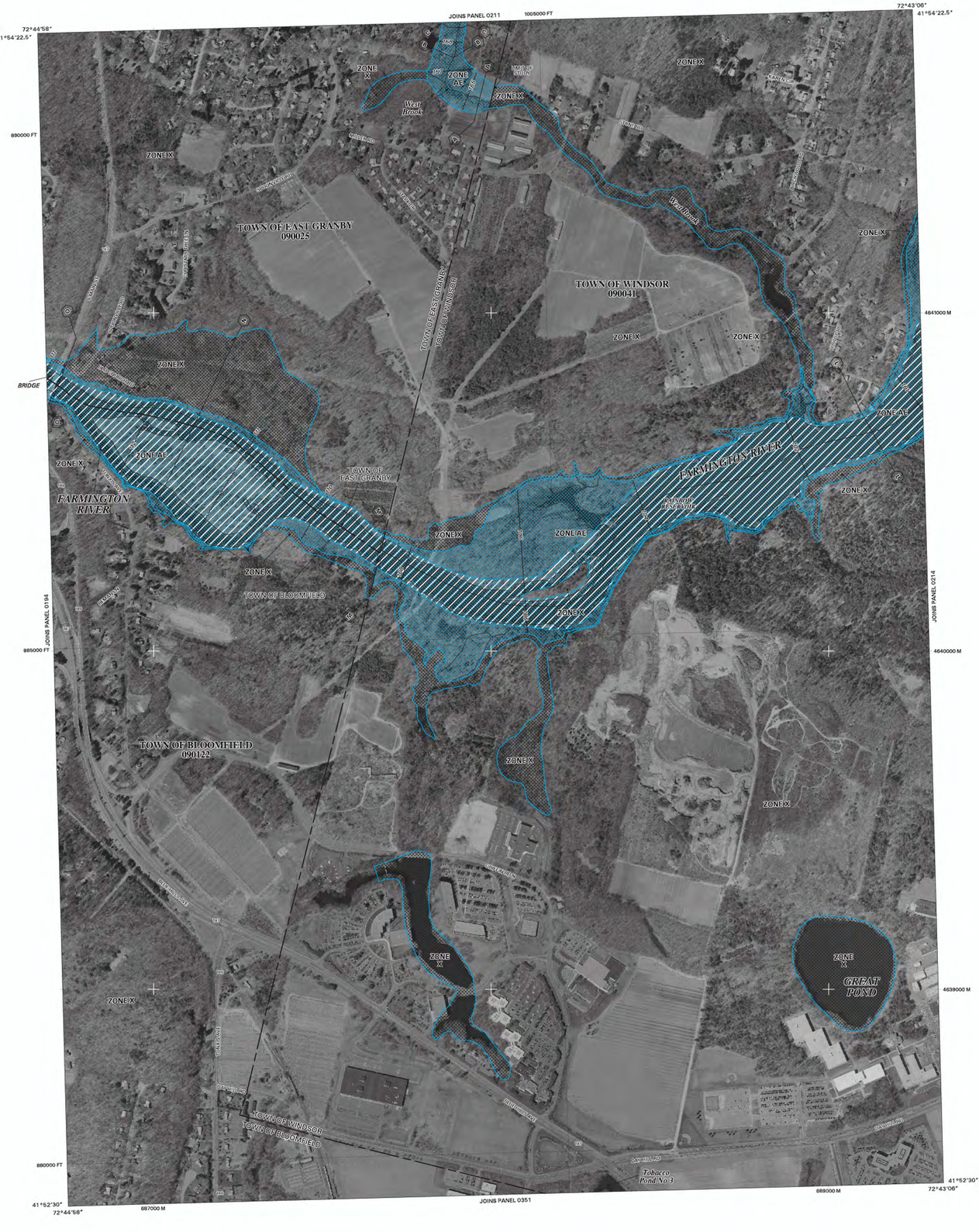
Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

An accompanying Flood Insurance Study report, Letters of Map Revision or Letters of Map Amendment revising portions of this panel, and digital versions of this PANEL may be available. Contact the **FEMA Map Service Center** at the following phone numbers and Internet address for infomation on all related products available from FEMA;

Phone: 800-358-9616
FAX: 800-358-9620
http://msc.fema.gov/

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report may reflect stream channel distances that differ from what is shown on this map.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood event.

ZONE A99 Area to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no base flood elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or velocities.
- 513 — Base Flood Elevation line and value; elevation in 0*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in 0*

*Referenced to the North American Vertical Datum of 1988

- A — A — Cross Section Line
- 23 — 23 — Transect Line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4276000M — 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid ticks
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel).
- M1.5 — River Mile

MAP REPOSITORY
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
SEPTEMBER 26, 2008

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at (800) 638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0213F

FIRM
FLOOD INSURANCE RATE MAP
HARTFORD COUNTY, CONNECTICUT (ALL JURISDICTIONS)

PANEL 213 OF 675
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BLOOMFIELD, TOWN OF	090122	0213	F
EAST GRANBY, TOWN OF	090035	0213	F
WINDSOR, TOWN OF	090041	0213	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
09003C0213F

EFFECTIVE DATE:
SEPTEMBER 26, 2008

Federal Emergency Management Agency

Connecticut Department of Energy & Environmental Protection
Bureau of Central Services
Office of Information Management

File Request Form

Requestor Name: Kaitlyn Weider
Company Name: Eversource Energy
Address: 107 Selden Street Berlin CT
Phone Number: 860-920-2528

Date: 05/27/2021

Facility/Co Name: vacant land-tobacco farmland	■ REM	■ IND	■ P5	■ ORD	■ SW
Address: Current address: 1975 Blue Hills Avenue Extension	■ OCS	■ COR	■ HAZ	■ SOL	■ UST
Town: Windsor CT	☐ PER	☐ PRG	☐ SII	☐ PIQ	■ TCR
Facility/Co Name: vacant land-tobacco farmland	■ REM	■ IND	■ P5	■ ORD	■ SW
Address: Current address: 1995 Blue Hills Avenue Extension	■ OCS	■ COR	■ HAZ	■ SOL	■ UST
Town: Windsor CT	☐ PER	☐ PRG	☐ SII	☐ PIQ	■ TCR
Facility/Co Name: vacant land-tobacco farmland	■ REM	■ IND	■ P5	■ ORD	■ SW
Address: Potential former address of property above: 1600 Prospect Hill Road	■ OCS	■ COR	■ HAZ	■ SOL	■ UST
Town: Windsor CT	☐ PER	☐ PRG	☐ SII	☐ PIQ	■ TCR
Facility/Co Name: vacant land-tobacco farmland	■ REM	■ IND	■ P5	■ ORD	■ SW
Address: Potential former address of property above: 2600 Day Hill Road	■ OCS	■ COR	■ HAZ	■ SOL	■ UST
Town: Windsor CT	☐ PER	☐ PRG	☐ SII	☐ PIQ	■ TCR
Facility/Co Name:	☐ REM	☐ IND	☐ P5	☐ ORD	☐ SW
Address:	☐ OCS	☐ COR	☐ HAZ	☐ SOL	☐ UST
Town:	☐ PER	☐ PRG	☐ SII	☐ PIQ	☐ TCR
Facility/Co Name:	☐ REM	☐ IND	☐ P5	☐ ORD	☐ SW
Address:	☐ OCS	☐ COR	☐ HAZ	☐ SOL	☐ UST
Town:	☐ PER	☐ PRG	☐ SII	☐ PIQ	☐ TCR
Facility/Co Name:	☐ REM	☐ IND	☐ P5	☐ ORD	☐ SW
Address:	☐ OCS	☐ COR	☐ HAZ	☐ SOL	☐ UST
Town:	☐ PER	☐ PRG	☐ SII	☐ PIQ	☐ TCR

Comments:

REM - Remediation
ORD – Water Orders
OCS – Oil & Chemical Spills Reports
COR - Oil & Chemical Spills Correspondence
PER – Air Permits
PRG – Air Enforcement
STK – Air Stack Tests
IND – Industrial Water Corr'dence Files
SW – Stormwater Correspondence Files
SOL – Solid Waste
PIQ – Air Pre-Inspection Questionnaire
OB – Air Open Burning
CRA – CT Resource Recovery Authority
SII – Gas Station Vapor Recovery
P5 – Water Industrial Survey
HAZ – Hazardous Waste
UST – Underground Storage Tanks
TCR – Tank Closure Report
SS – Sub-Surface
WPA –Water Perm Application
DMR – Discharge Monitoring Reports

Fuss & O'Neill Inc. *Consulting Engineers*

146 Hartford Road, Manchester, CT 06040-5921
TEL 203 646-2469 FAX 203 643-6313

1200 Converse Street, Longmeadow, MA 01106-1721
TEL 413 567-9886 FAX 413 567-8936

Solid Waste Management
Industrial/Hazardous Waste Management
Stream Impact Analysis
Water Resources Engineering
Transportation Engineering
Environmental Field Services

Environmental Engineering
Wastewater Management
Site Planning/Engineering
Hydrogeology
Park Design
Surveying

FAX TRANSMITTAL MEMO

To: Rich Ciasullo	Date: 5-25-95 (2:15 pm)
Company: DEP Oil & Chemical Spills	From: Heidi Waite
Fax #: 566-8682	Job No.
Telephone #: 566-4633	Subject: Calibro Results
No. of Pages: 5	

Comments:

Here are the lab results. I have also included a table which indicates what samples are associated with which buildings.

Heidi

NOTE: This facsimile and the information it contains is intended to be a confidential communication only to the person or entity to whom it is addressed. If you have received this facsimile in error, please notify us by telephone and return the original fax to this office by mail.

BARON CONSULTING CO.

HARRY AGANIGIAN, Ph.D., DIRECTOR

analytical services

P.O. BOX 882, ORANGE CT. 06477

May 25, 1994

Mr. Herb Woike
Fuss & O'Neill Inc.
146 Hartford Road
Manchester, CT 06040

RE: Analysis of 7 samples: 6 wipes & 1 air filter
Taken and received 5/24/94
Project: Culbro Fire
BC# 101791

Sample#	Orthene	Oxamyl	Oxamyl (531.1)
0524-01 (wipe)	ND<20	<20	ND<20
0524-02 (wipe)	ND<20	ND<20	ND<20
0524-03 (wipe)	ND<20	ND<20	ND<20
0524-08 (air filter)	ND<1 mg/kg	ND<1 mg/kg	

Above results are in ug/100 cm^2, unless otherwise stated. The above results were analyzed on 5/24/94 as per modified EPA Method 507 (Nitrogen phosphorus detector). Oxamyl was also analyzed on 5/25/94 as per EPA Method 531.1.

Please review the data and contact us if you have any questions or wish more information.

April N. Rose
Chemist

ANR/dc

This report is submitted with the understanding that it is not to be reproduced for advertising or other purposes over our signature without express written permission from us. We do not accept any liability concerning the use of these results.

NOT RESPONSIBLE FOR SAMPLES LEFT OVER 30 DAYS AFTER RECEIPT OF REPORT.

Connecticut Public Health Laboratory No. 0440 EPA Number CT015
American Industrial Hygiene Association Laboratory No. 410

LABORATORY LOCATED AT 273 PEPE'S FARM ROAD, MILFORD, CT 06460 (203) 874-8878 FAX: (203) 874-7853

BARON CONSULTING CO.

HARRY AGAHIGIAN, Ph.D., DIRECTOR

analytical services

P.O. BOX 663, ORANGE CT. 06477

May 25, 1994

Mr. Herb Woike
Fuss & O'Neil Inc.
146 Hartford Road
Manchester, CT 06040

RE: Analysis of 8 wipes taken and received 5/24/94
Project: Culbro Fire
BC# 101792

Sample	Orthene	Oxamyl	Oxamyl (531.1)
0524-04 (wipe)	ND<20	ND<20	ND<20
0524-05 (wipe)	ND<20	ND<20	ND<20
0524-06 (wipe)	ND<20	ND<20	ND<20
0524-07 (wipe)	ND<20	<20	ND<20

Above results are in ug/100 cm^2. The above results were analyzed on 5/24/94 as per modified EPA Method 507 (Nitrogen Phosphorus detector). Oxamyl was also analyzed on 5/25/94 as per EPA Method 531.1

Please review the data and contact us if you have any questions or wish more information.

April N. Rose
Chemist

ANR/dc

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NOT RESPONSIBLE FOR SAMPLES LEFT OVER 30 DAYS AFTER RECEIPT OF REPORT.

Connecticut Public Health Laboratory No. 0440 EPA Number CT015
American Industrial Hygiene Association Laboratory No. 410
LABORATORY LOCATED AT 873 PEPE'S FARM ROAD, MILFORD, CT 06460 (203) 874-5678 FAX: (203) 874-7863

BARON CONSULTING CO.

HARRY AGANIGIAN, Ph.D., DIRECTOR

analytical services

P.O. BOX 903, ORANGE CT. 06477

May 25, 1994

Mr. Herb Woike
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

RE: Analysis of 3 waters and 1 soil taken and received 5/24/94
Project: Culbro Fire
BC# 101793

Sample#	Orthene	Oxamyl
0524-09 (water)	ND<1	ND<1
0524-10 (water)	ND<1	ND<1
0524-11 (soil)	ND<1 mg/kg	ND<1 mg/kg
0524-12 (water)	ND<1	ND<1

Above results are in ug/l, unless stated otherwise. The above results were analyzed on 5/24/94 as per modified EPA Method 507 (Nitrogen Phosphorus Detector).

Please review the data and contact us if you have any questions or wish more information.

April N. Rose
April N. Rose
Chemist

ANR/dc

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NOT RESPONSIBLE FOR SAMPLES LEFT OVER 30 DAYS AFTER RECEIPT OF REPORT.

Connecticut Public Health Laboratory No. 0440 EPA Number CT015
American Industrial Hygiene Association Laboratory No. 410

LABORATORY LOCATED AT 273 PEPE'S FARM ROAD, MILFORD, CT 06460 (203) 874-5670 FAX: (203) 874-7863

BARON

BARON CONSULTING CO.

HARRY AGAHIGIAN, Ph.D., DIRECTOR

analytical services

P.O. BOX 553, ORANGE CT. 06477

May 25, 1994

Mr. Herb Woike
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

RE: Analysis of 4 air cassettes taken and received 5/24/94
Project: Culbro Fire
BC# 101794

Sample#	Orthene	Oxamyl
0524-14	ND<1	ND<1
0524-15	ND<1	ND<1
0524-16	ND<1	ND<1
0524-17	ND<1 ug	ND<1 ug

Above results are in ug/m^3, unless stated otherwise. The above results were analyzed on 5/24/94 as per modified EPA Method 507 (Nitrogen Phosphorus Detector).

Please review the data and contact us if you have any questions or wish more information.

April N Rose
April N. Rose
Chemist

ANR/dc

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NOT RESPONSIBLE FOR SAMPLES LEFT OVER 30 DAYS AFTER RECEIPT OF REPORT.

Connecticut Public Health Laboratory No. 0440 EPA Number CT015
American Industrial Hygiene Association Laboratory No. 410

LABORATORY LOCATED AT 273 PEPE'S FARM ROAD, MILFORD, CT 06460 (203) 874-5875 FAX: (203) 874-7863

FUSS&O'NEILL
consulting engineers

PREPARED BY	DATE	CHECKED BY	DATE	PROJECT NO.
H. Weike	5/29			

Culbro Fire

SHEET NO. of

Sample ID	Sample Location	Sample Type	Results Hexane 5031	Results Methanol 5021	Detection Limit	Action Level
Culbro/052924-01	Hartford Inn	Wipe /1615	Trace		20ug/100cm²	20 ug/100cm²
Culbro/052924-02	Culbro Tool (22)	Wipe /1700	ND		"	"
" -03	Otis Elevator	Wipe /1715	ND		"	"
" -04	Farm 28 office	Wipe /1715	ND	ND	"	"
" -05	342 Tunnel	Wipe /1725	ND	ND	"	"
" -06	342 Tunnel	Wipe /1735	ND		"	"
" -07	374 Tunnel	Wipe /1830	Trace		"	"
" -08	Hartford Inn	Air Filter/case	ND		1ug/kg	
" -09	Culbro Building (Exh)	Water /1800	ND		1ug/l	Cu = 910.0 Galv = 117
" -17	Blank	Air 2200	ND		1ug/l	"
" -10	Culbro Building (Wash)	Water /2000	ND		1ug/l	Cu = 910.0 Galv = 117
" -16	1000's Dumped	Air 2210	ND			
" -11	Culbro 3rd Floor (Wash)	Soil /1945	ND			
" -15	Vacuum	Air 2200	ND			
" -12	Culbro Basement (Wash)	Water /1915	ND		1ug/l	Cu = 910.0 Galv = 117
" -14	Inside Duct Vacuum	Air 2100	ND			
" -	Culbro Roof (Dust)	Wipe			(Chlorinated Furan)	
" -01D	Hartford Inn.	Wipe /1635				
" -02D	Otis Elevator	Wipe /1735	ND			

Carbamate = Oxamyl
Organophosphate = Orthene (Acephate)

To: Susan Zampaglione, Senior Engineer
From: David Stokes, Field Inspector
Subj: Complaint 1944; Culbro Tobacco Property, Windsor
Date: 18 May 1990

On 3 May 1990 I investigated complaint 1944 which stated a 55 gal drum was found on a dirt road in the Culbro Tobacco Properties off Stone/Miller Rd, Windsor.

A 55 gal drum of what appears to be oil was found on Culbro Properties. The location is about 1/2 mile from Brierwood St. heading west on Stone St. The entrance to the property is a dirt road on the right near two drying barns, (# 170 and 171) Take first right upon entering property, head west for 2/10 mile, road splits, bear right and a black 55 gal drum is located on the right side. The drum had no markings except a "number 7" sticker on the side. The bung was loose and leaking. I tightened the bung and tryed to upright the drum, but it was too heavy.

There was no contacts on site, but I did observe several trucks driving around the fields. The trucks had Imperial Nursers stenciled on the doors.

I contacted Mr. Chagnon of Imperial Nurseries (653-4541) he informed me that the drum had been picked up on Friday and is presently stored at the nurseries garage. Abblys Waste Oil company is contracted to pickup thier waste oil and this drum will be included in the next pickup.

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

HAZARDOUS WASTE MANAGEMENT SECTION
MANIFEST PROGRAM
WARNING LETTER
DATE: JAN 12 1990

Culbro Corp
1600 Prospect Hill Rd.
Windsor, Ct. 06095

RE: Defective Hazardous Waste Manifest

Dear Sir/Madam:

The attached copy of the manifest(s) are being returned to you because they have not been properly completed. Please fill in ALL the requested information on the attached manifest, and return the copy within 15 days of receipt of this notice to the following address:

State of Connecticut DEP
HAZARDOUS WASTE MANAGEMENT SECTION
MANIFEST PROGRAM
165 Capitol Avenue, Hartford, CT 06106

State Manifest Document Numbers:
AR 168175, INA 0326375
Problem items:

___ Item 1: Generator's US EPA ID No.	___ Item 6:Transporter #1 ID
___ Item 1a.: Manifest Document No.	___ Item 7: Transporter #2 Na
___ Item B: State Generator ID.	___ Item 8: Transporter #2 EPA No.
___ Item C: State Transporter ID	___ Item 10: Desig. Facil. ID No.
___ Item D: Transporter #1 Phone No.	___ Item 11: US DOT Description
___ Item E: State Transporter ID	_x_ Item 12: Container No./Type
___ Item F: Transporter #2 Phone No.	_x_ Item 13: Total Quantity
____Item I: Waste No.	___ Item 14: Unit Weight/Volume
___ Item 5: Transporter #1 Name	___ Item Other (specify):
___ Item K: Handling Codes for Wastes	

Please **READ THE INSTRUCTIONS** on the back of the form for what information is required for these items. Be sure to fill in these areas completely and accurately on all future manifests. Constant submittal of defective manifests may subject you to enforcement action. If you have any questions regarding this matter, please contact Jeanne Brennan at (203) 566-1829.

Sincerely yours,

Richard J. Barlow

Richard J. Barlow
Chief
Waste Management Bureau
Phone:

EF:MB:mb6/86

1

STATE OF ARKANSAS
Department of Pollution Control and Ecology
P. O. Box 9583 Little Rock, Arkansas 72219
Telephone 501-562-7444

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)* JAN 12 1990 *Form Approved. OMB No. 2050-0039. Expires 9-30-88*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C T P 0 0 0 0 0 5 1 8 1 1 — Manifest Document No.:
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Culbro Corp.
1600 Prospect Hill Rd., Windsor, CT 06095
4. Generator's Phone (203 243-2561

A. State Manifest Document Number: AR-168175
B. State Generator's ID: Rt 187 East Granby, CT

5. Transporter 1 Company Name: Tri-S, Incorporated
6. US EPA ID Number: C T D 0 1 6 4 2 4 2 1 0
C. State Transporter's ID:
D. Transporter's Phone: 203-875-2110

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Ensco, Inc.
American Oil Road
El Dorado, AR 71730
10. US EPA ID Number: A R D 0 6 9 7 4 8 1 9 1 2
G. State Facility's ID: same
H. Facility's Phone: (501) 863-7173

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ) Waste Arsenical Pesticide Solid Poison B UN2759		DM		P	D004 U061 P123 U233 U036
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

if no alternate TSDF, return to generator

15. Special Handling Instructions and Additional Information
a. 368-A/WMDS 59672

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and Arkansas state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Stephen E Tingley
Signature: Stephen E Tingley
Month Day Year: 10 14 1 21 8 8 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 9-86) Previous edition is obsolete.

AND NOT LESS [illegible] COPIES MUST MOVE WITH THE [illegible]

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT
P.O. Box 7035
Indianapolis, IN 46207-7035

BAT REC

PLEASE PRINT OR TYPE JAN 12 1990 (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C·T·E·0·0·0·0·8·6·5·7 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law, but items D, F, H and I are required by State law.

3. Generator's Name and Mailing Address
Culbro Corp.
1600 Prospect Hill Rd., Windsor, CT 06095

4. Generator's Phone (203) 243-2561

A. State Manifest Document Number: INA C326375

B. State Generator's ID: East Granby, CT Indian Head Farm

5. Transporter 1 Company Name: Tri-S, Incorporated

6. Use EPA ID Number: C·T·D·0·1·6·4·2·4·2·1·0

C. State Transporter's ID

D. Transporter's Phone: 203 875-2110

7. Transporter 2 Company Name

8. Use EPA ID Number

E. State Transporter's ID: 94703 CT

F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
4536 Adams Center Rd.
Fort Wayne, IN 46086

10. Use EPA ID Number: I·N·D·0·7·8·9·1·1·1·4·6

G. State Facility's ID

H. Facility's Phone: 219-447-5585

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. (RQ) Hazardous Waste Solid NOS (D004) ORM-E NA9189	001	CM	1		D004 U061 D123 U233 U036
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
soil contaminated with arsenic, Toxaphene, Chlordane, DDT & Silvex

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
a. 368-B/H70659

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: THOMAS TIES | Signature: Thomas Ties | Date: Month 2 Day 22 Year 89

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Steve Castelvetere | Signature: Steve Castelvetere | Date: Month 02 Day 22 Year 89

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted Item 19.
Printed/Typed Name | Signature | Date: Month Day Year

In case of a spill call the Indiana Office of Environmental Response at 800/424-8302 or 202/426-2675. National Response Center at 800/424-8802 or 202/426-2675.

INA 0326375

EPA Form 8700-22
Previous editions are obsolete.
State Form 11865 (R/4-88)

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM, State Office Building, Hartford, CT 06106

(Not designed for use on elite (12-pitch) typewriters.)

JUN 24 1988

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C T 0 0 0 0 0 0 7 5 2 3 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law

3. Generator's Name and Mailing Address
Culbro Tobacco
1600 Prospect Hill Rd., Windsor, CT 06095

A. State Manifest Document Number: CT C 0161738

B. State Gen. ID: SAME

4. Generator's Phone (203 243-2561)

5. Transporter 1 Company Name: Tri-S, Incorporated — 6. US EPA ID Number: C T D 0 0 6 3 6 4 9 8

C. State Tran. ID

D. Tran. Phone (203 875-2110)

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Tran. ID

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
International Depository
AUW Building 884
North Kingston, RI — 10. US EPA ID Number: R I D 9 9 1 3 0 2 4 0 7

G. State Facility's ID: SAME

H. Facility's Phone: 401-295-2623

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	J. Waste No
a. (RQ) Waste Parathion Mixture Dry Poison B NA2783 (P089)	0 0 2	D F	1 0 0 0	P	P089
b. Hazardous Waste Liquid NOS ORM-E NA9189	0 0 3	D M	0 0 0 1 5	G	U188
c. (RQ) Waste DDT ORM-A NA2761 (U061)	0 0 1	D M	0 0 0 3 0	G	U061
d. Waste Copper based pesticide Poison B UN2775	0 0 1	D M	1	P	CR05

J. Additional Descriptions for Materials Listed Above
a. 1% Parathion
b. Cleaner w/ coal Tar phenols
c.
d. lab pack w/ copper fungicide & copper "A" Compound

K. Handling Codes for Wastes Listed Above
a.
c.
d.

15. Special Handling Instructions and Additional Information
a. 750-H / I3678
b. 750-I / I3679
c. 750-J / I3680
d. 750-K / I3681

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Anthony Tomatis — Signature — Month Day Year: 6 24 88

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year: 6 24 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 9-86) Form Approved OMB No: 2050-0039. Expires 9-30-88. Previous edition is obsolete.

COPY 7: GENERATOR STATE - Mailed by Generator

COPY 7: GENERATOR STATE - Mailed by Generator CT C 0161738

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM, State Office Building, Hartford, CT 06106

JUN 24 1988

(Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C T D 0 0 0 0 7 5 2 1 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law

3. Generator's Name and Mailing Address
Culbro Tobacco
1600 Prospect hill Rd., Windsor, CT

A. State Manifest Document Number: CT C 0161737

4. Generator's Phone (203) 243-2561

B. State Gen. ID: None

5. Transporter 1 Company Name — 6. US EPA ID Number
Tri-S, Incorporated — C T D 0 0 0 6 3 6 4 9 8

C. State Tran ID: 362-A

D. Tran. Phone (203) 875-2110

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Tran. ID

F. Tran. Phone ( )

9. Designated Facility Name and Site Address — 10. US EPA ID Number
International Depository
A.U.N. Building 884
N. Kingston, RI — R I D 0 9 1 3 0 2 4 0 7

G. State Facility's ID: SAME

H. Facility's Phone (401) 295-2625

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ) Waste Sodium Hydroxide Solution Corrosive Material UN1824 (D002)	0 0 1		0 0 0 0 5	G	D002
b. (RQ) Waste Pesticide, Solid, Toxic, NOS Poison B, UN2588 (U036)	0 0 1	D M		P	U036
c. (RQ) Hazardous Waste Liquid NOS ORM-E NA9189(F002,U188)	0 0 1	DM	0 0 0 0 5	G	F002 U188
d. (RQ) Waste Parathion Mixture Dry Poison B NA2783 (F089)	0 0 7	DM	1 7 5 4	P	F089

J. Additional Descriptions for Materials Listed Above
a.
b. Crushed empty drums including chlordane
c. Cleaner w/chlorinated solvent & phenol
d. 1% parathion

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
a. 750-E / I3527
b. 750-P / I3574
c. 750-G / I3677

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Anthony Stanley — Signature — Month Day Year: 6 22 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Timothy Cotter — Signature — Month Day Year: 6 22 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 9-86) Form Approved OMB No. 2050-0039. Expires 9-30-88. Previous edition is obsolete.

GENERATOR TRANSPORTER FACILITY

COPY 7: GENERATOR STATE - Mailed by Generator CT C 0161737

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM, State Office Building, Hartford, CT 06106

(Form designed for use on elite (12-pitch) typewriter.)

JUN 24 1988

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CT P0 0 0 0 0 7 5 2 3 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
Culbro tobacco
1600 Prospect Hill Rd., Windsor, CT 06095

4. Generator's Phone (203) 243 2561

A. State Manifest Document Number: CT C 0161736

B. State Gen. ID: same

5. Transporter 1 Company Name: Tri-S, Incorporated
6. US EPA ID Number: C T D 0 0 0 6 3 6 4 0 8
C. State Tran. ID: 262-A
D. Tran. Phone (203) 875-2110

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Tran. ID
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
International Depository
AUW Building 884
North Kingston, RI
10. US EPA ID Number: R I 0 0 0 9 1 3 0 2 4 0 7
G. State Facility's ID: SAME
H. Facility's Phone: 401-295-2623

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Waste No.
a. (RQ) Waste Flammable Liquid NOS, Flammable Liquid UN1993(D001)	003	DM	00150	G	D001
b. (RQ) Waste Parathion Mixture, Liquid, Poison B NA2783 (P089)	001	DM	00030	G	P089
c. (RQ) Waste Chlordane Mixture, Liquid, Combustible Liquid NA2762 (U036)	002	DM	00010	G	U036
d. (RQ) Waste Pesticide, Solid, Toxic, NOS, Poison B UN2588 (U036)	004	DF	0040	P	U036

J. Additional Descriptions for Materials Listed Above
a. acrylonitrile & carbon tetrachloride
b. 75.7% parathion
c.
d. chlordane solid

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
a. 750-A / I3024
b. 750-B / I3025
c. 750-C / I3026
d. 750-D / I3027

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Anthony Stanulis — Signature — Month Day Year: 6 23 88

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Timothy Bates — Signature — Month Day Year: 6 23 88
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY
19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 9-86) Form Approved OMB No. 2050-0039. Expires 9-30-88. Previous edition is obsolete.

COPY 7: GENERATOR STATE - Mailed by Generator

COPY 7: GENERATOR STATE - Mailed by Generator CT C 0161736

1496 rtford Road, Manchester, CT 06040-5921
TEL 860 646-2469 FAX 860 643-6313
1200 Converse Street, Longmeadow, MA 01106-1721
TEL 413 567-9886 FAX 413 567-8936
Providence, RI TEL 401 828-3510

Fuss & O'Neill Inc. *Consulting Engineers*

Solid Waste Management
Industrial/Hazardous Waste Management
Stream Impact Analysis
Water Resources Engineering
Transportation Engineering
Environmental Field Services
Environmental Engineering
Wastewater Management
Site Planning/Engineering
Hydrogeology
Park Design
Surveying

June 18, 1996

Ms. Susan Zampaglione
Connecticut Department of Environmental Protection
Solid Waste Division
79 Elm Street
Hartford, CT 06016

Re: Culbro Office and Warehouse Fire
Clean-Up Summary Report
Windsor, CT

Dear Ms. Zampaglione:

On behalf of Culbro Corporation (Culbro), the following information is provided to document the removal and clean-up activities conducted at the former Culbro office building located at 1600 Prospect Hill Road in Windsor, Connecticut. As you will recall, on May 24, 1994 the office and warehouse building caught fire and was completely burned. During the spring and summer of 1995, the fire debris was removed, the building basement was backfilled, associated structures were also removed, and the area was returned to its original condition as an open field. The following brief summary describes the clean-up activities and documents the final disposition of the fire and building debris as well as non-impacted structures.

Debris Removal

On May 25, 1994, the day after the fire, Clean Harbors, the emergency response contractor, collected several samples of the debris for analysis. These results were reported in a letter to the Department of Environmental Protection (DEP) on August 4, 1994. In addition, residual pesticide Uydate^{R} (the trade name for Oxanyl) was removed from the basement and placed in two 55 gallon drums for disposal. On June 21, 1994, the drums were removed by Clean Harbor for final disposal.

Between May 1, and May 18, 1995, Bestech of South Windsor, Connecticut under subconstruct to ENSA, Inc., Tri-S Division of Ellington, Connecticut conducted asbestos removal. The asbestos of concern was found only in the transite shingle siding used on the building. All other asbestos from within the building was removed on September 24, 1987 by Goodwin Insulation Company of Torrington, Connecticut. During removal, the transite asbestos siding was stored on-site in a 20-yard roll-off and 30-gallon drums. The roll-off was transported to Partyka Landfill in Chicopee, Massachusetts on May 22, 1995 for final disposal. In addition, 30 drums of transite asbestos were transported by Bestech to a 100-yard storage roll-off at the Bestech facility for future disposal to Partyka Landfill.

JL)

Once the area was cleared of asbestos, Hackling, Inc. of Saybrook, Connecticut under subcontract to ENSA conducted the removal of the metal and ash debris. This work was also completed on May 18, 1995. The metal debris was transported by H. Bixon & Sons of New Haven, Connecticut to their yard for scrap metal recycling. The ash debris was removed by Wilcox Trucking.

Lead Paint Removal

Following removal of the fire debris, paint was observed on some areas of the basement wall and boiler room. Because the site restoration plans involved the demolition of the basement walls for use as backfill material, a paint sample was collected to determine if the paint contained lead. The results of the sample showed the paint to be lead based.

In order to determine the extent of lead contamination, several composite samples were collected and analyzed for TCLP lead. Based on these results, three areas of elevated lead concentrations were delineated. On July 25, 1995, Lead Tech contracted directly by Culbro, completed lead abatement on the basement wall which was documented by confirmatory samples collected on July 25 and 29, 1995. The results and details of the lead abatement is published in a letter to Mr. Andrew Rizzo, Jr., of the Town of Windsor dated August 8, 1995 (copy attached).

Underground Storage Tank (UST) Removal

On May 30, 1995, Warco Construction Company was contracted by Culbro to remove the 6,750 gallon underground storage heating oil tank which was located directly behind the office building and adjacent to the boiler room. (See Figure 1.) Prior to removal, approximately 4,100 gallons of virgin product which remained in the tank was removed by Valley Energy Company, Inc.

Following removal of the tank, confirmatory soil samples were collected from the excavation sidewalls for analysis of total petroleum hydrocarbons by Henry Souther Labs, Inc. of Bloomfield, Connecticut. The results indicated the soils within the excavation to be below detection limits and no contaminated soil was generated during removal. The tank was transported to Northeast Tank Disposal by Warco Construction Company for scrap metal.

Fuss & O'Neill Inc. *Consulting Engineers*

Site Restoration

During September 1995, Marquis Construction was contracted by Culbro to backfill the building foundation and restore the site to its original condition as a field. H & H Trucking transported approximately 3,500 yards of fill from Winterwood Road, East Granby to the Prospect Hill Road property. Because the fill was not from a gravel company, several soil samples were collected and analyzed for volatile organic compounds (VOC's) by EPA Method 8010/8020, total petroleum hydrocarbons (TPH) by EPA Method 418.1 and total lead by EPA Method 200.7 prior to use as backfill. Results indicated no VOC's were detected, TPH concentration ranged from 0-27.3 mg/kg and lead concentrations ranged from 0-2.5 mg/kg. All results were well below DEP standards and therefore, the soil was considered acceptable for use as backfill.

Conclusions

Based on the clean-up and restoration activities conducted at 1600 Prospect Hill Road as well as the analytical results associated with these activities indicate that all fire debris and various other unaffected structures were removed in accordance with DEP requirements. Therefore, no further investigation or clean-up is necessary of this site and the project file should be considered complete.

If you have any questions regarding this information, please contact Mr. Paul Pranaitis of Culbro at 769-3600.

Sincerely,

Herbert E. Woike
Project Manager

David F. Hurley, P.G.
Associate
Director of Environmental Field Services

/med

c: Paul Pranaitis - General Cigar
A. Ross Wollen, Esq. - Culbro Corp.
Charles J. Nicol, Esq. - Updike, Kelly & Spellacy

84255\A2\HEW0521A.WP
Corres.

TABLE 1
ANALYTICAL RESULTS OF LEAD SAMPLING

CULBRO TOBACCO COMPANY
FIRE DEBRIS REMOVAL PROJECT
WINDSOR, CONNECTICUT

AUGUST, 1995

Sample No.	Sample Location	Sample Type	Sample Date	TCLP Lead Results (mg/L)
415950511-01	Basement Adjacent to Boiler Room Entrance	Paint	5/11/95	5.62
415950522-01	Basement North Wall	Rock/Cement Chips	5/22/95	<0.005
415950522-02	Basement North Wall	Rock/Cement Chips	5/22/05	<0.005
415950522-03	Basement Adjacent to Boiler Room Entrance	Rock/Cement Chips	5/22/95	<0.005
415950522-04	Basement North Wall	Rock/Cement Chips	5/22/95	<0.005
415950522-05	Basement North Wall	Rock/Cement Chips	5/22/95	<0.005
415950522-06	Basement West Wall	Rock/Cement Chips	5/22/95	0.047
415950522-07	Boiler Room Walls	Rock/Cement Chips	5/22/95	2.02
408950724-01	Basement Adjacent to Boiler Room Entrance	Rock/Cement Chips	7/24/95	<0.01
408950725-02	Boiler Room Walls	Rock/Cement Chips	7/25/95	<0.01
408950725-03	Basement West Wall	Rock/Cement Chips	7/25/95	<0.01

BRIEFING PAPER

CULBRO LAND RESOURCES FIRE
WINDSOR, CT
MAY 24, 1994

Windsor Emergency Dispatch notified DEP-DO at 9:48am that there was a fire involving agricultural chemicals and pesticides at the referenced company warehouse located at 1600 Prospect Hill Road, Windsor, CT.

The DEP Oil & Chemical Spill Response Division (OCSRD) immediately dispatched three emergency response inspectors, Donald Burton, Rich Ciasullo and Matt Williamson. The first DEP inspector on-scene found that the warehouse office complex was fully involved with dark grey plume of smoke being emitted and rising vertically from the fire site. Greg Malloy, Windsor Fire Chief, the Incident Commander had established a command post and incident commander system operations. Additional DEP personnel were dispatched from Pesticides-PCB Division (Debbie Catuccio, Mike Dezzani) and Mike Casper (OSHA Compliance Program) to provide technical assistance.

At 10:15am, following a brief discussion with the inspectors on scene, I notified Deputy Commissioner Bob Moore of the incident providing information about the incident as was known.

After a meeting with Culbro officials and Incident Commander Malloy, it was determined that the only two pesticides were present in the warehouse, Orthene (Acephate) 250 pounds and Vydate-L (Oxamyl) 150 gallons. Additional materials stored were lime and cotton seed meal. This information was transmitted to Pesticide-PCB's and Brad Robinson quickly provided MSDS sheets on the materials. MSDS sheets were already available on-scene provided by Culbro.

I again spoke with Bob Moore around 12 noon bringing him up to date regarding the limited quantity of materials involved and the decision by the Incident Commander to allow the fire to burn unimpeded. At 4:15pm I called Bob Moore again and was told he wasn't there right now. Tess Gutowski called me back and asked to be briefed. I provided Tess information regarding the increased magnitude of the evacuation, surface water contamination, the status of the fire extinguishing operation and wipe sample program underway to identify and quantitate pesticide contamination to take samples to a private lab in Agawam due to some difficulty with keeping DOHAS lab open. This problem was resolved a few minutes later.

The following notifications were made by the OCSRD per notification protocols:

1. Public Safety - Bureau of the State Fire Marshal, Special Hazards Division, Meriden, CT;

2. Department of Health and Addictive Services, Toxic Hazards Brian Toal and Dr. Galbraith;

3. Air Management Unit. Pat Bowe responded and was given updated information and copies of MSDS sheets provided by Brad Robinson in Pesticides. I spoke with Pat Bowe several times during the day to update.

4. Water Management Bureau: Bob Smith was given a briefing and agreed to look into possible groundwater problems associated with the incident.

The following summarizes important incident issues and concerns:

1. There was a fully involved fire at Culbro warehouse containing two pesticides (See attached MSDS);

2. When DEP arrived, the Incident Commander had ordered an evacuation of residences and commercial buildings. The evacuation was being carried out by Windsor and Bloomfield Police. Some 250 residences and 20 commercial buildings were evacuated. The extent of this evacuation was not known to DEP personnel on scene until sometime after noon due to rural character of the immediate incident area;

3. The Incident Commander made the decision to allow the fire to burn due to the advanced state of the fire and potential exposure to fire personnel;

4. There were two people injured and transported, one worker who suffered cuts and lacerations and a firefighter from Windsor Locks who was overcome while working in an aerial bucket;

5. Frequent contacts were made with Brian Toal, DOHAS, Toxic Hazards, regarding the health implications. MSDS sheets were faxed. Brian Toal was in frequent contact with C.D.C., Atlanta to determine immediate and long term threats;

6. Probably due to the national media coverage, inquiries were received from EPA, Lexington (OSC) and EPA Pesticides Branch, Washington, DC. MSDS sheets were faxed to Lexington. EPA data was faxed to DEP, OCSRD from Washington. EPA, Lexington offered assistance;

7. The perimeter of the incident area was checked to determine any runoff points and surface water. Except for one low point in a field adjacent to the warehouse, there was no runoff problem. The ponded area was sampled for analysis;

CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT
OIL AND CHEMICAL SPILL RESPONSE DIVISION

RECEIVED
JUN 0 9 1994
Waste Management Bureau
Oil & Chemical Spill
Response Division

REPORT OF PETROLEUM OR CHEMICAL PRODUCT DISCHARGE, SPILLAGE OR RELEASE

1. When did the incident occur? date 5 / 24 / 94 (month day year) time 9 :20 a.m. (approximately)

2. Where did the incident occur? 1600 Prospect Hill Road
Windsor, CT 06095

3. How did the incident occur? (*Describe the cause*) Fire of warehouse and office building

4. Under whose control was the chemical or petroleum product at the time of the incident?

Anthony Stanaitis (Warehouse Manager)
Name

1600 Prospect Hill Road
Mailing address and street

Windsor	CT	06095	(203) 769-3659
Town	State	Zipcode	Telephone

5. Who is the owner of the property onto which the spill occurred?

Culbro Corporation

If this is a corporate property or property owned jointly, who represents the owners?

Corporate property ☒ Property owned jointly ☐

Culbro Corporation, Attention: A. Ross Wollen, Esq. - Senior Vice President and General Counsel
Name

387 Park Avenue South
Mailing address and street

New York	NY	10016-8899	(212) 561-8700
Town	State	Zipcode	Telephone

6. When was the incident verbally reported to the Department of Environmental Protection?

Date 5 /24 /94 (month day year) time 9 : 48 a.m.

7. Who reported the incident and who were they representing?

Windsor Dispatch - Windsor Fire Department
Name Title

275 Broad Street
Mailing address and street

Windsor CT 06095 (203) 285-1971
Town State Zipcode Telephone

8. What were the chemicals or petroleum products released, spilled or discharged? Give an exact description of each of the materials involved in the incident, including chemical names, percent concentrations, trade names, etc.

If the chemicals are Extremely Hazardous Substances or CERCLA hazardous substances they must be identified as such and include the reportable quantity (RQ). Please attach a Material Safety Data Sheet (MSDS) for each chemical involved.

What were the quantities of chemicals that were released, spilled or discharged to each environmental medium (air, surface water, soil, groundwater)? [NOTE: Connecticut General Statutes 22a-450 requires the reporting of any amount of any substance or material released to the environment].

Orthene 75 S (Active ingredient: Acephate) - 150 gallons*

Vydate L (Active ingredient: Oxamyl (carbamate) - 250 lbs.*

*These were the amounts present prior to the fire. All testing indicated materials were consumed and/or some traces remained onsite.

9. Did any of the chemical travel beyond the property line? [NOTE: materials that enter the ground water are considered to have gone beyond the property line.]

No evidence of such.

10. What actions were taken to respond to and contain the release, spill or discharge?

Windsor, Bloomfield and Windsor Locks Fire Department, Windsor and Bloomfield Police Departments, DEP Haz Mat Team all reported to fire. Culbro retained Clean Harbors and Fuss & O'Neill to assist in responding to emergency situation. Sampling conducted of area businesses, home and site. All sampling indicated no release of chemicals.

11. What actions are being taken to prevent reoccurrence of an incident of this type?

Not applicable (building consumed by fire).

Attach additional sheets if necessary.

12. Were there any injuries as a result of the incident? If so, list the names of exposed individuals, their addresses, phone numbers and describe their injuries.

Leonard Loyd (from glass, not chemicals)

Name

1119 Forest Street

Mailing address and street

Marshfield MA 02050

Town State Zipcode Telephone

Attach additional sheets if necessary.

13. What is the appropriate advice regarding medical attention necessary for exposured individuals?

Not applicable (no exposure to chemicals).

14. Are there any known or anticipated health risks, acute or chronic, associated with the release of this chemical or medical advice that should be communicated?

Not applicable (no exposure to chemicals).

15. Was the incident completely cleaned up by the time this report was submitted? If not, what are the anticipated remedial actions and their duration?

Site is secure. Fencing has been installed. All debris located within foundation. Debris will be removed subsequent to governmental approval.

16. CERTIFICATION. I hereby affirm that the aforegoing statement is true to the best of my knowledge.

Signature	Title	Date
	Vice President	June , 1994

Print Name	Telephone Number
Lawrence Palombo	(203) 763-3600

Street Address/P.O. Box	City/Town	State	Zipcode
320 West Newberry Road	Bloomfield	CT	06002-1398

This form may be reproduced or computerized as long as it contains all of the information requested and is on an 8 1/2" x 11" white paper, black type format. For serious incidents the questions may be answered in a narrative fromat which must inlcude the preparer's affidavit.

MAIL TO: Connecticut Department of Environmental Protection
Bureau of Waste Management
Oil and Chemical Spill Response Division
165 Capitol Avenue
Hartford, CT 06106

Department of Environmental Protection
165 Capitol Avenue
Hartford, CT 06106

Bureau of Waste Management
Oil and Chemical Spill Response Division

913

EMERGENCY INCIDENT REPORT

CASE NO. 94-2672 ASSIGNED TO: 902, 912, 932, 934, 924

DATE: 5/24/94 TIME: 09:48 TOWN OF DISCHARGE: Windsor

REPORTED BY Windsor D.S.P. TELEPHONE: BUSINESS ( ) - 688 - 3606 HOME ( ) - - -

REPRESENTING: Windsor Fire Dept

STREET ____ TOWN Windsor STATE CT ZIP ____

INCIDENT LOCATION: 1600 Prospect Hill Rd Windsor
STREET TOWN POLE NO.

TYPE OF INCIDENT: ☐ PETROLEUM ☑ CHEMICAL ☐ DIELECT ☐ GASEOUS ☐ HAZARDOUS WASTE ☐ SEWAGE RELATED ☐ BIOMEDICAL ☐ ALGAE ☐ OTHER ____

DISCHARGESUBSTANCE: mixed chemicals - see attached. MSDS attached.

QUANTITY: ____ GALLONS ____ CUBIC YARDS ____ CUBIC FEET ____ LB(S) ____ CONCENTRATION ____ DRUMS

IF THIS IS A CHEMICAL RELEASE AND DOES THIS INCIDENT CONSTITUTE A SARA 304 RELEASE? ☐ YES ☐ NO IF YES, THEN YOU MUST OBTAIN THE FOLLOWING ADDITIONAL INFORMATION:

☐ SARA 304 RELEASE - EXTREMELY HAZARDOUS SUBSTANCE ☐ CERCLA HAZARDOUS SUBSTANCE FEDERAL EXCEEDING R.Q. ☐ CROSS PROPERTY LINE ☐ PROTECTIVE ACTIONS TAKEN

R.Q. #'S: ____ TOTAL LB(S) ____ LB(S)

SARA TITLE III: DESCRIBE PROTECTIVE ACTIONS AND PROVIDE MEDICAL INFORMATION:

DATE OF SPILL: 5/24/94 MONTH/DAY/YEAR IS THE SPILL ONGOING? ☐ YES ☐ NO TIME OF SPILL: ____

HAS THE RELEASE BEEN TERMINATED ☐ YES ☐ NO HAS THE RELEASE BEEN CONTAINED? ☐ YES ☐ NO

MISCELLANEOUS INFORMATION: Culbro Land Resource agricultural chem - unk volume

WATER BODY: ground surface ☐ RIVER ☐ L.I.S. ☐ TRIBUTARY ☐ CATCH BASIN/STORM DRAIN ☐ POND

MEDIA: ☐ AIR ☐ SURFACE WATER ☐ GROUND WATER ☑ GROUND SURFACE ☐ INSIDE BUILDING ☐ OTHER ____

TOTAL IN WATER (APPROXIMATE GALLONS): ____ TOTAL RECOVERED FROM WATER: ____

QUANTITY RECOVERED: ____ POLLUTER NAME: Culbro Land Resource

POLLUTER MAILING ADDRESS: 1600 Prospect Hill Rd TELEPHONE: ____

POLLUTER ACCEPTS FINANCIAL RESPONSIBILITY? ☑ YES ☐ NO

CLEAN-UP ACTIONS BEING TAKEN: ____

5/24 mgh —

DISCHARGE CLASS	CAUSE OF INCIDENT		
2 ☐ MARINE TERMINAL	2 ☐ HOSE FAILURE	12 ☐ VALVE FAILURE	21 ☐ PUMPING BILGE
3 ☐ INLAND TERMINAL	3 ☐ TRANSFER LINE FAILURE	13 ☑ FIRE	22 ☐ OPEN HATCH
4 ☐ INDUSTRIAL	4 ☐ INGROUND TANK FAILURE	14 ☐ POWER FAILURE	23 ☐ VANDALISM
5 ☐ TRANSPORTATION	5 ☐ ABOVE GROUND TANK FAILURE	15 ☐ PUMP FAILURE	24 ☐ BLOW BACK
6 ☐ GOVERNMENTAL	6 ☐ SADDLE TANK FAILURE	16 ☐ PUMPING	25 ☐ ROAD OILING/REPAIR
7 ☐ PRIVATE	7 ☐ CARGO TANK FAILURE	17 ☐ DUMPING	26 ☐ M.V. ACCIDENT
8 ☐ VESSEL	8 ☐ FUEL TANK FAILURE	18 ☐ ILLEGAL DISCHARGE	27 ☐ TRANS./CAPACITOR
9 ☑ COMMERCIAL	9 ☐ HULL FRACTURE	19 ☐ SINKING	28 ☐ NATURAL
10 ☐ UTILITY	10 ☐ OVERFILL	20 ☐ SEEPAGE	29 ☐ LEAKING UST REPORT
11 ☐ NATURAL	11 ☐ CONTAINER FAILURE		30 ☐ OTHER_____
12 ☐ OTHER _____			

CORRECTIVE ACTIONS TAKEN:

2 ☐ NONE REQUIRED	9 ☐ EVAPORATED	15 ☐ PUMPED OUT	21 ☐ REMOVED TANK
4 ☐ REMOVED	10 ☐ SANDED	16 ☐ NEUTRALIZED	22 ☐ SOIL REMOVED
5 ☑ CONTAINED/REMOVE	11 ☐ FOAMED	17 ☐ RECOVERY SYSTEM	23 ☐ UST ENFORCEMENT
6 ☐ CONTRACTED	12 ☐ REFERRED	18 ☐ REPAIRED LINE	24 ☐ OTHER_____
7 ☐ TEST WELLS	13 ☐ CLEANED	19 ☐ REPAIRED TANK	
8 ☐ DISSIPATED	14 ☐ WASHED DOWN	20 ☐ DISPERSED	

CLEAN-UP CONTRACTOR(S): _____

DID DEP HIRE CLEAN-UP CONTRACTOR(S): ☐ YES ☑ NO DATE: 5/24/94
REQUESTED: _____ ARRIVED: _____
RECEIVED BY: 932 INSPECTOR ASSIGNED: 912, 902, 932, 934
DATE ASSIGNED: 5/24/94 TIME ASSIGNED: _____
ESTIMATED TIME OF ARRIVAL: _____

STATUS: ☑ OPEN ☐ CLOSED ☐ MONITORED

1. IS THIS A CHEMICAL RELEASE AND WAS NOT REPORTED BY 911 EMERGENCY RESPONSE SYSTEM, DOES THIS RELEASE REQUIRE A NOTIFICATION BE SENT PER PUBLIC ACT 90-276? ☐ YES ☑ NO 2. STATUS OF NOTIFICATION ☐ SENT
3. IS THIS AN 1136 CASE? ☐ YES 4. 1136 CASE NO. _____
5. IS THIS A FEDERAL 311K CASE? ☐ YES ☑ NO 6. PIN _____
7. HAS THE COST RECOVERY EXPENDITURE SUMMARY BEEN INITIATED? ☐ YES ☑ NO 8. INCIDENT CODE _____

PROPERTY OWNER: ☐ STATE ☐ MUNICIPAL ☑ CORPORATION ☐ PRIVATE ☐ FEDERAL
_____
_____
_____

PROPERTY OWNER: ☐ STATE ☐ MUNICIPAL ☑ CORPORATION ☐ PRIVATE ☐ FEDERAL
_____
_____
_____

PHONE NUMBER: _____

POLLUTER: ☐ TRUCK ☐ TRAILER ☐ VESSEL ☐ OPERATOR _____

OWNER NAME AND ADDRESS: _____
_____

CONTACT: _____ TELEPHONE _____

VEHICLE/VESSEL IDENTIFICATION: MAKE: _____
REGISTRATION # _____ MODEL: _____

ADDITIONAL INFORMATION: _____
_____
_____

HAS THIS REPORT BEEN UPDATED WITH THE INSPECTOR'S REPORT ☑ YES ☐ NO DATE: 5/24/94

...ecticut Department of Environmental Protection
Bureau of Waste Management
Oil and Chemical Spill Response Division

EMERGENCY INCIDENT FIELD REPORT

ASSIGNED TO: _____

TIME: _____ TOWN OF DISCHARGE: Windsor

BY: _____ PHONE: _____

REPRESENTING: Windsor Fire Dep.

STREET ADDRESS: _____

CITY: _____

LOCATION OF DISCHARGE: 1600 Prospect Hill Rd - Loomer Tobacco Office
Windsor, CT

DISCHARGE TYPE: ☐ PETRO ☑ CHEMICAL ☐ GAS EMISSION ☐ OTHER _____

DISCHARGE SUBSTANCE: _____ TOTAL QUANTITY: _____

DATE OF DISCHARGE: _____ TIME OF DISCHARGE: _____

CONTAINMENT MEASURES: _____

WATER BODY: _____ TOTAL IN WATER: _____

TOTAL RECOVERED: _____ RECOVERED FROM WATER: _____

DISCHARGER: _____ RECOVERED FROM WATER: _____

DISCHARGER ACCEPTED LEGAL RESPONSIBILITY: YES - Charles Nicol - Attorney Authorized Agent

PROPERTY OWNER: Colibro Corp - David Nowez - Pres.
Austin MacNamara - President General Counsel - Louis Nowez)
387 Park Ave South New York, NY Phone Number: 212-561-8714

POLLUTER: As Above

Phone Number: _____

VEHICLE IDENTIFICATION: TRACTOR TYPE: _____ REG. # _____

OPERATOR: _____ LICENSE # _____

OWNER: _____ PHONE NO. _____

VEHICLE IDENTIFICATION: TRAILER TYPE: _____ REG. # _____

OPERATOR: _____ TRAILER # _____

OWNER: _____ PHONE NO. _____

CONTRACTOR INFORMATION: NAME: Clean Harbors - Mobil Command Post
DECON TRAILER

EQUIPMENT:

☐ BOOM	☐ VAC TRUCK	☐ HOSE
☐ BOAT	☐ P/F MATS	☐ VACTOR
☐ SPECIAL	☐ BAND TOOLS	☐ SKIMMER
☐ MANPOWER		

☐ REQUESTED: _____ ☐ ARRIVED: _____ INSPECTOR: _____

OVER

Mobile Works -

SAMPLES: Alpha Lab - East-Longmeadow

QUANTITY: _____ QUANTITY: _____

LOCATION: _____ LOCATION: _____

CONTACTS:
NAME: Greg Malloy Fire Chief PHONE NUMBER: Windsor Fire Dept
NAME: Ellen Talia Monthly Dept PHONE NUMBER: 566-5167

ADDITIONAL INFORMATION:

1) Centhane 75 S - 250 lbs · (Acephate) Organophosphate
2) Vydate L 2-5 - 150 gal - Carbamate - (OXAmyl)
3) Lithe - Li Cal - 1 Tab
4) Cotton Seed Meal
5) All Base Stabilizer - 200 gal - 40 Sgal BAGS
6) Plastic Sheeting

Results from Barrow Lab 22745
· Brian Johns DUNS / Mary Lupin
Samples 4, 5, 6, 7 ND or TRACE (#7)

other = Horizontal
Hartford = Horizont
= cross sections of Hartford cover

Connecticut Department of Environmental Protection
Bureau of Waste Management
Oil and Chemical Spill Response Division

EMERGENCY INCIDENT FIELD REPORT

CASE NO. _____ ASSIGNED TO: 912, 934, 902, 932, 933, 943, 913

DATE: 5/24/94 TIME: 0930 TOWN OF DISCHARGE: Windsor

FROM: _____ BY: Dispatcher PHONE: _____

REPRESENTING: Windsor PD/FD

STREET ADDRESS: _____

CITY: _____

LOCATION OF DISCHARGE: 1600 Prospect Hill Rd. - Culbro Tobacco Office/Warehouse

DISCHARGE TYPE: ☐ PETRO ☑ CHEMICAL ☐ GAS EMISSION ☐ OTHER _____

DISCHARGE SUBSTANCE: Pesticide Fine TOTAL QUANTITY: See Report

DATE OF DISCHARGE: 5/24/94 TIME OF DISCHARGE: AM

CONTAINMENT MEASURES: See Report

WATER BODY: N/A TOTAL IN WATER: N/A

TOTAL RECOVERED: None RECOVERED FROM WATER: N/A

DISCHARGER: Culbro Corporation ~~RECOVERED FROM WATER:~~ Dschg. Stopped - Yes

DISCHARGER ACCEPTED LEGAL RESPONSIBILITY: Yes - Charles Nicol, Esq. - Atty. Representing Culbro

PROPERTY OWNER: Culbro Corp. (General Cigar)
387 Park Ave South Austin McNamara - President
New York, N.Y. Phone Number: 212-561-8714

POLLUTER: Same as Above

Phone Number: _____

VEHICLE IDENTIFICATION: TRACTOR TYPE: _____ REG. # _____

OPERATOR: _____ LICENSE # _____

OWNER: _____ PHONE NO. _____

VEHICLE IDENTIFICATION: TRAILER TYPE: _____ REG. # _____

OPERATOR: _____ TRAILER # _____

OWNER: _____ PHONE NO. _____

CONTRACTOR INFORMATION: NAME: Clean Harbors

EQUIPMENT:

☐ BOOM	☑ VAC TRUCK	☐ HOSE
☐ BOAT	☐ P/F MATS	☐ VACTOR
☐ SPECIAL	☐ BAND TOOLS	☐ SKIMMER
☐ MANPOWER		

☐ REQUESTED: _____ ☐ ARRIVED: _____ INSPECTOR: Rich Chiello

OVER

4 Air Samples
- 1 Upwind + 2 Downwind of Fire, 1 Blank

SAMPLES:

QUANTITY: 7 Wipe Samples QUANTITY: 1 Air F. Hen (Solids) / 3 Water / 1 Soil

LOCATION: - Surrounding Structures LOCATION: - Otis Elevator Bldg / - Fire ground / Fire ground

CONTACTS:
NAME: Herb Woike - Fuss + O'Neill PHONE NUMBER: 646-2469

NAME: Bruce Devanney - Clean Harbors PHONE NUMBER: 224-7600

ADDITIONAL INFORMATION:

Inspector Matt Williamson (#534) and I were dispatched to this location. We arrived at the location and witnessed the structure fully involved in fire. We donned our structural fire fighting gear and approached the first fire apparatus we saw, to inquire as to the location of the Command Post. The Chief of Windsor Volunteer EMS advised us that the I.C. (Incident Commander) was on the opposite side of the fire, so we proceeded around the scene on the upwind side.

Culbro
Windsor
CPD

146 Hartford Road, Manchester, CT 06040-5921
TEL 203 646-2469 FAX 203 643-6313

1200 Converse Street, Longmeadow, MA 01106-1721
TEL 413 567-9886 FAX 413 567-8936

Fuss & O'Neill Inc. *Consulting Engineers*

Solid Waste Management
Industrial/Hazardous Waste Management
Stream Impact Analysis
Water Resources Engineering
Transportation Engineering
Environmental Field Services
Environmental Engineering
Wastewater Management
Site Planning/Engineering
Hydrogeology
Park Design
Surveying

December 20, 1994

Ms. Susan Zampaglione
Senior Sanitary Engineer
Department of Environmental Protection
Waste Engineering and Enforcement Division
79 Elm Street
Hartford, CT 06106

RECEIVED
DEC 23 1994
DEP- Waste Management
Waste Engineering & Enforcement
Enforcement-District 1

RE: Waste Disposal Manifests
Culbro Office Building Fire
Windsor, Connecticut

Dear Ms. Zampaglione:

As requested, please find enclosed copies of the waste manifests (CT F0243190, CT F0243191) of the waste material removed from the ash/debris in response to the May 24, 1994 fire at the Culbro office building located at 1600 Prospect Hill Road in Windsor, Connecticut.

Should you have any questions regarding this information please contact us so that any concerns of the DEP can be addressed.

Sincerely,

James P. Lardie
Project Hydrogeologist

David F. Hurley
Associate

Enclosure:

/jpl

c: A. Ross Wollen, Esq. - Culbro Corporation

84255\A2\JPL1216A.WP
Corres.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM, State Office Building
Hartford, CT 06106

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CESQG . . . . . Manifest Document No. 43179

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
GENERAL CIGAR CO
387 PARK AVE SOUTH, NEW YORK CITY, NY

4. Generator's Phone (203) 548-2632

A. State Manifest Document Number: CT F 0243190

B. G.S.I. (Gen. Site Address)
1600 PROSPECT HILL RD
WINDSOR, CT 06095

5. Transporter 1 Company Name: CLEAN HARBORS ENV,SERVICES,INC.

6. US EPA ID Number: MAD039322250 . . . . .

C. S.T.I. (Trans. Lic. Plate #): MA13333

D. Tran. Phone (617) 849-1800

7. Transporter 2 Company Name

8. US EPA ID Number . . . . . .

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

9. Designated Facility Name and Site Address
CLEAN HARBORS OF CONN. INC.
51 BRODERICK RD
BRISTOL, CT 06010

10. US EPA ID Number: CTD000604488 . . . . .

G. State Facility's ID (Not Required)

H. Facility's Phone 203-583-8917

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON DOT REGULATED FIRE WATER NONE NONE	001	DM	00385	G	EPA NONE / STATE CR04
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	S01	T07	c.		
b.			d.		

15. Special Handling Instructions and Additional Information
11a. U60593
IN CASE OF EMERGENCY CALL CHI AT 1-800 OIL TANK

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
LAWRENCE PALOMBO		1	12	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GregGPoiras		06	28	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Lynne Matheson		06	27	94

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039. Expires 9/30/94. Previous edition is obsolete.

GENERATOR

COPY 3: FACILITY TO GENERATOR

CT F 0243190

COPY 3: FACILITY TO GENERATOR

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM, State Office Building
Hartford, CT 06106

FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CESQG — Manifest Document No. 931-71

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
GENERAL CIGAR CO
387 PARK AVE SOUTH, NEW YORK CITY,NY
4. Generator's Phone (203 - 548-2632)

A. State Manifest Document Number: CT F 0243191

B. G.S.I. (Gen. Site Address)
1600 PROSPECT HILL RD
WINDSOR, CT 06095

5. Transporter 1 Company Name: CLEAN HARBORS ENV.SERVICES,INC.
6. US EPA ID Number: MAD039322250

C. S.T.I. (Trans. Lic. Plate #) MA 13333
D. Tran. Phone (617) 849-1800

7. Transporter 2 Company Name
8. US EPA ID Number

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )

9. Designated Facility Name and Site Address
CLEAN HARBORS OF CONN. INC
51 BRODERICK RD
BRISTOL, CT 06010
10. US EPA ID Number: CTD000604488

G. State Facility's ID (Not Required)
H. Facility's Phone 203-583-8917

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. PESTICIDES,SOLID,TOXIC,N.O.S.(POISON) 6.1 UN2588 PGI	003	DM	00200	P	EPA NONE / STATE CR05
b. Pesticides, solid, Toxic, NOS (Poison) 6.1 UN 2588 PG I	002	DF	00500	P	EPA NONE / STATE CR05
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials Listed Above
a. (S)(L) Pesticides Solid
b. (S)(L) Pesticides Solid
c.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	X	S01	c.		T07
b.			d.		

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY CALL CHI AT 1-800 OIL TANK
11a. U60594
11b U60594

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
LAWRENCE PALOMBO		06	29	94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Greg Goitras		06	29	94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
Section 11 (a) & (b) NOS description 9/B "Oxamyl, Orthene"

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Lynne Nettleton		06	29	94

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039 Expires 9/30/94. Previous edition is obsolete.

COPY 3: FACILITY TO GENERATOR

CT F 0243191

COPY 3: FACILITY TO GENERATOR

TABLE 1

LABORATORY CHEMICALS
POTENTIALLY STORED IN THE BUILDING
AT THE TIME OF THE FIRE

MAY 24, 1994

CULBRO TOBACCO
1600 PROSPECT HILL ROAD
WINDSOR, CONNECTICUT

Chemical Name	Quantity Per Year *
Ammonium Molybdate	200 grams
Glacial Acetic Acid	3 gallons
Sulfuric Acid	6 gallons
Nitric Acid	4 gallons
Perchloric Acid	3 gallons
Hydrochloric Acid	1 pint
Boric Acid - Granular	500 grams
Salicylic Acid - Crystals	500 grams
Darco G-60 Charcoal	200 grams
Sodium Hydroxide - Pellets	20 lbs.
Ammonium Sulfate - Granular	5 grams
Gum Arabic ("Acacia") - Powder	100 grams
Anhydrous Mercuric Iodine	100 grams
Anhydrous Potassium Iodine	70 grams
Potassium Nitrate	10 grams
Chloroform	1 pint
Magnesium Acetate - Crystals	5 grams
Hydroxylamine Hydrochloride	500 grams
Clayton Yellow	20 grams
Calcium Acetate	50 grams
Aluminum Sulfate - Crystals	5 grams
Starch Soluble - Powder	500 grams
Potassium Phosphate (Crystals)	5 grams
1-Amino-2-Napthol-4Sulfonic Acid	20 grams
Zinc Metal Dust	2 lbs.
Sodium Acetate	600 grams
Sodium Bisulfite	50 grams
Sodium Molybdate	100 grams
Sodium Nitrite	30 grams
Sodium Oxalate	10 grams
Sodium Sulfite - Anhydrous	5 grams
Sodium Thiosulfate	3 lbs.

Fuss & O'Neill Inc.

TABLE 1 (Cont'd)

LABORATORY CHEMICALS
POTENTIALLY STORED IN THE BUILDING
AT THE TIME OF THE FIRE

MAY 24, 1994

CULBRO TOBACCO
1600 PROSPECT HILL ROAD
WINDSOR, CONNECTICUT

Chemical Name	Quantity Per Year *
Diphenylamine	2 grams
Cobalt Nitrate	5 grams
Stannous Oxalate - Powder	2 grams
Iso-propyl Alcohol	1 pint
Neutral Formaldehyde	1 pint
Thiazol Yellow	1 gram
Bromocresol Green	2 grams
Methyl Red	5 grams
Sodium Carbonate	3 grams
Sodium Sulfate - Anhydrous	1 lb.
Sodium Hexametaphosphate	50 grams
Standard Buffar Solution - PH 7.00	6 pints
Boiling Stones	100 grams
Brucine	20 grams
Kjeltabs Pot. Sulf/SE 3.5 G. Potassium Sulfate 0.0035 G. Selenium	1,000 tablets

*** ESTIMATED ANNUAL PURCHASES**

Other Stored Materials

150 Gallons - Orthene 75S
250 lbs. Vydate L
~20 Gallons - Magic Circle
200 Gallons - Oil base stain
10 Gallons - compressor oil
6 Gallons - motor oil
19 - 50 lbs. bags of cotton seed
166 - 50 lbs. bags of agricultural lime

TABLE 2

SAMPLE RESULTS

CULBRO TOBACCO
1600 PROSPECT HILL ROAD
WINDSOR, CONNECTICUT

SAMPLE No.	SAMPLE LOCATION	SAMPLE TYPE	PARAMETER DETECTED
CULBRO/ O524-01	HARTFORD INSURANCE	WIPE	TRACE OXAMYL
O524-02	CLR SUPPLY	WIPE	ND
O524-03	OTIS ELEV.	WIPE	ND
O524-04	FARM 28 OFFICE	WIPE	ND
O524-05	362 TUNXIS AVE.	WIPE	ND
O524-06	368 TUNXIS AVE.	WIPE	ND
O524-07	374 TUNXIS AVE.	WIPE	TRACE OXAMYL
O524-08	HARTFORD INSURANCE	AIR FILTER	ND
O524-09	CULBRO EAST END	FIRE FIGHT. WATER	200-800 ug/L OXAMYL
O524-10	CULBRO WEST END	FIRE FIGHT. WATER	ND
O524-11	CULBRO WEST SIDE	SOIL	ND
O524-12	DRAINAGE DITCH	FIRE FIGHT. RUNOFF WATER	ND
O524-14	DOWN WIND IMMEDIATE	AIR	ND

TABLE 2 (Cont'd)

SAMPLE RESULTS

SAMPLE No.	SAMPLE LOCATION	SAMPLE TYPE	PARAMETER DETECTED
O524-15	UP WIND	AIR	ND
O524-16	DOWN WIND 100 YARDS	AIR	ND
O524-17	BLANK	AIR	ND

SAMPLES OF THE ASH AND FIRE DEBRIS

SAMPLE No.	SAMPLE LOCATION	SAMPLE TYPE	PARAMETER DETECTED
158940525--20	WC #1	ASH/DEBRIS	PESTICIDES/PCBs-ND (see lab report)
-21	WC #2	ASH/DEBRIS	PESTICIDES/PCBs-ND (see lab report)
-22	WC #3	ASH/DEBRIS	PESTICIDES/PCBs-ND (see lab report)
-23	WC #4	ASH/DEBRIS	PESTICIDES/PCBs-ND (see lab report)
-24	WC #5	ASH/DEBRIS	PESTICIDES/PCBs-ND (see lab report)
-25	WC #6	FIRE FIGHT. RUNOFF WATER	PESTICDES/PCBs-ND (see lab report)

Connecticut Department of Energy and Environmental Protection
Emergency Response and Spill Prevention Division
Emergency Incident Report

Case No.: 2017-02687
Staff Receiving Call: 205 COX, MICHAEL **Assigned To:** 929 SHULER, ROBERT
Date Reported: 06/01/2017 **Time Reported:** 11:04
Date of Release: 06/01/2017 **Time of Release:** UNKNOWN
Town of Release: WINDSOR **State of Release:** CT
Location of Reported Release: 1985 BLUE HILLS AVE
Reported By: JOSEPH JOHNSON **Phone:** (860) 543-9877 **Ext:**
Representing: EVERSOURCE
Responsible Party: EVERSOURCE **Phone:**
Street Address:
Town: **State:** **Zip Code:**
Does the Responsible Party Accept Financial Responsibility? YES
Release Type: CHEMICAL
Release Substance: ANTIFREEZE
Media: GROUND SURFACE
Total Quantity: ~50 **Gallons** 0 **Cubic Yards** 0 **Cubic Feet** 0 **Drums** 0 **Pounds**
Emergency Measures: Radiator on generator failed, all but one gallon contained in generator shed.
Has the Release Been Terminated?: YES
Type of Waterbody Affected:
Name of Waterbody Affected:
Total Quantity Recovered: 0 **Total Quantity in Water:** 0
Corrective Actions Taken: CONTAINED CONTRACTED
CLEAN HARBORS

Discharge Class: UTILITY
Cause of Incident: HOSE FAILURE
Agencies Notified: DEP DISPATCH
Status: CLOSED

Connecticut Department of Energy and Environmental Protection
Emergency Response and Spill Prevention Division
Emergency Incident Report

Case No.: 2011-02545
Staff Receiving Call: 212 JOHNSTON, ALEXANDER Assigned To: 000 NO RESPONSE
Date Reported: 05/16/2011 Time Reported: 17:14
Date of Release: 05/16/2011 Time of Release: 15:30
Town of Release: WINDSOR State of Release: CT
Location of Reported Release: 1985 BLUE HILLS AVE
Reported By: TOM PETSCHADR Phone: (860) 209-2589 Ext:
Representing: CL&P
Responsible Party: SAA Phone:
Street Address:
Town: State: Zip Code:
Does the Responsible Party Accept Financial Responsibility? YES
Release Type: PETROLEUM
Release Substance: DIESEL FUEL
Media: SURFACE WATER GROUND SURFACE
Total Quantity: 1 Gallons 0 Cubic Yards 0 Cubic Feet 0 Drums 0 Pounds
Emergency Measures: ESI will clean up, booms and vac truck.
Has the Release Been Terminated?: YES
Type of Waterbody Affected: CATCH BASIN
Name of Waterbody Affected: CATCH BASIN
Total Quantity Recovered: 0 Total Quantity in Water: 0
Corrective Actions Taken: CLEANED PUMPED OUT

Discharge Class: UTILITY
Cause of Incident: FUEL TANK FAILURE
Agencies Notified: DEP DISPATCH
Status: CLOSED

Connecticut Department of Energy and Environmental Protection
Emergency Response and Spill Prevention Division
Emergency Incident Report

Case No.: 2019-00729
Staff Receiving Call: 215 SUMMERLIN, STEFFANI Assigned To: 000 NO RESPONSE
Date Reported: 02/14/2019 Time Reported: 15:11
Date of Release: 02/14/2019 Time of Release: UNKNOWN
Town of Release: WINDSOR State of Release: CT
Location of Reported Release: 1985 BLUE HILLS AVE EXT
Reported By: EVERSOURCE Phone: (860) 543-9877 Ext:
Representing: SELF
Responsible Party: Phone:
Street Address:
Town: State: Zip Code:
Does the Responsible Party Accept Financial Responsibility?
Release Type: PETROLEUM
Release Substance: ENGINE OIL
Media: GROUND SURFACE
Total Quantity: 1 Gallons 0 Cubic Yards 0 Cubic Feet 0 Drums 0 Pounds
Emergency Measures: speedy dry
Has the Release Been Terminated?: YES
Type of Waterbody Affected:
Name of Waterbody Affected:
Total Quantity Recovered: 0 Total Quantity in Water: 0
Corrective Actions Taken: SANDED

Discharge Class: UTILITY
Cause of Incident: HOSE FAILURE
Agencies Notified: DEP DISPATCH
Status: CLOSED

Connecticut Department of Energy and Environmental Protection
Emergency Response and Spill Prevention Division
Emergency Incident Report

Case No.: 2010-06851
Staff Receiving Call: 209 WELCH, THOMAS Assigned To: 917 EMANUELSON, BRIAN
Date Reported: 11/15/2010 Time Reported: 12:09
Date of Release: 11/15/2010 Time of Release: UNKNOWN
Town of Release: WINDSOR State of Release: CT
Location of Reported Release: 1985 BLUE HILLS AVENUE EXTENSION
Reported By: CHERYL MACPHERSON Phone: (860) 607-4213 Ext:
Representing: SELF
Responsible Party: Phone:
Street Address:
Town: State: Zip Code:
Does the Responsible Party Accept Financial Responsibility?
Release Type: PETROLEUM
Release Substance: UNKNOWN
Media: GROUND SURFACE
Total Quantity: 0 Gallons 0 Cubic Yards 0 Cubic Feet 0 Drums 0 Pounds
Emergency Measures: believes oil from airplanes is falling on their cars at work.
Has the Release Been Terminated?:
Type of Waterbody Affected: UNKNOWN
Name of Waterbody Affected:
Total Quantity Recovered: 0 Total Quantity in Water: 0
Corrective Actions Taken: NONE

Discharge Class: COMMERCIAL
Cause of Incident: UNKNOWN
Agencies Notified: DEP DISPATCH
Status: CLOSED

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SITE NAME: JDS Uniphase
TOWN: Windsor
FILE TYPE: Enf

February 14, 2002

Mr. Alex Darragh
JDS Uniphase Corporation
Manager, Environmental Health & Safety
1985 Blue Hills Avenue
Windsor, CT 06095

Re: JDS Uniphase Corporation, Comments on response to Notice of Violation WSWDH01223

Dear Mr. Darragh:

As we discussed in our telephone conversation on or about February 11, 2002, I have conducted a review of your response to Notice of Violation (NOV) #WSWDH01223 which was issued to JDS Uniphase Corporation on December 26, 2001. This letter is to reiterate the comments I made during the telephone conversation and inform you of some additional comments I have on the contingency plan. Please see the comments below.

1. Please provide a copy of the human resources job descriptions that relate to hazardous waste management responsibilities. (violation #4)

2. Please provide verification of the training that all of the emergency contacts have received in hazardous waste management. (violation #5)

3. Please provide copies of the inspections that have been conducted from October 19, 2001 to present. (violation #6)

4. Please provide the cover letters sent to the local authorities that received the contingency plan. (violation #8)

5. Please add an up-to-date list of all emergency equipment at the facility, including the location and physical description of each item, along with a brief outline of its capabilities to the contingency plan.

6. Please show an alternate evacuation route on Figure 3A. In addition, the primary evacuation route should be in the legend of the figure. It is recommended that rally points also be identified on the figure.

If you have any questions, please call me at (860) 424-3300.

Sincerely,

Sandra Brunelli,
Environmental Analyst 3
Engineering and Enforcement Division
Bureau of Waste Management

Hcl

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

April 23, 2002

NOV CLOSURE LETTER

SITE NAME: JDS Uniphase
TOWN: Windsor
FILE TYPE: Enf

Mr. Alex Darragh
JDS Uniphase Corporation
Manager, Environmental Health & Safety
1985 Blue Hills Avenue
Windsor, CT 06095

Re: JDS Uniphase Corporation, Notice of Violation WSWDH01223 issued December 26, 2001.

Dear Mr. Darragh:

This letter acknowledges receipt by the Department of Environmental Protection's Bureau of Waste Management's Engineering and Enforcement Division of the certified compliance statement submitted by JDS Uniphase Corporation on January 25, 2002 in response to the above-referenced Notice of Violation.

Staff of the Bureau of Waste Management have completed their review of the compliance statement and the supporting documentation submitted on January 25, 2002 and April 15, 2002. Based upon the representations made in your submittals, it has been decided that no further action by the Department will be taken at this time regarding the violations cited in the Notice. However, if the Department learns that the violations alleged in said Notice have not been fully resolved as represented, or if other violations exist not addressed in said Notice, the Department may take formal enforcement action.

Please contact Sandra Brunelli of my staff at (860) 424-3300 should you have any questions or comments with regard to this correspondence.

Sincerely,

Robert Isner,
Assistant Director
Bureau of Waste Management
Waste Engineering & Enforcement Division

c: Julie Dutton, DEP/WEED

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

December 3, 2001

SITE NAME: JDS Uniphase
TOWN: Windsor
FILE TYPE: CPD

Mr. Alex Darragh
Manager, Environmental, Health & Safety
JDS Uniphase
1985 Blue Hills Avenue
Windsor, CT 06095

RE: DEP, Inspection conducted on October 15th and 22nd, 2001 at JDS Uniphase (1289 Blue Hills Avenue, Bloomfield)

Dear Mr. Darragh:

Enclosed please find a copy of the inspection report prepared by Caren Harder, Field Inspector III of the Department of Environmental Protection, Waste Management Bureau, Engineering and Enforcement Division following her above referenced inspection. This report is currently under review by staff of the Waste Management Bureau's Engineering and Enforcement Division.

Please contact me at 424-3572 if you have any questions concerning the inspection report.

Sincerely,

George Dews

George Dews
Supervising Sanitary Engineer
DEP, Waste Management Bureau
Engineering and Enforcement Division

Enclosure

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0246-EPA-OT

Please refer to Section V. Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the *Resource Conservation and Recovery Act*).

Notification of Regulated Waste Activity

EPA United States Environmental Protection Agency

RECEIVED
Date Received (For Official Use Only)
APR 15 2002
DEP-WASTE MANAGEMENT BUREAU

I. Installation's EPA ID Number *(Mark 'X' in the appropriate box)*

[X] A. Initial Notification [X] B. Subsequent Notification *(Complete Item C)*

C. Installation's EPA ID Number: ~~CTD000023656~~

II. Name of Installation *(Include company and specific site name)*

JDS UNIPHASE CORPORATION

III. Location of Installation *(Physical address not P.O. Box or Route Number)*

Street: 1285 BLUE HILLS AVENUE CTR000522229

Street *(Continued)*:

City or Town: WINDSOR | State: CT | Zip Code: 06095-

County Code: | County Name: HARTFORD

IV. Installation Mailing Address *(See Instructions)*

Street or P.O. Box: SAME

City or Town: | State: | Zip Code: -

V. Installation Contact *(Person to be contacted regarding waste activities at site)*

Name *(Last)*: DARRAGH | *(First)*: ALEX

Job Title: EHS MANAGER | Phone Number *(Area Code and Number)*: 860-731-4522

VI. Installation Contact Address *(See Instructions)*

A. Contact Address Location [ ] Mailing [X]

B. Street or P.O. Box:

City or Town: | State: | Zip Code: -

VII. Ownership *(See Instructions)*

A. Name of Installation's Legal Owner: JDS UNIPHASE CORPORATION

Street, P.O. Box, or Route Number: 1768 AUTOMATION PARKWAY

City or Town: SAN JOSE | State: CA | Zip Code: 95131-

Phone Number *(Area Code and Number)*: 860-731-4522 | B. Land Type: P | C. Owner Type: P | D. Change of Owner Indicator: Yes [ ] No [X] | Date Changed: Month Day Year

EPA Form 8700-12 (Rev. 12/99)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0246-EPA-OT

ID - For Official Use Only

VIII. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to Instructions)*

A. Hazardous Waste Activities

1. Generator (See Instructions)
   - ☐ a. Greater than 1000kg/mo (2,200 lbs.)
   - ☒ b. 100 to 1000 kg/mo (220-2,200 lbs.)
   - ☐ c. Less than 100 kg/mo (220 lbs)
2. Transporter (Indicate Mode in boxes 1-5 below)
   - ☐ a. For own waste only
   - ☐ b. For commercial purposes

Mode of Transportation
- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify

☐ 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions.

4. Exempt Boiler and/or Industrial Furnace
   - ☐ a. Smelting, Melting, and Refining Furnace Exemption
   - ☐ b. Small Quantity On-Site Burner Exemption

☐ 5. Underground Injection Control

B. Universal Waste Activity

☐ Large Quantity Handler of Universal Waste

C. Used Oil Management Activities

1. Used Oil Transporter/Transfer Facility - Indicate Type(s) of Activity(ies)
   - ☐ a. Transporter
   - ☐ b. Transfer Facility
2. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
   - ☐ a. Processor
   - ☐ b. Re-refiner

☐ 3. Off-Specification Used Oil Burner

4. Used Oil Fuel Marketer
   - ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Used Oil Burner
   - ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

IX. Description of Hazardous Wastes *(Use additional sheets if necessary)*

A. Listed Hazardous Wastes. *(See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)*

1	2	3	4	5	6
D001	D002	D008	D018	F002	F003
7	8	9	10	11	12

B. Characteristics of Nonlisted Hazardous Wastes. *(Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24; See instructions if you need to list more than 4 toxicity characteristic waste codes.)*

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic
X	X		X

(List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s))

1	2	3	4
D011			

C. Other Wastes. *(State-regulated or other wastes requiring a handler to have an I.D. number; See instructions.)*

1	2	3	4	5	6
CR02	CR04	CR05			

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Name and Official Title *(Type or print)*	Date Signed
Phillip G Amaya	Phillip G. Amaya General Mgr	28 Mar 2002

XI. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. *(See Section IV of the booklet for addresses.)*

EPA Form 8700-12 (Rev. 12/99)

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No 2050 0028 Expires 12/31/02
GSA No 0246-EPA-OT

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IX. Description of Hazardous Wastes *(Continued; Additional Sheet)*

A. Listed Hazardous Wastes. *(See 40 CFR 261.31 - 33; Use this page only if you need to list more than 12 waste codes.)*

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96

B. Toxicity Characteristic Hazardous Wastes. *(See 40 CFR 261.24; Use this page only if you need to list more than 4 waste codes.)*

5	6	7	8	9	10
11	12	13	14	15	16
17	18	19	20	21	22

EPA United States Environmental Protection Agency

Handler Confirmation Screen

RCRAInfo

J D S UNIPHASE CORP | **WINDSOR** | **CTR000502229**

Last Updated By: IAJ

Last Updated On. **4/15/2002 1:09:40 PM**

The following information was processed:

General Information:

Source	Received Date	Non-notifier	Extract Flag	Acknowledgement Flag	Acknowledgement Date
N	4/15/2002		X	Y	

III. Location of Installation (Physical address not P.O. Box or Route)

Number:	Street1:	Street2.	City:	State·	Zip code·	County.	State District:
1985	BLUE HILLS AVE		WINDSOR	CT	06095	HARTFORD	

IV. Installation Mailing address

Number.	Street1:	Street2:	City·	State:	Zip code·
1985	BLUE HILLS AVE		WINDSOR	CT	06095

V. Installation Contact (Person to be contacted regarding waste activities at site):

First Name:	Last Name:	Job Title:	Phone Number:
ALEX	DARRAGH	EHS MGR	8607314522

VI. Installation Contact Address:

Street1/P.O. Box:	Street2/P.O. Box:	City:	State:	Zip code:
1985 BLUE HILLS AVE		WINDSOR	CT	06095

VII. Ownership:

Owner No.:	Name of Legal Owner:	Street1 or P.O. Box:	Street2 or P.O. Box:	City.	State.	Zip code:	Phone Number:	Land Type:	Owner Type:	Change Date:
	J D S UNIPHASE CORP	1768 AUTOMATION PKW		SAN JOSE	CA	95131	8607314522	P	P	

VIII. Type of Federal Regulated Waste Activity:

A. Hazardous Waste Activity

	Type	Federally Regulated	Federal Description	State Regulated	State Description
Generator	2	R			

Transporter					
Mode of Transportation	Air	Rail	Highway	Water	Other
Treater, Storer, Disposer					
Hazardous Waste Fuel					
Other Activity (ies)		Underground Injection Control			
B. Universal Waste Activity:					
C. Used Oil Management Activities:					
1. Used Oil Fuel Marketer					
		Marketer Directs Shipment of Used Oil to Off-Specification Burner			
		Marketer Who First Claims the Used Oil Meets the Specifications			
2. Used Oil Transporter Activity					
3. Used Oil Processor/Re-refiner Activity					
4. Off-Specification Used Oil Burner					

Type D	Type F	Type K	Type P	Type U	Type X
D001	F002				CR02
D002	F003				CR04
D008					CR05
D011					

X. Comments:

Continue

URL: /Handler/Hand_Notif_addupd_rtn.asp



JDS Uniphase Corporation
1985 Blue Hills Avenue Extension
Windsor, CT
06095 USA

Tel 860 731-4000
www.jdsuniphase.com

CEIVED
JAN 25 2002
SITE NAME: JDS Uniphase
TOWN: Windsor
FILE TYPE: Enf

January 25, 2002

Ms. Sandra Brunelli
Bureau of Waste Management
CTDEP
79 Elm Street
Hartford, CT 06106-5127

Re: Notice of Violation #WSWDH01223

Dear Ms. Brunelli:

Please find Compliance Statements in response to the 10 violations identified in the Notice of Violation #WSWDH01223 issued December 26, 2001.

Please feel free to contact me at 860.731.4522 with any questions.

Sincerely,

Alex H. Darragh
JDS Uniphase Corporation

enclosure

Certification of Accuracy

I certify that the information in this Compliance Statement and any attachments thereto are true, accurate and complete, and I understand that any false statement may be punishable as a criminal offense under Connecticut General Statutes Section 22a-6 and 53a-157.

1-26-02
Date

[signature]
Signature

860.731.4522
Telephone

Alex Darragh, EHS Manager
(Type name and Title)

985 Blue Hills Ave., Windsor, CT 06095
Address

_____
Date

SAME
Preparer's Signature, if different than the above

_____
Telephone

_____
(Type name and Title)

_____
Address

Violation 1: Hazardous Waste Determinations not conducted for NMP, Iodine Gold Etch, Gold Sulfite, Silver Solution, Activator, Reducer Solution, and Red Silver

Corrections: A Waste Determination is enclosed with this report for each waste except the Gold Sulfite. The Gold Sulfite is being analyzed by Analytical Consulting Technology. Results will be forwarded to Ms. Sandra Brunelli when obtained. The Silver Solution and Activator were combined into one profile.

UNITED
INDUSTRIAL
SERVICES
DIVISION OF UNITED OIL RECOVERY INC.

14 WEST MAIN STREET
P.O. BOX 902 MERIDEN CT 06450-0902
TELEPHONE (203) 238-6745

"An Equal Opportunity Employer"

October 26, 2001

JOHN LOMBARD
JDS UNIPHASE CORPORATION
1768 AUTOMATION PARKWAY
SAN JOSE, CA 95131

Dear: JOHN LOMBARD

The following are approved waste streams at United Oil Recovery, Inc. and/or Bridgeport United Recycling, Inc.

Approval Code	Generator/Material
3785CN1	JDS UNIPHASE / N-METHYL PYRROLIDONE NMP

United Oil Recovery, Inc. has the capacity and the permits to treat these types of waste. If you or your customers would like to witness the capabilities of our facility, please feel free to contact me at (203) 238-6745. Please contact your account coordinators at (888) 276-0885, to schedule or if you have any questions regarding your waste stream. Thank you for considering our facility for your treatment and recycling needs.

Sincerely,

William Morris
Environmental Director

WM/dc

UNITED OIL RECOVERY, INC. - LABORATORY ANALYSIS REPORT

LAB/PROFILE NUMBER 3785 DATE REC'D 10/19/01 RECEIVING LAB MERIDEN

GENERATOR NAME JDS UNIPHASE Sent To Rec'd From

SALESPERSON/DRIVER BILL COWLES UOR

BROKER QTY/FREQUENCY BUR

15 GL DRUM CTL

NORLITE

DATE SAMPLE ANALYZED ANALYST MVC DRUM GROUP 1

****

pH	NA	BTUs/LB	11,600	HALOGENS	100		
SPECIFIC GRAVITY		GLYCOL TEST	NA	FLASH POINT	>200° F		
		CHROMIUM	ND	BS W	BREAK	PRICE	
PHENOLS		SILVER	ND	% OIL			
AMMONIA		COPPER	ND	%RAG			
SULFIDES		LEAD	ND	%WATER			
CYANIDE		IRON	ND	%SEDIMENT			
PCBs	ND<2	NICKEL	ND	% Solvent	100		85.00/drum
		CADMIUM	ND			TOTAL	85.00/drum
		ZINC	ND				

Print Record

SAMPLE DESCRIPTION

YELLOW SPENT N-METHYL PYRROLIDONE

REMARKS

RECEIVING FACILITY(IES):

CT

MA

NH

NY

All

All analyses are done according to standard EPA protocols. If you have any questions, please feel free to call us at (203) 238-6745.

Client : UOR	**Date Reported: 10/29/01**
Lab Number :	**Analyst : M.D**
PO Number :	**Date Received: 10/26/01**

EPA METHOD 8015

Matrix Type : Solvent
Field ID : 01-3785

	MDL	Results
Methyl Ethyl Ketone	**100**	**BDL**
Methyl Isobutyl Ketone	**100**	**BDL**
Ethyl Ether	**200**	**BDL**
Ethanol	**100**	**BDL**
1-Butanol	**200**	**BDL**
Acetone	**200**	**BDL**

MDL = Minimum Detectable Level / BDL = Below Detection Level / Unit = PPM

BRIDGEPORT ANALYTICAL LABORATORY, INC.
50 CROSS STREET
BRIDGEPORT CT 06610
(203) 238-6754
CT Certification No. PH-0165

Client : UOR Lab Number : Manifest # :	Date Reported : 10/26/01 Analyst : M.D Date Received : 10/29/01

EPA METHOD 8020
Matrix Type : Solvent
Field ID : 01-3785

Compounds	MDL	RESULTS
Benzene	10	BDL
Toluene	10	BDL
Chlorobenzene	10	BDL
Ethylbenzene	10	BDL
14- Dichlorobenzene	10	BDL
13- Dichlorobenzene	10	BDL
12- Dichlorobenzene	10	BDL
MTBE	10	BDL
M&P-xylene	10	BDL
O-xylene	10	BDL

MDL - Minimum Detectable Level / BDL = Below Detection Level / Unit = PPM

BRIDGEPORT ANALYTICAL LABORATORY, INC.
50 CROSS STREET
BRIDGEPORT CT 06610
(203) 334-1666
CT Certification No. PH-0165

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

UOR USE ONLY
New / Update
Profile # 3785C.N1
Sample Arrival Date

WASTE STREAM PROFILE SHEET

GENERATOR

Site Name	JDS UNIPHASE
Address	1289 BLUEHILLS AVE
	Bloomfield CT 06002
Mailing Name	
Address	
Technical Contact	DONALD SIENKIEWICZ
Phone #	(860) 731-4824
Shipping Contact	SAME
Phone #	SAME
EPA ID #	CTP000024253

BROKER / SALESPERSON

Name	Ref #
Address	
Contact	Phone #

TRANSPORTER

Name	UNITED INDUSTRIAL SERVICE
Address	
Contact: Bill Coutes	Phone # (203) 238-6745
EPA ID #	

WASTE DESCRIPTION

Chemical & Physical State: ☐ Liquid ☐ Semi-Liquid ☐ Solids
pH: ☐ Multilayered ☐ Bilayered ☐ Single Phase ☐ 2-4 ☐ 4-6 ☐ 6-8 ☐ 8-10 ☐ 10-12 ☐ >12

Odor Mild | Flash Point > 200 | % Oil — | % Bottom Sediment —
TSS — | Heat Value (BTU/lb) 11600 | % Interface — | Specific Gravity —
Color Lite Yellow >5020 | % ~~Water~~ Solvent 100%

Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

Spent N-Methyl Pyrrolidone with Trace Amounts of Titanium, used to remove Titanium from Fabricated wafers.

(N-Methyl Pyrrolidone)

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)
PCBs	NS	ND<2
Halogens		100
Solvents		
Arsenic (As)		
Cadmium (Cd)		
Chromium (Cr)		
Lead (Pb)		

Aqueous Phase	Suspected Levels	Actual Levels (UOR use only)
Copper (Cu)	NS	ND
Cadmium (Cd)		
Chromium (Cr)		
Lead (Pb)		
Nickel (Ni)		
Silver (Ag)		
Zinc (Zn)		

	Suspected Levels	Actual Levels (UOR use only)
Selenium (Se)	NS	
Mercury(Hg)		
Cyanide (CN^-)		
Iron (Fe)		
pH	NA	
Phenols	NS	

This waste is:
☐ RCRA Listed
☐ State Regulated
☐ Non-Regulated
☐ Virgin Material

RCRA Number(s)
State Number CR04

Notes & special handling information

Please list Specific Solvents:
N-Methyl Pyrrolidone

SHIPPING INFORMATION

DOT Hazard Class / Packing Group ~~Combustible Liquid~~
DOT Shipping Name ~~Combustible Liquid, N.O.S.~~ (N-Methyl Pyrrolidone)
Additional Description State Regulated Waste

☐ DOT Regulated ☐ Non-Regulated
UN/NA Number 1993 None
Amount of Waste / Shipment (gals.) 1 x 15 Gallon
Frequency of Shipment Onum

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approval is obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default of payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature Donald Sienkiewicz Title EHS Engineer Date 1-3-18-01

FACILITY USE ONLY

Rec'd on	Rec'd By
Sample Container	
Approved By	1/9/2018
Comments	
M	B

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved OMB No 2050 0028 Expires 12/31/02
GSA No 0246 EPA-OT

Please refer to Section V, Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the *Resource Conservation and Recovery Act*)

Notification of Regulated Waste Activity

EPA United States Environmental Protection Agency

Date Received (For Official Use Only)

I. Installation's EPA ID Number *(Mark 'X' in the appropriate box)*

A. Initial Notification [ ]
B. Subsequent Notification [X] *(Complete item C)*

C. Installation's EPA ID Number: CTP000002453

II. Name of Installation *(Include company and specific site name)*

JDS UNIPHASE CORPORATION

III. Location of Installation *(Physical address not P.O. Box or Route Number)*

Street: 1289 BLUE HILLS AVENUE

Street *(Continued)*:

City or Town: BLOOMFIELD | State: CT | Zip Code: 06002-

County Code: | County Name: HARTFORD

IV. Installation Mailing Address *(See instructions)*

Street or P.O. Box: 1985 BLUE HILLS AVENUE

City or Town: WINDSOR | State: CT | Zip Code: 06095-

V. Installation Contact *(Person to be contacted regarding waste activities at site)*

Name *(Last)*: DARRAGH | *(First)*: ALEX

Job Title: EHS MANAGER | Phone Number *(Area Code and Number)*: 860-731-4522

VI. Installation Contact Address *(See instructions)*

A. Contact Address Location [ ] Mailing [X]

B. Street or P.O. Box:

City or Town: | State: | Zip Code: -

VII. Ownership *(See instructions)*

A. Name of Installation's Legal Owner: JDS UNIPHASE CORPORATION

Street, P.O. Box, or Route Number: 1768 AUTOMATION PARKWAY

City or Town: SAN JOSE | State: CA | Zip Code: 95131-

Phone Number *(Area Code and Number)*: 860-731-4522

B. Land Type: P

C. Owner Type: P

D. Change of Owner Indicator: Yes [ ] No [X]

Date Changed Month Day Year:

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved OMB No 2050 0028 Expires 12/31/02
GSA No 0246 EPA OT

ID-For Official Use Only

VIII. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes Refer to Instructions)*

A. Hazardous Waste Activities

1. Generator (See Instructions)
   - ☐ a Greater than 1000 kg/mo (2,200 lbs.)
   - ☒ b. 100 to 1000 kg/mo (220-2,200 lbs.)
   - ☐ c. Less than 100 kg/mo (220 lbs)
2. Transporter (Indicate Mode in boxes 1-5 below)
   - ☐ a. For own waste only
   - ☐ b. For commercial purposes

Mode of Transportation
- ☐ 1. Air
- ☐ 2. Rail
- ☐ 3. Highway
- ☐ 4. Water
- ☐ 5. Other - specify

☐ 3. Treater, Storer, Disposer (at Installation) Note: A permit is required for this activity, see instructions.

4. Exempt Boiler and/or Industrial Furnace
   - ☐ a. Smelting, Melting, and Refining Furnace Exemption
   - ☐ b. Small Quantity On-Site Burner Exemption
5. ☐ Underground Injection Control

C. Used Oil Management Activities

1. Used Oil Transporter/Transfer Facility - Indicate Type(s) of Activity(ies)
   - ☐ a. Transporter
   - ☐ b. Transfer Facility
2. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
   - ☐ a. Processor
   - ☐ b. Re-refiner
3. ☐ Off-Specification Used Oil Burner
4. Used Oil Fuel Marketer
   - ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Used Oil Burner
   - ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

B. Universal Waste Activity

☐ Large Quantity Handler of Universal Waste

IX. Description of Hazardous Wastes *(Use additional sheets if necessary)*

A. Listed Hazardous Wastes. *(See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)*

1	2	3	4	5	6
D001	D002	D007	D011	D021	F002
7	**8**	**9**	**10**	**11**	**12**
F003					

B. Characteristics of Nonlisted Hazardous Wastes. *(Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24; See instructions if you need to list more than 4 toxicity characteristic waste codes.)*

1. Ignitable (D001)	2. Corrosive (D002)	3 Reactive (D003)	4 Toxicity Characteristic	(List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s)) 1	2	3	4
X	X		X	D007	D011		

C. Other Wastes. *(State-regulated or other wastes requiring a handler to have an I.D. number; See instructions.)*

1	2	3	4	5	6
CR02	CR04	CR05			

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Name and Official Title *(Type or print)*	Date Signed
Phillip G Amaya	Phillip G. Amaya General Manager	25 Jan 2002

XI. Comments

Note. Mail completed form to the appropriate EPA Regional or State Office. *(See Section IV of the booklet for addresses.)*

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No 2050-0028 Expires 12/31/02
GSA No 0246-EPA-OT

ID-For Official Use Only

IX. Description of Hazardous Wastes *(Continued; Additional Sheet)*

A. Listed Hazardous Wastes. *(See 40 CFR 261.31 - 33; Use this page only if you need to list more than 12 waste codes.)*

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96

B. Toxicity Characteristic Hazardous Wastes. *(See 40 CFR 261.24; Use this page only if you need to list more than 4 waste codes.)*

5	6	7	8	9	10
11	12	13	14	15	16
17	18	19	20	21	22

EPA Form 8700-12 (Rev. 12/99)

Violation 3: Failed to file a biennial report

Correction: A copy of the 2001 Hazardous Waste Report has been obtained. The report will be completed and filed prior to the March 1, 2002 deadline. A copy of the report will be forwarded to Ms. Sandra Brunelli.

Violation 4: Failed to maintain job titles, employee names, and job descriptions relating to hazardous waste management responsibilities

Correction: The following is the list of employees that have hazardous waste responsibilities. The job descriptions are included in the HR job description for each individual.

Alex Darragh, EHS Manager: Ensures compliance with all applicable regulations. Fills the roll of the Emergency Coordinator. Ensures all required training is conducted.

Jeff Crandall: Director of Facilities and Special Projects: Fills the roll of the Alternate Emergency Coordinator.

Brenda Malloy, EHS Technician: Audits and maintains hazardous waste storage areas. Transfers hazardous waste from satellite accumulation areas to the hazardous waste storage area. Labels hazardous waste containers.

John Lombard: Facilities Manager: Maintains hazardous waste storage areas. Transfers hazardous waste from satellite accumulation areas to hazardous waste storage area. Labels hazardous waste containers.

Violation 5: Failed to conduct personnel training for employee who has hazardous waste management responsibilities. Specifically, Kevin Bantle listed as an emergency contact but had not received training.

Correction: Mr. Bantle is no longer listed as an emergency contact in the Hazardous Waste Contingency Plan. All emergency contacts listed in the Hazardous Waste Contingency Plan have received the required training.

Violation 6: Failed to record inspections of the hazardous waste storage area on a weekly basis.

Correction: Weekly inspections began as of the week of the initial DEP visit (October 19, 2001). A copy of our inspection log is enclosed with this report.

Hazardous Waste Storage Area Weekly Inspection

Instructions *Please use ink Please provide a description of identified problems Immediate corrective action is required for identified problems The date and description of corrective actions must be recorded This log must be kept for at least 3 years from the date of inspection These inspection logs will be made available to DEP inspectors*

Storage Area:_____ **Date:**_____ **Person Inspecting Area:**_____
Time:_____

Condition	Yes	No	Observation/Problem	Corrective Action	Date Corrected
Are all containers closed?					
Are all containers in GOOD condition (NOT leaking, rusted, bulging or in otherwise poor condition?)					
Are all containers labeled?					
Does the label include the words "Haz Waste" and the Chemical Name?					
Are all labels legible and visible for inspection?					
Are all containers marked with accumulation start dates?					
Are dates less than 180 days?					
Is the amount of wastes on-site less than 1000 kgs (2200 lbs)?					
Is there adequate aisle space?					
Are containers stored on an impermeable base that is bermed?					
Are the base and berm free of gaps, cracks and damage?					
Is the base free of spills, leaks or other accumulation?					
Are incompatible materials separated by a wall or berm?					
Is emergency equipment present and in good condition? (spill response materials, fire extinguishers)					

Additional Comments:

Violation 7: Failed to provide secondary containment for hazardous waste storage area

Correction: Secondary storage was purchased and implemented between Ms. Caren Harder's October 15, 2001 and October 22, 2001 visits. Ms. Harder verified implementation of secondary storage on her October 22, 2001 visit.

Violation 8: Failed to submit contingency plan to local authorities.

Correction: The enclosed Hazardous Waste and Spill Prevention and Containment Plan has been mailed to the following local authorities:

Windsor Police Department
Bloomfield Police Department
Windsor Fire Department
Bloomfield Fire Department
Saint Francis Hospital
United Industrial Services

Violation 9: Failed to provide a Contingency Plan that lists the current names, addresses, and phone numbers of the people qualified to act as the Emergency Coordinator.

Correction: The updated Contingency Plan is enclosed.

Violation 10: Failed to provide a Contingency Plan that includes a brief outline of the capabilities of all the emergency equipment at the facility and an alternate evacuation route.

Correction: The enclosed updated Contingency Plan includes the location and capabilities of emergency equipment. Primary and alternative evacuation routes are shown on the facility floor plans.



JDS Uniphase Corporation
1985 Blue Hills Avenue Extension
Windsor, CT
06095 USA

Tel 860 731-4000
www.jdsuniphase.com

SITE NAME: JDSuniphase
TOWN: Windsor
FILE TYPE: Enf

RECEIVED
APR 15 2002
DEP-WASTE MANAGEMENT BUREAU
WASTE ENGINEERING & ENFORCEMENT

April 15, 2002

Ms. Sandra Brunelli
Bureau of Waste Management
CTDEP
79 Elm Street
Hartford, CT 06106-5127

Re: Notice of Violation #WSWDH01223

Dear Ms. Brunelli:

Please find Compliance Statements in response to your letter responding to our initial response to Notice of Violation #WSWDH01223 issued December 26, 2001.

Please feel free to contact me at 860.731.4522 with any questions.

Sincerely,

Alex H. Darragh
JDS Uniphase Corporation

enclosure

Comment 1 – Please provide a copy of the human resources job descriptions that relate to hazardous waste management responsibilities. (Violation #4)

Correction: Please see the job descriptions for Alex Darragh (3382-3385), Jeff Crandall (3301-3306), John Lombard (3301-3306), and Brenda Malloy (9301-9305). These are the four people with hazardous waste management responsibilities.

RECEIVED
APR 15 2002
DEP-WASTE MANAGEMENT BUREAU
ASTE ENGINEERING & ENFORCEMENT

RADFORD BENCHMARK SALARY SURVEY
JOB DESCRIPTIONS

FUNCTIONAL:	Finance and Administration	**CATEGORY:**	Exempt/Supervisory
SUBFUNCTIONAL:	Facilities	**PUBLICATION DATE:**	January 1999

SURVEY JOB CODE	SURVEY JOB TITLE	COMPANY JOB TITLE	COMPANY JOB CODE
3382	Environmental Health & Safety Mgmt 2	_____	_____
3383	Environmental Health & Safety Mgmt 3	_____	_____
3384	Environmental Health & Safety Mgmt 4	_____	_____
3385	Environmental Health & Safety Mgmt 5	_____	_____

PRIMARY RESPONSIBILITY

Manages the development, planning and implementation of environmental health and safety policies and procedures within the company. Ensures compliance with federal, state and local regulations pertaining to environmental safety and handles all contact with appropriate agencies. Develops and oversees company training programs for employees in areas such as hazardous material handling, emergency response, industrial hygiene and life safety. Ensures appropriate corrective action is taken where health and safety hazards exist. May provide/promote employee awareness/training on matters of health and safety. Fills the roll of the Emergency Coordinator.

Note: In some organizations, facility security is also a part of this employee's responsibility. If safety is the only area of focus match to ***Safety/Security Management (3361 - 3364)***.

LEVELING REQUIREMENTS

Level 2: Receives assignments in the form of objectives with goals and process to meet goals outlined. Provides direction to employees according to established policies and management guidance. Work is reviewed by management to measure meeting of objectives. Administers company policies that directly affect subordinate employees. Recommends changes to unit or sub-unit policies. Erroneous decisions or failure to achieve results will cause delays in schedules. Frequently interacts with subordinate supervisors, outside customers and functional peer groups at management levels. Interaction normally requires the ability to gain cooperation of others, conducting presentations of technical information concerning specific projects/schedules, etc. Provides general supervision to lower level supervisors and direct supervision to exempt employees and/or skilled nonexempt employees (i.e., safety clerks, guards).

Level 3: Receives assignments in the form of objectives and establishes goals to meet objectives. Provides guidance to subordinates to achieve goals in accordance with established policies. Work is reviewed and measured based on meeting objectives and schedules. Establishes and recommends changes to policies which affect subordinate organization(s). Erroneous decisions or failure to achieve goals results in additional costs and personnel, and serious delays in overall schedules. Frequently interacts with subordinate supervisors, customers and/or functional peer group managers. May interact with senior management. Interactions normally involve matters between functional areas, other company divisions or units, or customers and the company. Manages, through subordinate supervisors, the coordination of activities of a section or department with responsibility for results in terms of costs, methods, and employees. In some instances this manager may be responsible for a functional area and may not have subordinate employees.

Alex Darragh

RADFORD BENCHMARK SALARY SURVEY
JOB DESCRIPTIONS

Level 4: Establishes operational objectives and assignments, and delegates assignments to subordinate managers. Objectives are reviewed by senior management to determine success of operation Involved in developing, modifying, and executing company policies which affect immediate operation(s) and may also have company-wide effect Erroneous decisions will result in critical delay(s) in schedules and/or unit operations and may jeopardize overall business activities. Regularly interacts with senior management or executive levels on matters concerning several functional areas, divisions and/or customers. Requires the ability to change the thinking of, or gain acceptance of, others in sensitive situations. Manages activities of two or more sections or departments through subordinate managers who exercise full supervision in terms of costs, methods, and employees In some instances this manager may be responsible for managing staff function and may not have subordinate managers

Level 5: Participates with other senior managers to establish corporate strategic plans and objectives. Makes final decisions on administrative or operational matters and ensures effective achievement of operation's objectives. Erroneous decisions will have a serious impact on the overall success of functional, division, or company operations. Regularly interacts with executives and/or major customers Interactions normally involve controversial situations, customer negotiations, or influencing and persuading other senior level managers. Directs and controls the activities of a broad functional area through several department managers within the company having overall responsibility for planning, budgeting, implementing and maintaining costs, methods, and employees.

RADFORD BENCHMARK SALARY SURVEY
JOB DESCRIPTIONS

FUNCTIONAL:	Finance and Administration	**CATEGORY:**	Exempt/Supervisory
SUBFUNCTIONAL:	Facilities	**PUBLICATION DATE:**	January 1998

SURVEY JOB CODE	SURVEY JOB TITLE	COMPANY JOB TITLE	COMPANY JOB CODE
3301	Facilities Mgmt 1	_____	_____
3302	Facilities Mgmt 2	_____	_____
3303	Facilities Mgmt 3	_____	_____
3304	Facilities Mgmt 4	_____	_____
3305	Facilities Mgmt 5	_____	_____
3306	Facilities Mgmt 6	_____	_____

PRIMARY RESPONSIBILITY

Responsible for managing the design, planning, construction and maintenance of equipment, machinery, buildings, and other facilities. Plans, budgets and schedules facility modifications, including estimates on equipment, labor, materials and other related costs. Oversees the coordination of building space allocation and layout, communication services and facilities expansion. May have responsibility for establishing and overseeing health and safety standards. May fill the roll of the Alternate Emergency Coordinator. May maintain hazardous waste storage areas. May transfer hazardous waste from satellite accumulation areas to hazardous waste storage area. May label hazardous waste containers.

LEVELING REQUIREMENTS

Level 1: Receives predetermined work assignments with specific instructions. Directs subordinates to achieve assignments using established guidelines, procedures, and policies. Erroneous decisions or failure to achieve results may cause delays in schedules. Interacts daily with subordinates and/or functional peer groups. Interaction normally involves exchange or presentation of factual information. Provides immediate supervision to a unit or group of employees, assigning tasks and checking work at frequent intervals. A portion of time is normally spent performing individual tasks related to the unit or sub-unit. Generally supervises semi-skilled nonexempt employees (i.e., maintenance helpers).

Level 2: Receives assignments in the form of objectives with goals and process to meet goals outlined. Provides direction to employees according to established policies and management guidance. Work is reviewed by management to measure meeting of objectives. Administers company policies that directly affect subordinate employees. Recommends changes to unit or sub-unit policies. Erroneous decisions or failure to achieve results will cause delays in schedules. Frequently interacts with subordinate supervisors, outside customers and functional peer groups at management levels. Interaction normally requires the ability to gain cooperation of others, conducting presentations of technical information concerning specific projects/schedules, etc. Provides general supervision to lower level supervisors and direct supervision to exempt employees and/or skilled nonexempt employees (i.e., maintenance technicians).

Jeff Crandall & John Lombard

RADFORD BENCHMARK SALARY SURVEY
JOB DESCRIPTIONS

Level 3: Receives assignments in the form of objectives and establishes goals to meet objectives. Provides guidance to subordinates to achieve goals in accordance with established policies. Work is reviewed and measured based on meeting objectives and schedules Establishes and recommends changes to policies which affect subordinate organization(s). Erroneous decisions or failure to achieve goals results in additional costs and personnel, and serious delays in overall schedules. Frequently interacts with subordinate supervisors, customers and/or functional peer group managers. May interact with senior management. Interactions normally involve matters between functional areas, other company divisions or units, or customers and the company Manages, through subordinate supervisors, the coordination of activities of a section or department with responsibility for results in terms of costs, methods, and employees In some instances this manager may be responsible for a functional area and may not have subordinate supervisors/employees.

Level 4: Establishes operational objectives and assignments and delegates assignments to subordinate managers. Objectives are reviewed by senior management to determine success of operation Involved in developing, modifying and executing company policies which affect immediate operation(s) and may also have company-wide effect Erroneous decisions will result in critical delay(s) in schedules and/or unit operations and may jeopardize overall business activities. Regularly interacts with senior management or executive levels on matters concerning several functional areas, divisions, and/or customers Requires the ability to change the thinking of, or gain acceptance of, others in sensitive situations. Manages activities of two or more sections or departments through subordinate managers who exercise full supervision in terms of costs, methods and employees. In some instances this manager may be responsible for managing staff function and may not have subordinate managers.

Level 5: Participates with other senior managers to establish corporate strategic plans and objectives Makes final decisions on administrative or operational matters and ensures operation(s) effective achievement of objectives. Erroneous decisions will have a serious impact on the overall success of functional, division, or company operations. Regularly interacts with executives and/or major customers. Interactions normally involve controversial situations, customer negotiations, or influencing and persuading other senior level managers Directs and controls the activities of a broad functional area through several department managers within the company having overall responsibility for planning, budgeting, implementing and maintaining costs, methods and employees.

Level 6: Develops corporate and/or organizational policies and authorizes their implementation Provides general direction to and review of senior managers in various areas, groups, and/or operations. Erroneous decisions will have a long term effect on the company's success. Interacts internally and externally with executive level management requiring negotiation of extremely difficult matters to influence policy making bodies both internally and externally. Directs and controls the activities of one or more functional areas, divisions, product groups, or service groups, etc. through senior managers with overall responsibility for the direction of those assigned areas

RADFORD BENCHMARK SALARY SURVEY
JOB DESCRIPTIONS

FUNCTIONAL:	Finance and Administration	**CATEGORY:**	Nonexempt*
SUBFUNCTIONAL:	Facilities	**PUBLICATION DATE:**	January 1998

SURVEY JOB CODE CODE	SURVEY JOB TITLE	COMPANY JOB TITLE	COMPANY JOB
9301	Maintenance Mechanic 1	_____	_____
9302	Maintenance Mechanic 2	_____	_____
9303	Maintenance Mechanic 3	_____	_____
9304	Maintenance Mechanic 4	_____	_____
9305	Maintenance Mechanic 5	_____	_____

PRIMARY RESPONSIBILITY

Responsible for the maintenance and repair of the facility's structure, equipment and grounds, including plumbing, electrical and HVAC. Performs trades work, such as carpentry or painting in the construction, repair or alteration of structures such as walls, roofs or office fixtures. Works with manufacturing or process engineering in the installation or repair of building plumbing and wiring required in the production process. Makes periodic or special inspections of the premise to determine repair work necessary. Works from blueprints, drawings or rough sketches. Audits and maintains hazardous waste storage areas. Transfers hazardous waste from satellite accumulation areas to the hazardous waste storage area. May label hazardous waste containers.

LEVELING REQUIREMENTS

Entry Level: Works on assignments that are routine in nature where limited judgment is required. Normally receives detailed instructions on all work. Requires a working knowledge of shop math, ability to read and write, and use simple tools or gauges.

Intermediate Level: Works on assignments that are semi-routine in nature where ability to recognize deviation from accepted practice is required. Normally receives general instructions on routine work, detailed instructions on new assignments. Requires experience in the maintenance trades, formal apprenticeship or on-the-job training, a working knowledge of shop math, the ability to read and write and utilize tools and measuring instruments.

Senior Level: Works on assignments that are moderately complex in nature where judgment is required in resolving problems and making routine recommendations. Normally receives no instruction on routine work, general instructions on new assignments. Requires experience in the maintenance trades, trade knowledge in a specialized field or process and ability to read, write, and utilize complicated drawings, mathematics, handbook formulas, tools, and a variety of precision measuring instruments.

Highly Skilled Level: Works on assignments that are complex in nature where considerable judgment and initiative are required in resolving problems and making recommendations. May determine methods and procedures on new assignments and may provide guidance to other nonexempt personnel. Requires experience in the maintenance trades, broad trade knowledge and ability to utilize complicated drawings and specifications, advanced mathematics, tools, and a variety of precision measuring instruments.

Brenda Malloy

RADFORD BENCHMARK SALARY SURVEY
JOB DESCRIPTIONS

* ***Specialist Level:*** Works on assignments that are extremely complex in nature where independent action and a high degree of initiative are required in resolving problems and developing recommendations Acts independently to determine methods and procedures on new assignments and may supervise the activities of other nonexempt employees. Requires experience in maintenance trades, broad trade knowledge and ability to utilize complicated drawings and specifications, advanced mathematics, tools, and a variety of precision measuring instruments. *This job has been placed in a nonexempt category for orientation purposes only and may be classified exempt in your company. The placement in a nonexempt category should not be considered a recommendation. Companies should use the FLSA tests and other factors to determine overtime status.*

Comment 2 – Please provide verification of the training that all of the emergency contacts have received in hazardous waste management. (Violation #5)

Correction: Please see the documentation of hazardous waste management training for the emergency contacts.

ANALYTICAL CONSULTING TECHNOLOGY, INC

Certified Laboratory

US EPA CT-021
CT PH-0518
RI A026

80 Turnpike Drive, Middlebury, CT 06762 • (203) 598-0040 • Fax (203) 598-0022

JDS Uniphase Corporation
Alex Darragh
9185 Blue Hills Ave. Ext.
Windsor, CT 06095

Report Date: 01/08/2002

ACT Number: 2001120009 - 1
Sample Type: Grab
Collected by: Client
Location: Iodine ETZH Potassium Iodine Gold Etch
Sample ID:

Sample Date: 12/01/2001
Sample Time: 12:00:

Date Received: 12/03/2001
Project number
Sample Matrix: Liquid

Laboratory Test	Result	Units	Method	Analysis Date	Analyst
Inorganic					
Corrosivity	not corrosive	s.u	EPA 150.1	12/03/2001 04:00:00 PM	EAG
Flashpoint	168	°F	SW846-1030	12/26/2001 04:00:00 PM	EAG
Reactivity-Cyanide	Negative	mg/L	SW846-9010	12/10/2001 10:00:00 AM	EAG
Reactivity-Sulfide	Negative	mg/L	SW846-9030	12/10/2001 10:00:00 AM	EAG
TCLP Volatiles					
1,1 Dichloroethylene/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
1,2 Dichloroethane/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
1,4 Dichlorobenzene/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Benzene/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Carbon Tetrachloride/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Chlorobenzene/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Chloroform/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Methyl ethyl ketone/TCLP	<2500	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Tetrachloroethylene/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Trichloroethylene\TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD
Vinyl Chloride/TCLP	<100	ug/L	SW846-8021	01/06/2002 07:19:13 AM	SD

ANALYTICAL
CONSULTING
TECHNOLOGY, INC

80 Turnpike Drive, Middlebury, CT 06762 • (203) 598-0040 • Fax (203) 598-0022

2001120009

For Analytical Consulting Technology, Inc _____
Laboratory Director

FROM : Scott Boucher United Ind FAX NO. : 1-860-774-3066 Dec. 12 2001 04:19PM P3

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

UOR USE ONLY
New / Update
Profile #
Sample Arrival Date

WASTE STREAM PROFILE SHEET

GENERATOR
Site Name: JDS Uniphase
Address: 43 Griffin Rd South, Bloomfield, CT 06002
Mailing Name: JDS Uniphase
Address: 1985 Bloehills Ave Ext. Windsor, CT 06095
Technical Contact: Brenda Malloy
Phone #: 860-731-9028
Shipping Contact:
Phone #:
EPA ID #: CTP000024390

BROKER / SALESPERSON
Name: Ref #:
Address:
Contact: Phone #:

TRANSPORTER
Name: United Industrial Services
Address: 14 West Main St. Meriden, CT 06451
Contact: Scott Boucher Phone #: (203) 238-6245
EPA ID #:

WASTE DESCRIPTION

Chemical & Physical State: (●) Liquid ○ Semi-Liquid ○ Solids ○ Multilayered ○ Bilayered (●) Single Phase
pH: ○ 2-4 (●) 8-10 ○ 4-6 ○ 10-12 ○ 6-8 ○ >12

Odor: None Flash Point: None % Oil: % Bottom Sediment:
TSS: <1% Heat Value (BTU/lb): None % Interface: Specific Gravity:
Color: Clear % Water:

Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below:
No Sample

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

Chemical Lab Pack

Silver Solution & Reducer Solution

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)	Aqueous Phase	Suspected Levels	Actual Levels (UOR use only)		Suspected Levels	Actual Levels (UOR use only)
PCBs	N/S		Copper (Cu)	N/S		Selenium (Se)	N/S	
Halogens			Cadmium (Cd)			Mercury(Hg)		
Solvents			Chromium (Cr)			Cyanide (CN^-)		
Arsenic (As)			Lead (Pb)			Iron (Fe)		
Cadmium (Cd)			Nickel (Ni)			pH	N/K	
Chromium (Cr)			Silver (Ag)	PRESENT		Phenols	N/S.	
Lead (Pb)			Zinc (Zn)	N/S.				

This waste is: (●) RCRA Listed ○ State Regulated ○ Non-Regulated (●) Virgin Material
RCRA Number(s): D011
State Number:
Notes & special handling information: MATERIAL to Be packaged into (1) 5 gallon pail (pounds)

Please list Specific Solvents:
None Suspected

SHIPPING INFORMATION
DOT Hazard Class / Packing Group: 9, MG III
DOT Shipping Name: HAZARDOUS Waste Liquid, NOS. Silver
Additional Description:
(●) DOT Regulated ○ Non-Regulated
UN/NA Number: NA3082
Amount of Waste / Shipment (gals.): 5gal
Frequency of Shipment: 1Time

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approval is obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default of payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature: Brenda Malloy Title: EHS Tech Date: 12-13-01

FACILITY USE ONLY
Rec'd on: Rec'd By:
Sample Container:
Approved By:
Comments:
M B

UNITED
INDUSTRIAL
SERVICES
DIVISION OF UNITED OIL RECOVERY INC.

14 WEST MAIN STREET
P.O. BOX 902 MERIDEN CT 06450-0902
TELEPHONE (203) 238-6745

"An Equal Opportunity Employer"

November 7, 2001

JOHN LOMBARD
JDS UNIPHASE CORPORATION
1768 AUTOMATION PARKWAY
SAN JOSE, CA 95131

Dear: JOHN LOMBARD

The following are approved waste streams at United Oil Recovery, Inc. and/or Bridgeport United Recycling, Inc.

Approval Code	Generator/Material
4024CD2HLTD	JDS UNIPHASE / HE-300 ACTIVATOR

United Oil Recovery, Inc. has the capacity and the permits to treat these types of waste. If you or your customers would like to witness the capabilities of our facility, please feel free to contact me at (203) 238-6745. Please contact your account coordinators at (888) 276-0885, to schedule or if you have any questions regarding your waste stream. Thank you for considering our facility for your treatment and recycling needs.

Sincerely,

William Morris
Environmental Director

WM/dc

Material Safety Data Sheet

HE-300 Activator

SECTION 1

Manufacturer's Name	Peacock Laboratories, Inc
Address:	1901 S 54th Street
City, State and Zip	Phila , PA 19143
Date Prepared	2/2000
CHEMTREC	24 Hour Emergency Number - (800)424-9300

SECTION 2

Hazardous Ingredients

Hazardous Component : chemical & common names:

Sodium Hydroxide 10% (wt%)

OSHA PEL. 2mg/m^3

ACGIH TLV 2mg/m^3

CAS NO : 1310-73-2

Ammonium Hydroxide 5% (wt%)

OSHA PEL. 35ppm, 27 mg/m^3 STEL 15 min

ACGIH TLV 25ppm, 18 mg/m^3 TLV, 8 hour TWA

CAS NO 1336-21-6

SECTION 3

PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point Approx 180-200F

Specific Gravity (water=1), 1 13

Vapor Pressure (mm Hg) N/A

Vapor Density (Air=1): N/A

Solubility in Water: Complete Reactivity in Water None

Appearance and Odor Clear liquid - Ammonia odor

Melting Point N/A

The above data are approximate or typical values and should not be used for precise design purposes

SECTION 4

REACTIVITY DATA

DO NOT MIX WITH CONCENTRATED SILVER NITRATE SOLUTIONS - MAY EXPLODE!

Stability Product absorbs carbon dioxide from the air

Conditions to Avoid. Acids, metals, very corrosive to skin and clothing

Incompatibility (Materials to Avoid) Strong acid and most metals Will form explosive compounds if mixed with silver nitrate

Hazardous Decomposition Products Hydrogen may be formed.

Hazardous Polymerization Will not occur

SECTION 5

SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

Respiratory Protection (type) Approved by NIOSH/MSHA respirator with ammonia filter Must be used when exposure limits are exceeded.

Ventilation. Local exhaust-Mechanical, General.

Protective Gloves Rubber or Neoprene

Eye protection Chemical safety goggles or face shield

Other Protective Clothing or Equipment' Rubber apron or protective coveralls

Work/Hygenic Practices Wash after handling-have shower and eye bath available

SECTION 6
HEALTH HAZARDS
Acute Irritation to skin & mucus membranes Material is a very strong base and reacts with all body tissue
Chronic Prolonged exposure to high concentrated ions may cause permanent lung damage
Signs and Symptoms of Exposure Burning of skin, irritation to eyes & respiratory system
Medical Conditions Generally Aggravated by Exposure Any respiratory ailment Any skin conditions
Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program No
I A R C Monographs No
OSHA No

Routes of Entry Inhalation Severe irritation or burns of respiratory system, pulmonary edema, lung inflammation, may cause respiratory system damage
Eyes Severe irritation or burns, permanent eye damage
Skin Severe irritations or burns
Ingestion Is harmful and may be fatal, severe burns to mouth, throat, and stomach, nausea, vomiting
Emergency and First Aid Procedures.
Inhalation If inhaled, remove to fresh air If not breathing, give artificial respiration If breathing is difficult, give oxygen
Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes Wash clothing before reuse
Eye Contact In case of eye contact, immediately flush skin with plenty of water for at least 30 minutes
Ingestion CALL A PHYSICIAN. If swallowed, do NOT induce vomiting If conscious, give large amounts of water Follow with dilute vinegar, fruit juice or whites of eggs beaten with water

SECTION 7
FIRE & EXPLOSION DATA
Flash Point N/A
Flammable Limits in Air % by Volume LEL 16% ; UEL 25% (ammonia portion)
Auto-Ignition Temperature N/A
Extinguisher Media Water fog for escaping ammonia gas
Special Fire Fighting Procedures: The mixture will not burn but the escaping ammonia gas will burn in the range of 16-25% in air Water will extinguish the flames. Wear full protective clothing and self-contained breathing apparatus in the pressure demand mode Vapors In the range of 16-25% ammonia in air can explode in a confined space on contact with sources of ignition
Unusual Fire and Explosive Hazards When heated, material will give off ammonia gas, a strong irritant to eye, respiratory tract, and moist skin Closed containers exposed to extreme heat may develop pressure Combustion of released ammonia may form nitrogen oxides Also material can react with amphoteric metals (such as Aluminum) generating hydrogen which is flammable and/or explosive when ignited

SECTION 8
SPECIAL PRECAUTIONS WITH SPILL AND LEAK PROCEDURES
Precautions to be taken in Handling and Storage. Store in tightly sealed containers in cool dry area
Other Precautions None
Steps to be Taken in Case Material is Released or Spilled Dilute with water and weak acid and ventilate adequately
Waste disposal Methods (Consult federal, state, and local regulations) When diluted sufficiently may be flushed into treated sewer system Check with local authorities

SECTION 9
TRANSPORTATION
Hazard Class Corrosive Material
Proper Shipping Name Sodium Hydroxide Solution Corrosive Material UN-1824
Placard Corrosive
Label Corrosive UN-1824

United Nations ID No.: UN-1824

SECTION 10

DISCLAIMER

The above information in this M.S D S was obtained from sources which we believe are reliable and correct, but does not purport to be inclusive and shall be used only as a guide The information is provided without any representation or warranty expressed or implied regarding accuracy or correctness The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Peacock Laboratories, Inc and its employees do not assume responsability and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use or disposal of the product

FOR INDUSTRIAL USE ONLY

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

NOV 06 2001

UOR USE ONLY
New Update
Profile # 7024 CD2HLTD
Sample Arrival Date

WASTE STREAM PROFILE SHEET

GENERATOR
Site Name: JDS UniPhase
Address: 1289 Blue Hills Ave
Bloomfield CT 06002
Mailing Name:
Address:
Technical Contact: Donald Sienkiewicz
Phone #: (860) 731-4824
Shipping Contact: SAME
Phone #: SAME
EPA ID #: CTP000029253

BROKER / SALESPERSON
Name: Ref #:
Address:
Contact: Phone #:

TRANSPORTER
Name: United Industrial Service
Address:
Contact: Bill Cowles Phone #: (203) 238-6745
EPA ID #:

WASTE DESCRIPTION
Chemical & Physical State: ☐ Liquid ☐ Semi-Liquid ☐ Solids ☐ Multilayered ☐ Bilayered ☐ Single Phase
pH: ☐ 2-4 ☐ 4-6 ☐ 6-8 ☐ 8-10 ☐ 10-12 ☐ >12
Odor: Ammonia Flash Point: > % Oil % Bottom Sediment
TSS: 0 Heat Value (BTU/lb) % Interface Specific Gravity
Color: Clear <1000 % Water
Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

Various CAB Pack Chemicals for Disposal
(1 Pint Packaged into a 5 Gallon Pail)
(VIRGIN HC-300 Activator)

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)	Aqueous Phase	Suspected Levels	Actual Levels (UOR use only)		Suspected Levels	Actual Levels (UOR use only)
PCBs	NS		Copper (Cu)	NS		Selenium (Se)	NS	
Halogens	NS		Cadmium (Cd)			Mercury(Hg)		
Solvents			Chromium (Cr)			Cyanide (CN^-)		
Arsenic (As)			Lead (Pb)			Iron (Fe)	↓	
Cadmium (Cd)			Nickel (Ni)			pH	>12.5	
Chromium (Cr)			Silver (Ag)			Phenols		
Lead (Pb)	↓		Zinc (Zn)	↓				

This waste is: ☐ RCRA Listed ☐ State Regulated ☐ Non-Regulated ☐ Virgin Material
RCRA Number(s): D002
State Number:
Notes & special handling information

Please list Specific Solvents:
NONE suspected

SHIPPING INFORMATION
DOT Hazard Class / Packing Group: 8 PG II
DOT Shipping Name: RQ "Waste Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide)(Ammonium
Additional Description:
☒ DOT Regulated ☐ Non-Regulated
UN/NA Number: UN 3266
Amount of Waste / Shipment (gals.): 1X5 Pail
Frequency of Shipment: 1 Time

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approval is obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default of payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature

FACILITY USE ONLY
Rec'd on Rec'd By
Sample Container
Approved By
Comments

UNITED
INDUSTRIAL
SERVICES
DIVISION OF UNITED OIL RECOVERY INC.

14 WEST MAIN STREET
P.O. BOX 902 MERIDEN CT 06450-0902
TELEPHONE (203) 238-6745

"An Equal Opportunity Employer"

October 25, 2001

JOHN LOMBARD
JDS UNIPHASE CORPORATION
1768 AUTOMATION PARKWAY
SAN JOSE, CA 95131

Dear: JOHN LOMBARD

The following are approved waste streams at United Oil Recovery, Inc. and/or Bridgeport United Recycling, Inc.

Approval Code	Generator/Material
3778CD2LLTD	JDS UNIPHASE / HYDROCHLORIC ACID (Red Silver)

United Oil Recovery, Inc. has the capacity and the permits to treat these types of waste. If you or your customers would like to witness the capabilities of our facility, please feel free to contact me at (203) 238-6745. Please contact your account coordinators at (888) 276-0885, to schedule or if you have any questions regarding your waste stream. Thank you for considering our facility for your treatment and recycling needs.

Sincerely,

William Morris
Environmental Director

WM/dc

FILE No.244 10/23 '01 PM 08:17 ID:BAL LAB FAX:203 339 7636 PAGE 3

UNITED OIL RECOVERY, INC.
LABORATORY ANALYSIS REPORT

LAB/PROFILE NUMBER	01-3278	GENERATOR NAME	[illegible]		
pH	1.57	CHROMIUM	ND	ALL LAB WORK DONE	
SPECIFIC GRAVITY		SILVER	ND	PROFILE ISSUED	
PHENOLS	ND	COPPER	ND	DRUM GROUP	
AMMONIA	—	LEAD	ND		
SULFIDES	—	IRON			
CYANIDE	—	NICKEL	ND	[redacted]	
GLYCOL TEST	—	CADMIUM	ND		
TOC 2,529 ppm		ZINC	ND		
% corrosive 0.329 HCl		BTUs/LB	—		
		FLASH POINT	—		
		HALOGENS	—		
		PCBs	—		

% OIL		BREAK OIL		OIL PRICE	
%RAG		BREAK RAG		RAG PRICE	
%WATER	100	BREAK WATER		WATER PRICE	
%SEDIMENT		BREAK SEDIMENT		SEDIMENT PRICE	
		BREAK OTHER		OTHER PRICE	
				TOTAL	

REMARKS: 1 pint acid lab pack OK to accept @ B4R [illegible]

UNITED OIL RECOVERY, INC. - LABORATORY ANALYSIS REPORT

J/PROFILE NUMBER 3778 DATE REC'D 10/19/01 RECEIVING LAB MERIDEN

GENERATOR NAME JDS UNIPHASE Sent To / Rec'd From

SALESPERSON/DRIVER B COWLES QTY/FREQUENCY UOR / BUR / CTL / NORLITE BUR - D002, 10/19/01

BROKER UIS 1-5 GAL PAIL/1X

DATE SAMPLE ANALYZED ANALYST RNB DRUM GROUP 1

****

pH		BTUs/LB	NA	HALOGENS	NA		
SPECIFIC GRAVITY		GLYCOL TEST	NA	FLASH POINT	>200		
		CHROMIUM		BS W	BREAK	PRICE	
PHENOLS		SILVER		% OIL			
AMMONIA	NA	COPPER		%RAG			
SULFIDES	NA	LEAD		%WATER			
CYANIDE	NA	IRON		%SEDIMENT			
PCBs		NICKEL		%			
Print Record		CADMIUM			TOTAL		
		ZINC					

SAMPLE DESCRIPTION

SPENT HYDROCHLORIC ACID

REMARKS

RECEIVING FACILITY(IES):

CT

MA

NH

NY

ALL

All analyses are done according to standard EPA protocols. If you have any questions, please feel free to call us at (203) 238-6745.

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

03778

UOR USE ONLY
New / Update
Profile # 3778C DALL
Sample Arrival Date

WASTE STREAM PROFILE SHEET

GENERATOR

Site Name	JDS UNIPHASE
Address	1289 BLUEHILLS AVE
	Bloomfield CT 06002
Mailing Name	1985 BLUEHILLS AVE
Address	Bloomfield CT 06002
Technical Contact	DONALD SIENKIEWICZ
Phone #	(860) 731-4824
Shipping Contact	SAME
Phone #	SAME
EPA ID #	CTP000024253

BROKER / SALESPERSON

Name	Ref #
Address	
Contact	Phone #

TRANSPORTER

Name	UNITED INDUSTRIAL SERVICE
Address	
Contact	Bill Cowles
Phone #	(203) 238-6745
EPA ID #	

WASTE DESCRIPTION

Chemical & Physical State: (Liquid) / Semi-Liquid / Solids; Multilayered / Bilayered / (Single Phase)

pH (<2): 2-4 / 4-6 / 6-8 / 8-10 / 10-12 / >12

Odor Acidic	Flash Point > 200°F	% Oil —	% Bottom Sediment
TSS 0	Heat Value (BTU/lb)	% Interface —	Specific Gravity
Color Colorless	<10,00	% Water 100	

Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.

Spent Hydrochloric Acid with Silver From Research & Development

(1 Pint)

(HCl / silver mixture)

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)
PCBs	NS	
Halogens		
Solvents		
Arsenic (As)		
Cadmium (Cd)		
Chromium (Cr)		
Lead (Pb)		

Aqueous Phase	Suspected Levels	Actual Levels (UOR use only)
Copper (Cu)	NS	ND
Cadmium (Cd)		
Chromium (Cr)		
Lead (Pb)		
Nickel (Ni)		
Silver (Ag)		ND
Zinc (Zn)		ND

	Suspected Levels	Actual Levels (UOR use only)
Selenium (Se)	NS	
Mercury(Hg)		
Cyanide (CN^-)		
Iron (Fe)		
pH	<2	1.57
Phenols	NS	
% Corrosive		0.22%

This waste is: (RCRA Listed) / State Regulated / Non-Regulated / Virgin Material

RCRA Number(s): D002 / D011

State Number:

Notes & special handling information: TOC 2529 ppm

Please list Specific Solvents: None Suspected

SHIPPING INFORMATION

DOT Hazard Class / Packing Group: 8 PG II

DOT Shipping Name: "RQ" WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric Acid) (Silver)

(DOT Regulated) / Non-Regulated

UN/NA Number: 3264

Amount of Waste / Shipment (gals.): 1 X 5 Pail

Frequency of Shipment: 1 Time

Additional Description:

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approval is obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

FACILITY USE ONLY

Rec'd on	Rec'd By
Sample Container	
Approved By	
Comments	

UNITED
INDUSTRIAL
SERVICES
DIVISION OF UNITED OIL RECOVERY INC.

14 WEST MAIN STREET
P.O. BOX 902 MERIDEN CT 06450-0902
TELEPHONE (203) 238-6745

"An Equal Opportunity Employer"

Shipped as D002

October 30, 2001

JOHN LOMBARD
JDS UNIPHASE CORPORATION
1768 AUTOMATION PARKWAY
SAN JOSE, CA 95131

Dear: JOHN LOMBARD

The following are approved waste streams at United Oil Recovery, Inc. and/or Bridgeport United Recycling, Inc.

Approval Code	Generator/Material
3794CPT1D2L	JDS UNIPHASE / ACID SPILL SOLIDS (Sulfuric Acid Waste)

United Oil Recovery, Inc. has the capacity and the permits to treat these types of waste. If you or your customers would like to witness the capabilities of our facility, please feel free to contact me at (203) 238-6745. Please contact your account coordinators at (888) 276-0885, to schedule or if you have any questions regarding your waste stream. Thank you for considering our facility for your treatment and recycling needs.

Sincerely,

William Morris
Environmental Director

WM/dc

UNITED OIL RECOVERY, INC. - LABORATORY ANALYSIS REPORT

\B/PROFILE NUMBER 3794 DATE REC'D 10/19/01 RECEIVING LAB MERIDEN
Sent To / Rec'd From

GENERATOR NAME JDS UNIPHASE

SALESPERSON/DRIVER B COWLES QTY/FREQUENCY

UOR / BUR / CTL / NORLITE: NORLITE - METALS

BROKER UIS 1-5 GAL PAIL/1X

DATE SAMPLE ANALYZED ANALYST RNB DRUM GROUP 3

****

pH		BTUs/LB	NA	HALOGENS	NA		
SPECIFIC GRAVITY	NA	GLYCOL TEST	NA	FLASH POINT	>200		
		CHROMIUM		BS W	BREAK	PRICE	
PHENOLS	NA	SILVER		% OIL			
AMMONIA	NA	COPPER		%RAG			
SULFIDES	NA	LEAD		%WATER			
CYANIDE	NA	IRON		%SEDIMENT	100		
PCBs	ND<2	NICKEL		%			
Print Record		CADMIUM			TOTAL		
		ZINC					

SAMPLE DESCRIPTION

SPILL DEBRIS FROM CLEANUP OF SULFURIC ACID SPILL. SODIUM HYDROXIDE USED TO NEUTRALIZE

REMARKS

RECEIVING FACILITY(IES):

(CT)
MA
NH
NY
ALL

All analyses are done according to standard EPA protocols. If you have any questions, please feel free to call us at (203) 238-6745.

NORLITE CORPORATION
ELAP ID#: 11526

SALES SAMPLE

SAMPLE ID # 01-3794 GENERATOR: JDS UNIPHASE

		METHOD SW-846	DET. LIMIT	NORLITE LIMITS	RESULTS	UNITS	DATE
PCB'S		8082.0	2.0	25.0		PPM	10/24
Sulfur	S	3050B/6010	5.0		36781.0	PPM	10/24
Arsenic	As	3050B/6010	0.08	9.10	0.08	PPM	10/24
Beryllium	Be	3050B/6010	0.03	0.86	0.03	PPM	10/24
Cadmium	Cd	3050B/6010	0.03	20.00	0.03	PPM	10/24
Chromium	Cr	3050B/6010	0.03	441.00	3.37	PPM	10/24
Copper	Cu	3050B/6010	0.11	400.00	11.54	PPM	10/24
Lead	Pb	3050B/6010	0.14	282.80	**8.18**	PPM	10/24
Barium	Ba	3050B/6010	0.06	147.00	4.22	PPM	10/24
Mercury	Hg	3050B/6010	0.10	0.75	0.10	PPM	10/24
Nickel	Ni	3050B/6010	0.05	100.00	9.62	PPM	10/24
Antimony	Sb	3050B/6010	0.05	23.80	0.10	PPM	10/24
Selenium	Se	3050B/6010	0.05	24.00	0.05	PPM	10/24
Silver	Ag	3050B/6010	0.10	14.60	2.35	PPM	10/24
Thallium	Tl	3050B/6010	0.08	43.30	0.08	PPM	10/24
Zinc	Zn	3050B/6010	0.12	600.00	9.16	PPM	10/24

REFERENCE: 01OCT24

48.91 <--DCS

ASH-->
HALOGENS-->

UNITED OIL RECOVERY, INC.
136 Gracey Ave.
Meriden, CT 06451- (203) 238-6751

BRIDGEPORT UNITED RECYCLING, INC.
50 Cross Street
Bridgeport, CT 06610

01-3794

UOR USE ONLY
New Update
Profile # 3794CPTIDJL
Sample Arrival Date

WASTE STREAM PROFILE SHEET

GENERATOR
Site Name: IDS UniPhase
Address: 1289 Blue Hills Ave
Bloomfield CT 06002
Mailing Name: 1955 Blue Hills Ave
Address: Bloomfield CT 06002
Technical Contact: Donald Sienkiewicz
Phone #: (860) 731-4824
Shipping Contact: SAME
Phone #: SAME
EPA ID #: CTP000024253

BROKER / SALESPERSON
Name: Ref #
Address:
Contact: Phone #

TRANSPORTER
Name: United Industrial Service
Address:
Contact: Bill Coulter Phone #: (203) 238-6745
EPA ID #:

WASTE DESCRIPTION
Chemical & Physical State: (Liquid) Semi-Liquid Solids
pH: 2-4 4-6 6-8 8-10 10-12
Multilayered Bilayered (Single Phase)
Odor: Acidic Flash Point: >200°F % Oil: % Bottom Sediment: 1 CC
TSS: 100% Heat Value (BTU/lb): % Interface: Specific Gravity: NA
Color: Brown/Blue 1020 % Water:
Please submit a one (1) quart representative sample of the waste stream. Describe the sampling method below.

Process Description - Describe the process generating waste stream. Please include a list of virgin materials and their Material Safety Data Sheets.
Spill Solid Debri from a Sulfuric Acid spill near the water treatment room. Clean up was done using 500 lbs Hydroxide.
Solids (Acid Spill)

CHEMICAL CONSTITUENTS

Petroleum Phase	Suspected Levels	Actual Levels (UOR use only)
PCBs	NS	ND<2
Halogens		ND
Solvents		
Arsenic (As)		
Cadmium (Cd)		
Chromium (Cr)		
Lead (Pb)	ND	

~~Aqueous~~ Phase	Suspected Levels (20X TCLP)	Actual Levels (UOR use only) (TOTAL MASS)
~~Copper (Cu)~~ BS	0.00	0.08
Cadmium (Cd)	0.00	0.03
Chromium (Cr)	0.17	3.31
Lead (Pb)	0.41	5.18
Nickel (Ni)	0.48	9.62
Silver (Ag)	0.12	2.35
~~Zinc (Zn)~~ BA	0.21	4.22

	Suspected Levels	Actual Levels (UOR use only)
Selenium (Se)	0.00	0.05
Mercury(Hg)	0.01	0.10
Cyanide (CN^-)		
Iron (Fe)	↓	
pH	<2	
Phenols	NS	

This waste is:
- RCRA Listed — RCRA Number(s): D002
- State Regulated
- Non-Regulated
- Virgin Material — State Number:

Notes & special handling information

Please list Specific Solvents:
None suspected

SHIPPING INFORMATION
DOT Hazard Class / Packing Group: 8 PG III
DOT Shipping Name: RQ "Waste Corrosive Solid, Acid, Inorganic N.O.S. (sulfuric Acid)
(DOT Regulated) Non-Regulated
UN/NA Number: 3264
Amount of Waste / Shipment (gals.): 1 x 55 P.O.
Frequency of Shipment: 1 Time
Additional Description:

The undersigned certifies that all above information is true and accurate to the best of his/her knowledge. The accompanying sample is representative of the waste stream described above. All potential hazards have been noted in the handling section. Shipments may not begin until this waste stream has been approved as treatable by United Oil Recovery, Inc. If at any time, the information above should change or prove different, shipments will cease until further approval is obtained from United Oil Recovery, Inc. The undersigned accepts full responsibility for any misrepresentation and any damage that the misrepresentation does to equipment or personnel of United Oil Recovery, Inc. This will also certify that the waste stream described above does not contain Pesticides, Herbicides or any TSCA Polychlorinated Biphenyls (PCBs). It is understood by both the Generator and the Broker, that in the event of default of payment by the Broker, United and its affiliates reserve the right to pursue payment from the Generator.

Signature: Title: EH&S Engineer Date: 10-[illegible]-01

FACILITY USE ONLY
Rec'd on Rec'd By
Sample Container
Approved By
Comments

Violation 2: Failed to obtain EPA ID number

Correction: A Notice of Regulated Waste Activity has been completed and sent to Inga Rubecka. A copy of the Notification is enclosed.

VHW-001 (REV. 9-84)

State of New Jersey
Department of Enviromental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

Bat 301 Rec 90

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C T D 0 0 0 0 1 3 5 6 — Manifest Document No. d 0 0 0 1
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.*

3. Generator's Name and Mailing Address
Culbro Tobacco
1600 Prospect Hill Road, Windsor, CT 06095
4. Generator's Phone (203) 243-2561

A. State Manifest Document Number NJA0055215
B. State Gen. ID
1600 Prospect Hill Rd.

5. Transporter 1 Company Name: S. J. Transportation — 6. US EPA ID Number: N J D 0 5 4 1 6 2 9 9 7 6
C. State Transporter's ID: S3217DX

7. Transporter 2 Company Name — 8. US EPA ID Number
D. Transporter's Phone: 609-769-2741
E. State Transporter's ID

9. Designated Facility Name and Site Address
Rollins Environmental Services (NJ) Inc.
Route 322W, P.O. Box 322
Bridgeport, NJ 08014
10. US EPA ID Number: N J D 0 1 5 3 2 8 8 2 3 9
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone 609-467-3100

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste - Ethylene Dibromide - POISON UN 2810	1 2	D M	3 6 0	G	U067
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. Liquid T
b.
c.
d.

K. Handling codes for Wastes Listed Above
a. T03
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and all applicable State laws and regulations.

Printed/Typed Name: Irving Levin — Signature: Irving Levin — Date: Month 04 Day 21 Year 86

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: LUKE FOGG — Signature: Luke Fogg — Date: Month 04 Day 21 Year 86

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Date

FACILITY

19. Discrepancy Indication Space
10 (30g 5D. Item 6 - NJD071629976 (3900 lb)
2 85 Recovery Drums

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ANDREA PAGUE — Signature: Andrea Pague — Date: Month 04 Day 21 Year 86

EPA Form 8700-22 (3-84)

2 – TSD MAIL TO – GENERATOR STATE

NJA 0055215

In Case of an emergency or spill immediately call the State the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)

VHW-001 (REV. 9-84)

State of New Jersey
Department of Enviromental Protection
Division of Waste Management
CN 028, Trenton, NJ 08625

Bat 504 Rec 78

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C T P 0 0 0 0 1 3 5 6 — Manifest Document No. d 0 0 0 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.*

3. Generator's Name and Mailing Address
Culbro Tobacco
1600 Prospect Hill Road, Windsor, CT 06095

4. Generator's Phone (203) 243-2561

A. State Manifest Document Number NJA0055215

B. State Gen. ID 1600 Prospect Hill Rd.

5. Transporter 1 Company Name S. J. Transportation

6. US EPA ID Number N J D 0 0 7 1 6 2 9 9 7 6

C. State Transporter's ID S3217DX

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone 609-769-2741

E. State Transporter's ID

9. Designated Facility Name and Site Address
Rollins Environmental Services (NJ) Inc.
Route 322W, P.O. Box 322
Bridgeport, NJ 08014

10. US EPA ID Number N J D 0 5 3 2 8 8 2 3 9

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone 609-467-3100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste - Ethylene Dibromide - POISON UN 2810	1 2	D M	3 6 0	G	U067
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a. Liquid T
b.
c.
d.

K. Handling codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and all applicable State laws and regulations.

Printed/Typed Name: Irving Levin — Signature: Irving Levin — Date: Month 6 Day 12 Year 26

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: LUKE FOGG — Signature: Luke Fogg — Date: Month 6 Day 12 Year 26

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Date: Month Day Year

GENERATOR

TRANSPORTER

FACILITY

In Case of an emergency or spill immediately call the State the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)

NJA 0055215

EPA Form 8700-22 (3-84)

7 GENERATOR MAIL TO – GENERATOR STATE

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

5155 FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. ~~C I P 0 0 0 0 2 5 6 5 6~~ Manifest Document No. 3 6 7 6 5
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
CTR000502229 JFG
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095

A. State Manifest Document Number
CT F1036765

4. Generator's Phone (860) 731-4522 ATTN:ALEX DARRAGH

B. G.S.I. (Gen. Site Address)
JDS UNIPHASE
1985 BLUE HILLS AVE EXT
WINDSOR, CT 06095

5. Transporter 1 Company Name
UNITED INDUSTRIAL SERVICES

6. US EPA ID Number
C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #) CT25258

7. Transporter 2 Company Name
Crafted Industrial Sv

8. US EPA ID Number
CTD021816889

D. Tran. Phone (203) 238-6745

E. S.T.I. (Trans. Lic. Plate #) V-140374

F. Tran. Phone ( ) -

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610

10. US EPA ID Number
C T D 0 0 2 5 9 3 8 8 7

G. State Facility's ID (Not Required)

H. Facility's Phone 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ACETONE), (METHANOL), 3, UN1993, PGII	XX1	DF	XXX30	G	EPA F003/F002 STATE NONE
b. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ALCOHOL), (METHANOL), 3, UN1993, PGII	XX1	DF	XXX50	8	EPA D001/U154 STATE NONE
c. STATE REGULATED WASTE NONE, NONE	XX1	DF	XXX30	G	EPA NONE STATE CR04/
d. STATE REGULATED WASTE NONE, NONE D001 D021	XX1	DF	XXX35	8	EPA NONE STATE CR04/

J. Additional Descriptions for Materials Listed Above
a. METHANOL, ACETONE, ETHANOL, CHLOROBENZENE, ISOPROPANOL, U159 U239 U220
b. METHANOL, TOLUENE, ALCOHOL, 0505CFGH1
c. DI-WATER, PARTS WASHER SOLUTION
d. VIRGIN MAT'LS, EPOXY RESIN, POLYMERS, SILICONE ELASTOMER

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	S07	T50	c. S01	T35 T46 T49
b.	S4		c. S01	

15. Special Handling Instructions and Additional Information
EMERGENCY RESPONSE GUIDE #128 EMERGENCY PHONE # (203)238-6745
0879CFLLP EMERGENCY RESPONSE GUIDE #128
1758CPHN1 EMERGENCY RESPONSE GUIDE # N/A
0884CLP EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Alex Darragh		08	01	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John F Gaughan		08	01	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RALPH Lentz		08	02	02

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jacynn Robinson		08	02	02

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No 2050-0039

COPY 1: FACILITY MAILS TO DESTINATION STATE

GENERATOR — TRANSPORTER — FACILITY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

COPY 1: FACILITY MAILS TO DESTINATION STATE

CT F1036765

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

6155 FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite [12-pitch] typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C.T.D.0.0.0.5.2.5.5.5.6 | Manifest Document No.: 3.6.7.6.5

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095
CTR000502229 JFG

4. Generator's Phone (860) 731-4522 ATTN: ALEX DARRAGH

A. State Manifest Document Number: CT F1036765

B. G.S.I. (Gen. Site Address)
JDS UNIPHASE
1985 BLUE HILLS AVE EXT
WINDSOR, CT 06095

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES | 6. US EPA ID Number: C.T.D.0.2.1.8.1.6.8.8.9

C. S.T.I. (Trans. Lic. Plate #): CT23253

7. Transporter 2 Company Name: Grafted Industrial Svc | 8. US EPA ID Number: CTD021816889

D. Tran. Phone (203) 238-6745

E. S.T.I. (Trans. Lic. Plate #): V-40374/C

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610

10. US EPA ID Number: C.T.D.0.0.2.5.9.3.8.8.7

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ACETONE), (METHANOL), 3, UN1993, PGII	XX1	DF BFM	XXX30	G	EPA F003/F002 STATE NONE
b. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ALCOHOL), (METHANOL), 3, UN1993, PGII	XX1	DF BFM	XXX50	P	EPA D001/U154 STATE NONE
c. STATE REGULATED WASTE NONE, NONE	XX1	DF BFM	XXX30	G	EPA NONE STATE CR04/
d. STATE REGULATED WASTE NONE, NONE	XX1	DF BFM	XXX35	P	EPA NONE STATE CR04/

J. Additional Descriptions for Materials Listed Above
a. METHANOL, ACETONE, ETHANOL, CHLOROBENZENE, ISOPROPANOL, U159-U239-U220
b. METHANOL, TOLUENE, ALCOHOL,
c. DI-WATER, PARTS WASHER SOLU... VIRGIN-MAT'LS,-EPOXY-RESIN
d. POLYMERS, SILICONE ELASTOMER

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.	S02	T50	c.	S01	T45 T46 T49
b.	S4		d.	S01	

15. Special Handling Instructions and Additional Information: EMERGENCY RESPONSE GUIDE #128 EMERGENCY PHONE # (203)238-6745
0879CFLLP EMERGENCY RESPONSE GUIDE #128
1758CPHN1 EMERGENCY RESPONSE GUIDE # N/A
0884CLP EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
A Alex Darragh	A Alex Darragh	08	01	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John F Gaughan	John F Gaughan	08	01	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RALPH Lentz	Ralph Lentz	08	02	02

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jaclynn Robinson	Jaclynn Robinson	08	02	02

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No 2050-0039

GENERATOR — TRANSPORTER — FACILITY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802 FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

COPY 2: FACILITY MAILS TO GENERATOR STATE

CT F1036765

COPY 2: FACILITY MAILS TO GENERATOR STATE

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. [illegible] Manifest Document No. 3675

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095
CTR000532229 JFG

4. Generator's Phone (860) 731-4522 ATTN:ALEX DARRAGH

A. State Manifest Document Number: CT F1036765

B. G.S.I. (Gen. Site Address)
JDS UNIPHASE
1985 BLUE HILLS AVE EXT
WINDSOR, CT 06095

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: CTD021816899

C. S.T.I. (Trans. Lic. Plate #): CT27254

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610
10. US EPA ID Number: CTD982595388 7

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ACETONE), (METHANOL), 3, UN1993, PGII	XX1	DF	030	G	EPA D001/F003 STATE NONE
b. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ALCOHOL), (METHANOL), 3, UN1993, PGII	XX1	DF	050	P	EPA D001/U154 STATE NONE
c. STATE REGULATED WASTE NONE, NONE	XX1	DF	030	G	EPA NONE STATE CR94/
d. STATE REGULATED WASTE NONE, NONE	XX1	DF	035	P	EPA NONE STATE CR94/

J. Additional Descriptions for Materials Listed Above
a. METHANOL, ACETONE, ETHANOL, CHLOROBENZENE, ISOPROPANOL, U159-U239-U220
b. METHANOL, TOLUENE, ALCOHOL,
c. DI-WATER, PARTS WASHER SOLU
VIRGIN NAT'LS, EPOXY RESIN
d. POLYMERS, SILICONE ELASTOMER

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information RESPONSE GUIDE #128 EMERGENCY PHONE # (203)238-6745
0879CPLLP EMERGENCY RESPONSE GUIDE #128
1758CPHN1 EMERGENCY RESPONSE GUIDE # N/A
0884CLP EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Alex Darragh		08	01	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John F Graham		08	01	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802 FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039

COPY 6: GENERATOR MAILS TO DESTINATION STATE

CT F1036765

COPY 6: GENERATOR MAILS TO DESTINATION STATE

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. 3667659
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095
CTR000502229 JFG

A. State Manifest Document Number: CT F1036765

B. G.S.I. (Gen. Site Address)
JDS UNIPHASE
1985 BLUE HILLS AVE EXT
WINDSOR, CT 06095

4. Generator's Phone (860) 731-4522 ATTN:ALEX DARRAGH

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: CTD021816889

C. S.T.I. (Trans. Lic. Plate #) CT27254

7. Transporter 2 Company Name
8. US EPA ID Number

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610
10. US EPA ID Number: CTD982593887

E. S.T.I. (Trans. Lic. Plate #)
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 203 334-1646

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ACETONE), (METHANOL), 3, UN1993, PGII	XX1	DF	030	G	EPA D001/F003 STATE NONE
b. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (ALCOHOL), (METHANOL), 3, UN1993, PGII	XX1	DF	050	P	EPA D001/U154 STATE NONE
c. STATE REGULATED WASTE NONE, NONE	XX1	DF	030	G	EPA NONE STATE CR04
d. STATE REGULATED WASTE NONE, NONE	XX1	DF	035	P	EPA NONE STATE CR04

J. Additional Descriptions for Materials Listed Above
a. METHANOL, ACETONE, ETHANOL, CHLOROBENZENE, ISOPROPANOL, U159-U239-U220
b. METHANOL, TOLUENE, ALCOHOL,
c. DI-WATER, PARTS WASHER SOLU
d. VIRGIN RESIN, EPOXY RESIN, POLYMERS, SILICONE ELASTOMER

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
0879CFLLP EMERGENCY RESPONSE GUIDE #128 EMERGENCY PHONE # (203)238-6745
1758CPHH1 EMERGENCY RESPONSE GUIDE # N/A
0884CLP EMERGENCY RESPONSE GUIDE # N/A

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Alex Darragh		05	01	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John F Gagnon		05	01	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — FACILITY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039

COPY 7: GENERATOR MAILS TO GENERATOR STATE

COPY 7: GENERATOR MAILS TO GENERATOR STATE

CT F 1036765

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

5173 FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C T R 0 0 0 5 0 2 2 2 9 | Manifest Document No.: 9 0 0 6 2 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095
4. Generator's Phone (860) 731-4522 ATTN:ALEX DARRAGH

A. State Manifest Document Number: CT F1090062

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): J-78974

7. Transporter 2 Company Name:
8. US EPA ID Number:

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610
10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7

E. S.T.I. (Trans. Lic. Plate #):
F. Tran. Phone ( ) -
G. State Facility's ID (Not Required):
H. Facility's Phone 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X X 1	D F	X X X 5 0	P R L	EPA D002/ STATE NONE
b. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X X 1	D F	X X X 2 0	P R L	EPA D002/ STATE NONE
c. RQ, WASTE CORROSIVE LIQUID, OXIDIZING, NOS, (PERCHLORIC ACID), (CERIC AMMONIUM NITRATE), 8, UN3093, PGII	X X 1	D F	X X X 1 0	P	EPA D002/ STATE NONE
d. RQ Waste Flammable Liquid NOS (methanol, 2propanol, Acetone), 3, UN1993, PG II	X X X	D M	X X X X X	P	EPA STATE

J. Additional Descriptions for Materials Listed Above
a. BISPHENOL F - EPOXY ADHESIVE
c. PERCHLORIC ACID, CERIC AMMONIUM NITRATE - (ETCHANT CR-95)
b. BISPHENOL F - EPOXY ADHESIVE
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	505D3	T2L	c. 501	T33 T49 T76
b.	505D3	T2L	d.	

15. Special Handling Instructions and Additional Information
0898CD2HFB EMERGENCY RESPONSE GUIDE #154 EMERGENCY PHONE # (203)238-6745
0898CD2HFB EMERGENCY RESPONSE GUIDE #154
0899CD2LST EMERGENCY RESPONSE GUIDE #140

Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Alex Darragh		10	18	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Roy Lindale		10	18	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JoAnn Robinson		10	21	02

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No. 2050-0039

COPY 1: FACILITY MAILS TO DESTINATION STATE

GENERATOR — TRANSPORTER — FACILITY

FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338
IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802

COPY 1: FACILITY MAILS TO DESTINATION STATE

CT F 1090062

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

5173 FOR STATE USE ONLY

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338
IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C T R 0 0 0 5 0 2 2 2 9 | Manifest Document No.: 9 0 0 6 2
2. Page 1 of 1
Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095
4. Generator's Phone (860) 731-4522 ATTN:ALEX DARRAGH

A. State Manifest Document Number: CT F1090062
B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES
6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9
7. Transporter 2 Company Name:
8. US EPA ID Number:
C. S.T.I. (Trans. Lic. Plate #): J-78974
D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610
10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7
E. S.T.I. (Trans. Lic. Plate #):
F. Tran. Phone ( )
G. State Facility's ID (Not Required)
H. Facility's Phone 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X X 1	D F	X X X 5 0	P R L B	EPA D002 STATE NONE
b. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X X 1	D F	X X X 2 0	P R L B	EPA D002 STATE NONE
c. RQ, WASTE CORROSIVE LIQUID, OXIDIZING, NOS, (PERCHLORIC ACID), (CERIC AMMONIUM NITRATE), 8, UN3093, PGII	X X 1	D F	X X X 1 0	P	EPA D002 STATE NONE
d. ~~RQ, Waste Flammable Liquid, NOS (methanol, 2propanol, Acetone), 3, UN1993, PG II~~ (R)	X X X	D M	X X X X X	P	EPA STATE

J. Additional Descriptions for Materials Listed Above
a. BISPHENOL F - EPOXY ADHESIVE
b. BISPHENOL F - EPOXY ADHESIVE
c. PERCHLORIC ACID, CERIC AMMONIUM NITRATE - (ETCHANT CR-95)
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final	Interim	Final
a.	X0503	T2L	c. X01	T49 T76
b.	X0503	T2U	d.	

15. Special Handling Instructions and Additional Information
0898CD2HFB EMERGENCY RESPONSE GUIDE #154 EMERGENCY PHONE # (203)238-6745
0898CD2HFB EMERGENCY RESPONSE GUIDE #154
0899CD2LST EMERGENCY RESPONSE GUIDE #140 Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Alex Darragh	Alex Darragh	10	18	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Roy Landate	Roy Landate	10	18	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JoAnn Robinson	JoAnn Robinson	10	21	02

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039

COPY 2: FACILITY MAILS TO GENERATOR STATE

CT F 1090062

COPY 2: FACILITY MAILS TO GENERATOR STATE

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) *(Form designed for use on elite (12-pitch) typewriter.)*

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C·T·R·0·0·0·5·0·2·2·2·9 | Manifest Document No.: 9·0·0·6·2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095

A. State Manifest Document Number: CT F1090062

4. Generator's Phone (860) 731-4522 ATTN: ALEX DARRAGH

B. G.S.I. (Gen. Site Address): SAME

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

C. S.T.I. (Trans. Lic. Plate #): 5-75974

7. Transporter 2 Company Name

8. US EPA ID Number

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610

10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X.X.1	D.F	X.X.X.5.0	P K	EPA D002/ STATE NONE
b. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X.X.1	D.F	X.X.X.2.0	P K	EPA D002/ STATE NONE
c. RQ, WASTE CORROSIVE LIQUID, OXIDIZING, NOS, (PERCHLORIC ACID), (CERIC AMMONIUM NITRATE), 8, UN3093, PGII	X.X.1	D.F	X.X.X.1.0	P	EPA D002/ STATE NONE
d. ~~RQ, Waste Flammable Liquid, NOS, (Isopropyl Alcohol), 3, UN1993, PG II~~ (R)	X.X.X	DM	X.X.X.X.X	P	EPA STATE

J. Additional Descriptions for Materials Listed Above
a. BISPHENOL F - EPOXY ADHESIVE
c. PERCHLORIC ACID, CERIC AMMONIUM NITRATE - (ETCHANT CR-S5)
b. BISPHENOL F - EPOXY ADHESIVE
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			b.		
c.			d.		

15. Special Handling Instructions and Additional Information
0898CD2HFB EMERGENCY RESPONSE GUIDE #154 EMERGENCY PHONE # (203)238-6745
0898CD2HFB EMERGENCY RESPONSE GUIDE #154
0899CD2LST EMERGENCY RESPONSE GUIDE #140 Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Alex Darragh		10	18	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Roy Lindale		10	18	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039.

GENERATOR — TRANSPORTER — FACILITY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

COPY 6: GENERATOR MAILS TO DESTINATION STATE

CT F 1090062

COPY 6: GENERATOR MAILS TO DESTINATION STATE

EPHM-2 REV. 5/97

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (860) 424-3338

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C T R 0 0 0 3 0 2 2 2 3 — Manifest Document No.: 0 0 0 6 2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address
JDS UNIPHASE
1985 BLUE HILLS AVE. EXT. WINDSOR, CT 06095

A. State Manifest Document Number: CT F1090062

B. G.S.I. (Gen. Site Address): SAME

4. Generator's Phone (860) 731-4522 ATTN:ALEX DARRAGH

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. S.T.I. (Trans. Lic. Plate #): J-78974

D. Tran. Phone (203) 238-6745

9. Designated Facility Name and Site Address
BRIDGEPORT UNITED RECYCLING
50 CROSS STREET
BRIDGEPORT, CT 06610

10. US EPA ID Number: C T D 0 0 2 5 9 3 8 8 7

E. S.T.I. (Trans. Lic. Plate #):

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone 203 334-1666

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X X 1	D F	X X X 5 0	P K G	EPA [illegible] STATE NONE
b. RQ, WASTE CORROSIVE SOLID, ACIDIC, ORGANIC NOS, (BISPHENOL F), (BISPHENOL F), 8, UN3261, PGII	X X 1	D F	X X X 2 0	P K G	EPA [illegible] STATE NONE
c. RQ, WASTE CORROSIVE LIQUID, OXIDIZING, NOS, (PERCHLORIC ACID), (CERIC AMMONIUM NITRATE), 8, UN3093, PGII	X X 1	D F	X X X 1 0	P	EPA [illegible] STATE NONE
d. RQ, Waste Fluoroboric Acid, 8, UN1775 (Fluoroboric Acid), 8, UN1775 (R)	X X X	D M	X X X X X	P	EPA STATE

J. Additional Descriptions for Materials Listed Above
a. BISPHENOL F - EPOXY ADHESIVE
b. BISPHENOL F - EPOXY ADHESIVE
c. PERCHLORIC ACID, CERIC AMMONIUM NITRATE - (ETCHANT CR-95)
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.			c.		
b.			d.		

15. Special Handling Instructions and Additional Information
0898CD2HFB EMERGENCY RESPONSE GUIDE #154 EMERGENCY PHONE # (203)238-6745
0898CD2HFB EMERGENCY RESPONSE GUIDE #154
0899CD2LST EMERGENCY RESPONSE GUIDE #140 Point of Departure:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Alex Darragh	[signature]	10	18	02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ray Lindate	[signature]	10	18	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

EPA Form 8700-22 (Rev. 9/91) Form Approved OMB No.2050-0039.

COPY 7: GENERATOR MAILS TO GENERATOR STATE

COPY 7: GENERATOR MAILS TO GENERATOR STATE

CT F 1090062

Stantec

Phase II Environmental Site Assessment

1985 Blue Hills Avenue Extension,
Windsor, CT

July 28, 2021

Prepared for:

Eversource Energy Service Company
107 Selden Street
Berlin, CT 06037

Prepared by:

Stantec Consulting Services Inc.
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Hartford, CT 06103

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Revision	Description	Author		Quality Check		Independent Review	

PHASE II ENVIRONMENTAL SITE ASSESSMENT

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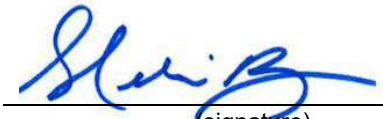
Prepared by 
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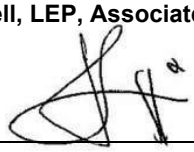
Eric J. Boswell, LEP, Associate, Senior Project Manager

Approved by 
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Joseph Salvetti, LSP, Senior Associate, Senior Project Manager

Table of Contents

1.0 INTRODUCTION 1
1.1 PURPOSE AND SCOPE 1
1.2 PRELIMINARY CSM 2
1.2.1 Site Description and Use 2
1.2.2 Historical Site Use 2
1.2.3 Surrounding Land use 2
1.2.4 Environmental Setting 3
1.2.5 Recognized Environmental Conditions 4
1.2.6 Areas of Concern 4

2.0 FIELD SAMPLING AND ANALYSIS 6
2.1 SOIL SAMPLING 6
2.2 GROUNDWATER MONITORING 7
2.3 SAMPLE HANDLING AND ANALYSIS 7
2.4 INVESTIGATION DERIVED WASTE 9

3.0 INVESTIGATION RESULTS 9
3.1 RSR COMPARISON CRITERIA 9
3.2 SOIL RESULTS 10
3.3 GROUNDWATER RESULTS 11
3.4 DATA QUALITY / USABILITY 11

4.0 FINDINGS AND CONCLUSIONS 13
4.1 OVERVIEW OF SAMPLING RESULTS 13
4.2 CONCEPTUAL SITE MODEL UPDATE 13

5.0 STATEMENT OF LIMITATIONS 17

6.0 REFERENCES 19

LIST OF TABLES

TABLE 1: SUMMARY OF CONSTITUENTS DETECTED IN SOIL SAMPLES
TABLE 2: SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES

LIST OF FIGURES

FIGURE 1 - SITE LOCATION MAP
FIGURE 2 - SITE PLAN
FIGURE 3 - GROUNDWATER ELEVATION AND FLOW

LIST OF APPENDICES

APPENDIX A - BORING LOGS
APPENDIX B - GROUNDWATER PURGE LOGS
APPENDIX C - LABORATORY ANALYTICAL REPORTS

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Introduction
July 28, 2021

1.0 INTRODUCTION

In May and June 2021, Stantec Consulting Services Inc. (Stantec) on behalf of Eversource Energy Service Company as agent for The Rocky River Realty Company (Eversource) completed a Phase I Environmental Site Assessment (Phase I ESA) report for 1985 Blue Hills Avenue, Windsor, Connecticut, "the Property", the "subject Property", and/or the "Site" (Figure-1), dated July 13, 2021. The Phase I ESA was performed in support of due diligence activities in preparation for acquisition of the Property. Recognized Environmental Conditions (RECs) and Areas of Concern (AOCs) were identified during the Phase I ESA, which warranted further evaluation.

A Phase II ESA was performed to evaluate the findings of the Phase I ESA. The Phase II ESA subsurface investigation field activities were performed between May 24th and May 28th, 2021. The Phase II ESA investigation activities, analytical results and supporting conceptual site model (CSM) are presented herein. The Phase I and Phase II ESA were conducted in accordance with the Connecticut Department of Energy and Environmental Protection (CT DEEP) Site Characterization Guidance Document (SCGD).

1.1 PURPOSE AND SCOPE

The Phase II ESA was conducted to 1) evaluate potential contamination in the subsurface from documented historical releases, and 2) determine the presence or absence of contamination at areas where historical releases may have occurred. The investigation included the collection and laboratory analysis of soil and groundwater samples at targeted areas based on the CSM. The analytical data were compared to the CT DEEP Remediation Standard Regulations (RSR) to evaluate the significance of the results and compliance.

The investigation targeted the four RECs and the four AOCs identified in the Phase I ESA and listed below. Detailed descriptions of these eight potential release areas are provided in Section 1.2.5, and 1.2.6, respectively.

- REC-1: Diesel Fuel Release at the Loading Docks
- REC-2: Coolant Release from Emergency Generator
- REC-3: Historical Barn / Warehouse Fire
- REC-4: Release from Snow Removal Equipment
- AOC-1: Loading Docks, Storm Drain, and Southeast Stormwater Detention Basin
- AOC-2: Historical Agricultural Use
- AOC-3: Exterior Oil-Filled Electrical Transformers



- AOC-4: Suspected Dumping Area

1.2 PRELIMINARY CSM

A summary of the pertinent information used to develop the CSM is provided below.

1.2.1 Site Description and Use

The Property consists of approximately 19.42 acres of land developed with a single story 165,000 square foot masonry / slab on grade constructed building. The building is surrounded by asphalt parking lots and landscaped areas.

The Property is owned by Indus Development I LLC of Bloomfield CT. Eversource currently leases and operates the Property as office space for a call/data center.

1.2.2 Historical Site Use

Historically, the Property was used for agricultural land (tobacco fields) and residential dwellings. The Property was then developed with the current Site building in 2001 and occupied by JDS Uniphase (JDS), a fiber optic component manufacturer until 2004. JDS was a small quantity generator (SQG) of hazardous waste (greater than 100 kilograms and less than 1,000 kilograms per month). Manifested hazardous wastes included ignitable waste, corrosive acids, corrosive bases, and spent solvents.

Based on the information obtained and reviewed during this Phase I ESA, documentation of former hazardous waste activities were identified that indicates that the Property meets the definition of an "establishment", as defined by Connecticut General Statutes (CGS) Section 22a-134 et seq.

1.2.3 Surrounding Land use

The Property and surrounding area are zoned as "I" for industrial use. The surrounding land uses are summarized below.

- North: Blue Hills Avenue Extension (State Route 187) is a 4-lane divided road bordering the Property to the north. Community Health Resources and CIGNA office buildings are present across the road.
- South: Day Hill Road borders the Property to the south, which is also the municipal boundary between the Towns of Windsor and Bloomfield. A parcel of land across the road is used as an agricultural field and developed with an industrial building occupied by CTEC Solar, LLC (solar supplier) and Lesro Industries (furniture manufacturer).
- East: An undeveloped parcel of land adjoins the Property to the east, which includes a grassed area contiguous with landscaping from the subject Property, a wooded area, and a cleared area. This parcel was historically used for agriculture.

- West: An undeveloped parcel of land adjoins the Property to the west, which is in agricultural use (i.e., tobacco cultivation).

1.2.4 Environmental Setting

1.2.4.1 Topography

The surface topography is relatively level with gentle grades toward stormwater catch basins. The elevation range at the Property is approximately 180 to 185 feet above mean sea level (msl), except for lower points within the stormwater detention basins to the northeast and southeast.

1.2.4.2 Soil

According to the USDA Soil Conservation Service (SCS), surficial soils are mapped as sandy loam, to a depth of 16 inches, underlain by gravelly sandy loam to 24 inches below ground surface (bgs), transitioning to gravelly sand from 24 to 59 inches bgs. Field observations during the investigation were generally consistent with the mapped descriptions. Surface and shallow soils observed during sampling consisted of a brown fine to medium coarse sand with trace fine gravel, transitioning to a fine to coarse sand with depth.

1.2.4.3 Bedrock

Depth to bedrock was not evaluated or observed during the Phase II subsurface investigation, however, based on available mapping, it is estimated to be approximately 175-feet below the ground surface. The bedrock mapped for the Property is the Portland Arkose, a reddish-brown arkose sandstone.

1.2.4.4 Surface Water

The Property does not contain mapped surface water bodies, and no significant areas of standing water or other unmapped surface water bodies were observed during the Phase I or Phase II ESA. Culbro Lake is located approximately 350 feet northeast of the Property and in an office park. The Farmington River is present approximately 4,000 feet due north. Stormwater runoff will preferentially flow towards the area catch basin and detention basins, which are located in the northeast and southeast areas of the Property.

1.2.4.5 Groundwater

The Property is located within a GA groundwater classification area, indicating that groundwater is presumed suitable for use as a potable water supply without treatment. The observed depth to groundwater in soil boring and monitoring wells ranged from approximately 10 to 15 feet below ground surface (bgs). The interpreted groundwater flow direction is toward the southeast (Figure 4).



1.2.5 Recognized Environmental Conditions

The following four RECs were identified at the Property and evaluated during the Phase II ESA as release areas, as shown on Figure 2.

REC-1: DIESEL FUEL RELEASE AT THE LOADING DOCKS

A release of diesel fuel occurred at the loading dock area of the building on May 16, 2011. Diesel fuel was released to storm drains and subsequently to a detention basin located southeast of the building. The release was contained, and hard surfaces cleaned of residual fuel.

REC-2: COOLANT RELEASE FROM EMERGENCY GENERATOR

The Property uses two backup power emergency generators. One generator is located within the parking lot to the southwest of the building, and the other generator is adjacent to the west of the loading docks. Each generator contains a diesel storage tank with capacities of 4,400 gallons (adjacent to the loading dock) and 3,100 gallons (southwest of the building in the parking lot). A hose failure on emergency generator adjacent to the loading docks resulted in the release of 50-gallons of coolant to the floor of the generator enclosure, approximately 5 gallons impacted the concrete pad and gravel surface, reported to CT DEEP on June 1, 2017 and listed as closed. An environmental contractor responded to the release and performed a cleanup.

REC-3: HISTORICAL BARN/WAREHOUSE FIRE

In May 1994, a former barn/warehouse located in the southwestern portion of the Property was destroyed by a structure fire. The barn/warehouse had been used for storing pesticide, herbicides, and other chemicals. According to the Deputy Fire Marshal (Rich Shea),the fire was suppressed using water. Samples of air, surface wipes, surface water runoff from fire suppression and surface soil were collected immediately following the fire and tested for specific pesticides, which were detected in one runoff water sample.

REC-4: RELEASE FROM SNOW REMOVAL EQUIPMENT

Heavy equipment for snow removal is occasionally stored at the east end of the north parking lot. Oily pavement staining, which intersected a pavement crack, was observed in this area during the Phase I ESA site reconnaissance.

1.2.6 Areas of Concern

In addition to the RECs, listed above, the following four AOCs were identified at the Property and evaluated during the Phase II ESA as potential release areas (Figure 2).

AOC-1: LOADING DOCKS, STORM DRAIN, AND SOUTHEAST STORMWATER DETENTION BASIN



PHASE II ENVIRONMENTAL SITE ASSESSMENT

Introduction
July 28, 2021

Potential historical releases may have occurred during the transfers of chemicals and hazardous wastes; or hydraulic oil leaks from the operations of two hydraulic compactors at the loading docks. Like the diesel release identified under REC-1, other potential historical releases at the loading docks may have impacted the associated stormwater drainage system (catch basins and piping) and the detention basin. No surface staining or other visual evidence of a release was observed in this AOC during the Phase I ESA site reconnaissance.

AOC-2: HISTORICAL AGRICULTURAL USE

The west and central areas of the Property were historically used for agricultural purposes (i.e., tobacco cultivation) from before 1934 and through the 1990's. Various pesticides, fertilizers and possibly herbicides were likely applied on fields at the Property that were stored in the former barn/warehouse identified under REC-3. A former 6,750–gallon heating oil underground storage tank (UST) was used and reportedly removed adjacent to the barn/warehouse. Additionally, hazardous building materials were identified in the barn/warehouse including lead paint and asbestos containing materials (ACM).

AOC-3: EXTERIOR OIL-FILLED ELECTRICAL TRANSFORMERS

The Property contains three pad-mounted oil-filled electrical transformers. A spill of less than one gallon of oil was documented at one of the transformers, which was contained and removed. The transformer areas are located at the southeast exterior of the building, west of the loading docks, northeast of the north parking lot, and along the northwest of the building exterior.

AOC-4: SUSPECTED DUMPING AREA

Historical dumping was noted in numerous areas across the target property of a 2000 Phase I ESA, which included the subject Property. A sign was observed, during the "insert date" Site inspection at the southeast forested area of the Property that read "No Dumping". A small amount of trash was observed in this area. No other dump areas were observed on the Property during the site reconnaissance for the 2021 Phase I ESA.



2.0 FIELD SAMPLING AND ANALYSIS

In consideration of the eight potential release areas listed in Section 1.2, Stantec developed a sampling and analysis plan to evaluate the contaminants of concern (COCs) in soil and groundwater. Soil and groundwater sample locations are depicted on Figure 2.

2.1 SOIL SAMPLING

Prior to field sampling, the proposed locations were marked in the field and reviewed with Eversource. Call-Before-You-Dig (CBYD) was notified to locate public utilities, and GPRS, Inc. (GPRS) was retained to screen for on-site private utilities or other subsurface anomalies in the vicinity of the proposed sample locations. GPRS used ground penetrating radar (GPR) and electromagnetic technologies.

On May 24th and 25th, 2021, Stantec collected soil samples from the Property. Soil sample locations were located utilizing a Global Positioning System (GPS) with sub-meter accuracy. The locations of the soil samples are depicted on Figure 2.

Surface soil (0 to 0.5 feet bgs) grab samples (L1985-12 through L1985-14) were collected at the three exterior electrical transformers (AOC-3) using manual methods.

CES Environmental Services LLC was retained by Stantec and advanced twelve soil borings (L1985-1 through L1985-11, and L1985-15) using a direct-push drilling rig. Soil borings were advanced to a maximum depth of 25 feet bgs.

Soil was retrieved from each boring in five-foot intervals. The soils were inspected, screened, sampled and observations were documented on a soil boring log. Copies of the soil boring logs are included in Appendix A. Soil samples were screened for VOC using a photoionization detector (PID) and inspected for visual and olfactory evidence of contamination. Soil samples from borings were collected for laboratory analysis from the intervals exhibiting the elevated PID headspace readings, staining and/or strong odors, or the presence of debris. Low level PID readings were observed ranging from 0.0 ppm to 3.3 ppm. In general, no evidence of staining, debris, or odours were noted in the soil samples that were collected, with one exception. Concrete was observed at an approximate depth of 7.5 feet bgs in borings L1985-8 and L1985-10MW, in the area of the former barn/warehouse. In the absence of field observations for the presence of contamination, the soil sample depth interval was selected for laboratory analysis based on the CSM for the potential release.

Disposable PPE and single use sampling equipment, such as nitrile gloves and soil coring devices, respectively, were changed between sample collections. The soil samples were collected into laboratory supplied containers, preserved according to their analytical method, (e.g., Volatile Organic Compounds, (VOCs) samples were preserved via EPA Method 5035) and submitted to SGS Accutest Laboratory (SGS), a Connecticut certified laboratory under chain of custody. Following collection, samples were stored on ice until delivery to SGS.

2.2 GROUNDWATER MONITORING

Four of the soil boring locations were completed as monitoring wells (L1985-3MW, -5MW, -6MW, and -10MW). Each monitoring well was constructed using prepacked screens. The wells were finished at grade with flush-mount protectors set in concrete. Following construction, each well was purged to remove residual debris and establish hydraulic connectivity. The four wells were sampled on May 28, 2021 following a 4-day stabilization period. Copies of the groundwater sampling purge and sampling logs are including in Appendix B.

Groundwater samples were collected in accordance with low stress/low flow purge and sampling procedures. Groundwater was collected in a flow-through cell using a peristaltic pump and dedicated polyethylene and silicon tubing and monitored for pH, temperature, conductivity, oxidation reduction potential, and turbidity. Non-aqueous phase liquid (NAPL) was not observed during groundwater sampling. Stabilization of the groundwater depth and geochemical parameters was achieved over three successive readings prior to sample collection at three of the wells (L1985-3MW, 5MW, and 10MW).

Stabilization at well L1985-6MW was not achieved. Refusal was repeatedly encountered at a depth of 15.5 to 16.5 feet bgs during drilling for the well. The well was installed to a depth 16.15 feet bgs and at the beginning of sampling contained a water column of 4.65 feet. The water level did not stabilize during sampling; therefore, a grab sample was collected for laboratory analysis.

An elevation survey was conducted using an auto-level and rod to determine the relative elevations of the monitoring wells with reference to a site-specific datum. The elevation survey data and depth to groundwater data were used to prepare a groundwater contour map (Figure 3). The groundwater elevation data indicated a groundwater flow direction to the southeast.

2.3 SAMPLE HANDLING AND ANALYSIS

A total of 15 soil samples and 4 groundwater samples were collected from the locations shown on Figure-2. The soil and groundwater samples were submitted to SGS Accutest, a Connecticut certified laboratory under chain of custody. The samples were collected into laboratory supplied containers, with preservatives as appropriated for the analysis, and stored on ice. The laboratory was directed to analyse and report the results in accordance with the CT DEEP Reasonable Confidence Protocols (RCP).

Samples were collected and analyzed for the COCs associated with the respective REC and AOC. The COCs included: chlorinated herbicides, organochlorine pesticides, volatile organic compounds (VOCs), petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and target metals. The list of target metals was selected to evaluate potential releases of chemicals and wastes by JDS and for types of pesticides and herbicides that have been historically documented to contain such metals as primary components (e.g., arsenic, copper, lead, mercury, nickel, zinc, etc.). VOC analysis was performed to evaluate potential releases of chemicals and wastes from former industrial operations by JDS and specific pesticides, such as ethylene dibromide (EDB) and 1,3-dichloropropene, which were commonly used as soil fumigants for shade tobacco. Historical releases and potential past releases of petroleum products were evaluated



using analysis of extractable total petroleum hydrocarbons (ETPH), VOCs, and polynuclear aromatic hydrocarbons (PAHs). Herbicide and pesticide analysis were performed to evaluate impacts from historical agricultural land use and chemical storage in the historical barn/warehouse. Analysis for PCBs was performed to evaluate potential historical releases from oil-filled transformers and the compactors.

A summary of the samples collected, and analysis performed for each REC and AOC is provided in the table below.

Sample ID	REC/AOC	VOC 8260	CT ETPH	PAHs 8270	Metals*	PCB 8082	Pesticides 8081	Herbicides 8151
Soil Samples								
L1985-1-S2	AOC-1, REC-1, REC-2	X	X	X	X			
L1985-2-S3	AOC-1, REC-1	X	X	X	X			
L1985-3MW-S3	AOC-1, REC-1	X	X	X	X, S	X		
L1985-4-S2	AOC-1, REC-1	X	X	X	X			
L1985-5MW-S1	REC-4	X	X	X	X			
L1985-6MW-S3	AOC-2	X	X	X	X		X, S	
L-1985-7-S2	AOC-2, REC-2	X	X	X	X		X	
L1985-8- S3	AOC-2, REC-3	X	X	X	X		X	
L1985-9-S1	AOC-2,REC-3	X	X	X	X		X	X
L1985-10MW-S2	AOC-2, REC-3	X	X	X	X, S		X, S	X
L1985-11-S1	AOC-2, AOC-4	X	X	X	X		X	
L1985-12-S1	AOC-3		X			X		
L1985-13-S1	AOC-3, REC-2		X			X		
L1985-14-S1	AOC-3		X			X		
L1985-15-S1	AOC-1, AOC-2	X	X	X	X	X	X	
Groundwater Samples								
L1985-3MW	AOC-1, REC-1, AOC-2	X	X	X	X	X	X	
L1985-5MW	REC-4, AOC-2	X	X	X	X		X	
L1985-6MW	AOC-2	X	X	X	X		X	X
L1985-10MW	REC-3, AOC-2	X	X	X	X	X	X	X

Notes:
*Metals analysis included the RCRA 8 metals, plus copper, nickel, and zinc.
"X" denotes the sample was analysed for the total concentration by mass analysis.
"S" denotes the sample was analysed following SPLP extraction.
"S1" sample ID suffix denotes surface sample
"S2" sample ID suffix denotes shallow soil



"S3" sample ID suffix denotes sample collection at depth, generally at the groundwater interface or bottom of the boring (approximately 15 fbg).

2.4 INVESTIGATION DERIVED WASTE

Investigation derived waste (IDW) that was generated was containerized in drums and stored at a location designated by Eversource. IDW included soil cuttings, purged groundwater, decontamination fluids, used personal protective equipment, and disposable sampling equipment and materials (e.g. polyethylene sheeting, tubing, spatulas, etc.). The IDW is planned for disposal off the Site following accumulation during subsequent phases of investigation, if warranted.

3.0 INVESTIGATION RESULTS

3.1 RSR COMPARISON CRITERIA

The laboratory analytical results were reviewed and compared to applicable criteria provided in the RSR. The RSRs apply to sites subject to certain CT DEEP cleanup programs. Based on the Phase I ESA, the Property meets the definition of an "establishment" under the Property Transfer Law and will be required to achieve and demonstrate compliance with the RSRs. The selection of applicable comparison criteria from the RSR for the evaluation of data considered the following factors:

1) Land use for the Property is not currently restricted from residential use or soil disturbances,
2) Public water is available to the Property and surrounding area, and the
3) The groundwater classification is GA,

The analytical results were compared to the following RSR criteria.

Soil

- Residential Direct Exposure Criteria (RDEC), and
- Pollutant Mobility Criteria for GA groundwater classification areas (GA PMC), including the Groundwater Protection Criteria (GWPC) for comparison of SPLP results.

Groundwater

- Groundwater Protection Criteria (GWPC),
- Surface Water Protection Criteria (SWPC), and
- Residential Volatilization Criteria (RVC)

A summary of the soil and groundwater analytical results is provided below and summarized in Table 1 and 2, respectively. Copies of the laboratory report is included in Appendix C.

3.2 SOIL RESULTS

Soil samples were collected at the surface and varying depths for laboratory analysis. The "S1" sample ID suffix denotes surface samples, which were generally obtained from 0 to 0.5 feet bgs or below the finished surface, such as asphalt. The "S2" sample ID suffix denotes shallow soils that were generally obtained from 1 to 3 feet bgs. Soil samples at depth are denoted with suffix "S3". Samples collected at depth were obtained at the groundwater interface or bottom of the boring (approximately 15 fbg).

A review of the analytical results for soil samples is provided below. The concentrations of constituents detected in soil samples are summarized in Table 1. Copies of the laboratory analytical reports are provided in Appendix C.

- VOCs detected in soil included acetone (L1985-10MW-S2) and m,p-xylenes (L1985-5MW-S1). The reported concentrations of VOC were less than applicable RSR soil criteria.
- PAHs were detected in five soil samples (L1985-7-S2, L1985-9-S1, L1985-10MW-S2, L1985-11-S1, and L1985-15-S1). The reported PAHs included: acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene. The reported concentrations of PAHs were less than applicable RSR soil criteria.
- ETPH was detected in nine soil samples (L1985-1-S2, L1985-3MW-S3, L1985-9-S1, L1985-10MW-S2, L1985-11-S1, L1985-12-S1, L1985-13-S1, L1985-14-S1, and L1985-15-S1). The reported concentrations of EPTH were less than applicable RSR soil criteria.
- Pesticides were detected in three soil samples (L1985-7-S2, L1985-11-S1, and L1985-15-S1). The pesticides identified in the samples included 4,4' DDE, 4,4' DDT, heptachlor epoxide, and lindane (by SPLP).
    - Total DDT (4,4' DDE plus 4,4' DDT) was detected by mass analysis in all three samples. The reported concentrations of DDT in sample L1985-7-S2 was 6.2 micrograms per kilogram (µg/kg) and 33.9 µg/kg in sample L1985-15-S1, which were greater than the GA PMC (3 µg/kg). DDT was not detected in the SPLP results for sample L1985-7-S2. SPLP results were not obtained for sample L1985-15-S1.
    - Heptachlor epoxide was detected in sample L1985-7-S2 at a concentration less than the applicable RSR soil criteria.
    - Lindane was detected in the SPLP analysis from sample L1985-7-S2 at a concentration less than the GWPC.



- Herbicides were not detected in the samples at concentrations greater than the laboratory reporting limits.
- PCBs were not detected in the samples at concentrations greater than the laboratory reporting limits.
- Metals were analysed for twelve samples and detected in each sample. Each target metal was detected in one or more samples. The reported concentrations of metals were less than applicable RSR soil criteria and generally consistent with anticipated naturally occurring background conditions.

3.3 GROUNDWATER RESULTS

A review of the analytical results for groundwater samples is provided below. The concentrations of constituents detected in soil samples are summarized in Table 2. Copies of the laboratory analytical reports are provided in Appendix C.

- VOC, PAHs, PCBs, and herbicides were not detected in the groundwater samples.
- COCs were not detected in groundwater samples from wells L1985-3MW and L1985-10MW.
- ETPH was the only COC detected in well L1985-5MW, which was reported at a concentration less than the applicable RSR criteria.
- The following compounds were detected in the groundwater sample from well L1985-6MW:
    - ETPH was detected at concentration of 1.05 milligrams per litre (mg/l), which is greater than the SWPC of 0.25 mg/l. ETPH was not detected in well L1985-3MW, which is down-gradient.
    - Heptachlor epoxide was detected at a concentration less than the applicable RSR groundwater protection criteria.
    - Total DDT was detected at a concentration less than applicable RSR groundwater protection criteria.
    - Metals copper, lead, and nickel were detected at concentrations less than applicable RSR groundwater protection criteria.

3.4 DATA QUALITY / USABILITY

Soil and groundwater samples were submitted to SGS Accutest in Dayton, NJ (a CT Certified Laboratory) for laboratory analysis under Chain-of-Custody Protocols. SGS provided the analytical results in the



following five laboratory report deliverables: JD25566 (soil samples), JD25514 (soil samples), JD25514r (SPLP analysis for soil), JD25566r (SPLP analysis for soil), JD25798 (groundwater samples). SGS adhered to Connecticut Reasonable Confidence Protocols (RCP) and the required RCP reporting information is included with the laboratory analytical reports in Appendix C.

A review of the case narratives and QA/QC summaries was performed. Laboratory reporting limits for the samples were below the applicable CT RSR Criteria. The samples were received within temperature requirements (less than 4°celcius). The case narratives indicated that several compounds were qualified as out of range in the continuing calibration, and the relative percent difference (RPD) exceeded the threshold in a few instances. These non-conformances noted in the reports were further evaluated using the QA/QC summary data. Several of the non-conformances were related to analysis of sample dilutions, low initial concentrations, or poorly performing compounds. The non-conformances did not affect the usability of the data because the results were either biased high, the COC was not detected, and/or the compounds were not a COC for the Site.

Field QA/QC sampling included equipment blanks and trip blanks. Equipment rinse water was collected to confirm decontamination procedures were sufficient. No detections of the COCs were identified in the equipment blanks. Acetone was detected in one trip blank, however acetone is a common laboratory background contaminant. Acetone was also detected in one shallow soil sample (L1985-10MW-S2) at a low concentration (6.6 µg/kg), which is attributed to a laboratory artifact at this time.



4.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

Stantec has completed a Phase II ESA to evaluate the RECs and AOCs identified in the Stantec 2021 Phase I ESA report. The Property has been historically used for residential, agricultural, and manufacturing purposes. Several documented releases have occurred on the Property that include: a diesel fuel release at the loading docks (REC-1), a coolant release (REC-2), a barn/warehouse fire where pesticides were stored in bulk (REC-3), and a petroleum release from heavy equipment storage (REC-4). In addition to the documented releases, the potential for releases of other substances and at other areas of the Property were identified at four AOCs, which include: the loading docks and associated stormwater system (AOC-1), the historical agricultural activities (AOC-2), three exterior oil-filled transformers (AOC-3), and a suspected dumping area (AOC-4). Each of these four AOCs and four RECs were investigated during the Phase II ESA. The subsurface investigation included sampling and analysis of soil and groundwater samples. The COCs detected in soil and groundwater samples are consistent with historical site operations and the designated RECs and AOCs.

4.1 OVERVIEW OF SAMPLING RESULTS

Detections of COCs in soil above background levels are indicative that a release has occurred. Samples with concentrations of COCs in soil (VOCs, PAHs, pesticides, and ETPH) above background levels were located in the vicinity of AOC-1 (L1985-15), REC-2 and AOC-2 (L1985-7), REC-3 (L1985- 9, -10), REC-4 (L1985-5) and AOC-4 (L1985-11). Pesticide concentrations exceeded the GA PMC in shallow soil at boring location L1985-7 and in surface soil at boring location L1985-15.

Groundwater was investigated to evaluate site-wide conditions and historical releases from RECs. COCs were detected in two of the four monitoring wells (L1985-5MW and L1985-6MW) that were installed during this investigation. ETPH was also detected in L1985-5MW at a concentration less than applicable RSR criteria, which is attributed to a release from REC-4. ETPH was detected at concentrations exceeding the SWPC in L1985-6MW, which is attributed to historical agricultural uses (AOC-2). ETPH and pesticides were not detected in down-gradient groundwater samples.

4.2 CONCEPTUAL SITE MODEL UPDATE

The observations and results from the Phase II ESA investigation were used to update the CSM. The investigation findings were incorporated into the environmental setting and summaries of the RECs and AOCs provided below.

REC-1: DIESEL FUEL RELEASE AT THE LOADING DOCKS

A surface release of diesel fuel occurred at the loading dock area of the building on the Property on May 16, 2011, which was contained, and hard surfaces cleaned of residual fuel. Sample locations associated with this REC are L1985-1, -2, -3MW, and -4 were used to evaluate surface and shallow soil and groundwater. The COCs identified for this REC included ETPH and PAHs. ETPH was detected in two



soil samples at concentrations an order of magnitude less than the applicable RSR Criteria and considered low. COCs were not detected in groundwater. Staining and NAPL were not observed in soil or groundwater. Although the soil analytical results confirmed that a release occurred, the investigation did not identify a significant adverse impact to the subsurface that is indicative of a condition warranting further characterization or remediation.

REC-2: COOLANT RELEASE FROM EMERGENCY GENERATOR

The Property uses two backup power emergency generators. One generator is located within the parking lot to the southwest of the building, and the other generator is adjacent to the west of the loading docks. Each generator contains a diesel storage tank with capacities of 4,400 gallons (adjacent to the loading dock) and 3,100 gallons (southwest of the building in the parking lot). A hose failure on emergency generator adjacent to the loading docks resulted in the release of 50-gallons of coolant to the floor of the generator enclosure, approximately 5 gallons impacted the concrete pad and gravel surface, reported to CT DEEP on June 1, 2017 and listed as closed. An environmental contractor responded to the release and performed a cleanup.

The COCs identified for this REC included ETPH and PAHs. Sample locations associated with this AOC are L1985-1. -7, and -13 and were used to evaluate surface and shallow soil. ETPH was detected in surface soil at the generator west of the loading docks, and PAHs were detected in surface soil at the southwest generator. The concentrations of ETPH and PAHs detected in soil were less the applicable RSR Criteria and considered low. Although the soil analytical results confirmed that a surface release occurred at these two areas, the investigation did not identify a significant adverse impact to the subsurface that is indicative of a condition warranting further characterization or remediation.

REC-3: HISTORICAL BARN/WAREHOUSE FIRE

In May 1994, the former barn/warehouse located in the southwestern portion of the Property was destroyed by a structure fire, which had been used for storing pesticide, herbicides, and other chemicals. A former heating oil UST was also associated with this building. The COCs identified for this REC included: VOCs, ETPH, PAHs, target metals (RCRA 8, plus Cu, Ni, Zn), pesticides, and herbicides. Sample locations used to investigate this AOC were L1985-8, -9, and -10MW. These locations were used to evaluate soil at varying depths in consideration of the former structure elevations and UST, and also groundwater. ETPH and thirteen PAHs were detected above background concentrations in two samples. COCs were not detected in groundwater. Staining and NAPL were not observed in soil or groundwater. The soil analytical results confirmed that a release occurred in this area. Although the reported concentrations of COCs in soil were less than the applicable RSR criteria, given the levels of PAH compounds detected at more than location, further characterization is warranted.

REC-4: RELEASE FROM SNOW REMOVAL EQUIPMENT

A petroleum release was observed at the east end of the north parking lot from the temporary storage of heavy equipment. The COCs identified for this REC included: VOCs, ETPH, PAHs, and target metals (RCRA 8, plus Cu, Ni, Zn). Sample location L1985-5MW was used to characterize surface soil, shallow



soil, and groundwater for this area. One VOC (m,p-xylene) was detected in soil and ETPH was detected in groundwater. The concentrations of detected COCs were above background, but below applicable RSR criteria. Staining and NAPL were not observed in soil or groundwater. Although the soil and groundwater analytical results confirmed that a release occurred, the investigation did not identify a significant adverse impact to the subsurface that is indicative of a condition warranting further characterization or remediation.

AOC-1: LOADING DOCKS, STORM DRAIN, AND SOUTHEAST STORMWATER DETENTION BASIN

Potential historical surface releases may have occurred during the transfers of chemicals and hazardous wastes; or hydraulic oil leaks from the operations of two hydraulic compactors at the loading docks. Surface releases at the loading docks may have impacted the associated stormwater drainage system (catch basins and piping) and the detention basin. The COCs identified for this REC included: VOCs, ETPH, PAHs, target metals (RCRA 8, plus Cu, Ni, Zn), pesticides, herbicides, and PCBs. Sample locations associated with this AOC are L1985-1, -2, -3MW, -4, and -15 which were used to evaluate soil at varying depths and groundwater. ETPH was detected in three soil samples at concentrations an order of magnitude less than the applicable RSR Criteria. Although the soil analytical results confirmed that a release occurred in the loading dock area, the investigation did not identify a significant adverse impact to the subsurface that is indicative of a condition warranting further characterization or remediation.

In addition to ETPH, PAHs and pesticides were detected at L1985-15 (detention basin). The concentration of DDT was greater than the GA PMC. The investigation identified DDT in surface soil in the detention basin above the RSR and further characterization is warranted.

AOC-2: HISTORICAL AGRICULTURAL USE

Historically, various pesticides, fertilizers and possibly herbicides were likely applied on the surface of fields at the west and central areas of the Property. Historical agricultural use includes the operations at the former barn/warehouse identified under REC-3. The COCs identified for this AOC included: VOCs, ETPH, PAHs, target metals (RCRA 8, plus Cu, Ni, Zn), pesticides, and herbicides. Sample locations L1985-6MW -7, -8, -9, -10MW, -11, and -15 were used to evaluate surface soil and shallow soil, and groundwater at this AOC. The pesticide DDT was detected in one surface soil sample (L1985-15-S1) and one shallow soil sample (L1985-7-S2) at concentrations exceeding the GA PMC. However, SPLP data at location L1985-7 was less than the GWPC, which indicates the concentration at that location meets the RSR requirements. DDT was detected in groundwater at L1985-6MW at a concentration less than the applicable RSR groundwater criteria and was not detected in the three other monitoring wells. The concentrations of pesticides observed in soil and groundwater were generally consistent with the application and not indicative of a point-source release. As mentioned under AOC-1, the investigation identified an impact of DDT to surface soil in the detention basin that is indicative of a condition warranting further characterization.

ETPH was also detected in L1985-6MW at a concentration exceeding the SWPC. The source of this ETPH is attributed to historical site use and may have been elevated due to elevated turbidity in the



groundwater. ETPH was not detected in down-gradient monitoring wells. Further characterization of ETPH in groundwater is warranted.

AOC-3: EXTERIOR OIL-FILLED ELECTRICAL TRANSFORMERS

The Property contains three pad-mounted oil-filled electrical transformers. A surface spill of less than one gallon of oil occurred at one unit (not identified), which was contained and removed. The COCs identified for this AOC included: PCBs and ETPH. Sample locations L1985-12, -13, and -14 were used to evaluate surface soils at the transformers. PCBs were not detected in the three soil samples or groundwater samples above laboratory concentrations. ETPH was detected in the three soil samples at concentrations an order of magnitude less than the applicable RSR Criteria and considered low. Staining and NAPL were not observed in soil. Although the soil analytical results confirmed that a release occurred, the investigation did not identify a significant adverse impact to the subsurface that is indicative of a condition warranting further characterization or remediation.

AOC-4: SUSPECTED DUMPING AREA

A suspected historical dumping area on the Property is located at the southeast corner. Historical dumping was noted in a 2000 Phase I ESA which included the subject Property, and a “No Dumping” sign was posted in this area and observed during the 2021 Phase I ESA Site inspection. The COCs identified for this AOC included: VOCs, ETPH, PAHs, and target metals (RCRA 8, plus Cu, Ni, Zn). Pesticides were also analyzed as part of the evaluation for AOC-2. Sample location L1985-11 was used to evaluate soils at the surface and varying depths. COCs detected in soil above background concentrations were PAHs, ETPH, and pesticides. The reported concentrations were less than the applicable RSR soil criteria. Although the soil analytical results confirmed that a release occurred, the investigation did not identify a significant adverse impact to the subsurface that is indicative of a condition warranting further characterization or remediation.

4.3 RECOMMENDATIONS

The Phase II ESA investigation results confirmed that releases occurred in three areas that require additional investigation (REC-3, AOC-1, and AOC-2). Stantec recommends that further investigation is warranted in these areas to fully characterize the release areas and determine if remediation is necessary. Although, the investigation results for REC-1, REC-2, REC-4, AOC-3, and AOC-4 identified environmental impacts, further characterization or remediation of soil at these five release areas is not warranted.

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5.0 STATEMENT OF LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. These opinions have been arrived at in accordance with currently accepted environmental industry standards and practices applicable to the work described in this report. The opinions presented are subject to the following inherent limitations:

1. This report was prepared for the exclusive use of the entity referenced in Section 1.0. No other entity may rely on the information presented in the report without the expressed written consent of STANTEC. Any use of the report constitutes acceptance of the limits of STANTEC's liability. STANTEC's liability extends only to its client and not to any other parties who may obtain the report.

2. STANTEC derived the data in this report primarily from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the site, analysis of the data, and reevaluation of the findings, observations, and conclusions in the report.

3. The data reported, and the findings, observations, and conclusions expressed in the report are limited by the scope of work. The scope of work was agreed to by the client.

4. STANTEC's investigations present professional opinions and findings of a scientific and technical nature. The report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies.

5. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.

6. This report is based, in part, on unverified information supplied to STANTEC by third-party sources. While efforts have been made to substantiate this third-party information, STANTEC cannot guarantee its completeness or accuracy.



6.0 REFERENCES

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TABLES



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TABLE 1
SUMMARY CONSTITUENTS DETECTED IN SOIL SAMPLES
1985 BLUE HILLS AVENUE EXTENSION
WINDSOR, CT

Client Sample ID:		GA Pollutant Mobility	Residential Direct Exposure	L1985-1-S2	L1985-2-S3	L1985-3MW-S3	L1985-4-S2	L1985-5MW-S1	L1985-6MW-S3	L1985-7-S2	L1985-8-S3	L1985-9-S1	L1985-10MW-S2	L1985-11-S1	L1985-12-S1	L1985-13-S1	L1985-14-S1	L1985-15-S1
Lab Sample ID:				JD25566-3	JD25566-4	JD25514-6	JD25566-5	JD25514-9	JD25514-10	JD25566-2	JD25514-5	JD25514-8	JD25514-7	JD25566-1	JD25514-1	JD25514-2	JD25514-3	JD25514-4
Date Sampled:		6/13)		5/25/2021	5/25/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/24/2021
Sample Depth:				1-3'	10-11'	10-11'	1-3'	0.5-1'	12-14'	1-3'	15-16'	0-0.5'	1-3'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
MS Volatiles (SW846 8260D)																		
Acetone	ug/kg	14000	500000	ND (5.6)	ND (6.3)	ND (5.9)	ND (5.6)	ND (6.3)	ND (5.9)	ND (6.2)	ND (7.5)	ND (9.3)	6.6	ND (7.1)	-	-	-	ND (7.0)
m,p-Xylene	ug/kg	19500	500000	ND (0.56)	ND (0.63)	ND (0.59)	ND (0.56)	0.84	ND (0.59)	ND (0.62)	ND (0.75)	ND (0.93)	ND (0.50)	ND (0.71)	-	-	-	ND (0.70)
MS Semi-volatiles (SW846 8270E)																		
Acenaphthylene	ug/kg	8400	1000000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	84.4	62.4	ND (36)	-	-	-	ND (36)
Anthracene	ug/kg	40000	1000000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	87.6	64.8	ND (36)	-	-	-	ND (36)
Benzo(a)anthracene	ug/kg	1000	1000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	266	214	ND (36)	-	-	-	73.7
Benzo(a)pyrene	ug/kg	1000	1000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	300	247	ND (36)	-	-	-	67.8
Benzo(b)fluoranthene	ug/kg	1000	1000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	41.8	ND (33)	393	386	40.9	-	-	-	109
Benzo(g,h,i)perylene	ug/kg	1000	8400	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	222	193	ND (36)	-	-	-	59.9
Benzo(k)fluoranthene	ug/kg	1000	8400	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	131	162	ND (36)	-	-	-	ND (36)
Chrysene	ug/kg	1000	84000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	332	318	ND (36)	-	-	-	94.6
Dibenzo(a,h)anthracene	ug/kg	1000	1000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	55.4	44.3	ND (36)	-	-	-	ND (36)
Fluoranthene	ug/kg	5600	1000000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	58.9	ND (33)	486	487	45.6	-	-	-	137
Indeno(1,2,3-cd)pyrene	ug/kg	1000	1000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (33)	232	218	ND (36)	-	-	-	62
Phenanthrene	ug/kg	4000	1000000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	34.4	ND (33)	336	321	ND (36)	-	-	-	131
Pyrene	ug/kg	4000	1000000	ND (33)	ND (40)	ND (34)	ND (34)	ND (34)	ND (34)	59.5	ND (33)	798	587	55.4	-	-	-	277
GC/LC Semi-volatiles (CT-ETPH)																		
CT-DRO (C9-C36)	mg/kg	500	500	16	ND (8.3)	11	ND (6.4)	ND (7.2)	ND (6.5)	ND (7.0)	ND (6.4)	61.4	58.2	34.1	10.4	73.8	36.9	41.4
GC/LC Semi-volatiles (SW846 8151A)																		
Herbicides	mg/kg	-	-	-	-	-	-	-	-	-	-	BDL	BDL	-	-	-	-	-
Pesticides (SW846 8081B)																		
4,4'-DDE	ug/kg	-	-	-	-	-	-	-	ND (0.64)	2.6	ND (0.65)	ND (0.70)	ND (0.70)	ND (0.74)	-	-	-	14.7
4,4'-DDT	ug/kg	3	1800	-	-	-	-	-	ND (0.64)	**3.6**	ND (0.65)	ND (0.70)	ND (0.70)	**2.5**	-	-	-	**19.2**
DDT (total)	ug/kg	3	1800	-	-	-	-	-	BDL	**6.2**	BDL	BDL	BDL	**2.5**	-	-	-	**33.9**
Heptachlor epoxide	ug/kg	20	67	-	-	-	-	-	ND (0.64)	1.1	ND (0.65)	ND (0.70)	ND (0.70)	ND (0.74)	-	-	-	ND (0.74)
PCB (SW846 8082A)																		
Total PCB	ug/kg	-	1000	-	-	BDL	-	-	-	-	-	-	-	-	BDL	BDL	BDL	BDL
Metals Analysis																		
Arsenic	mg/kg	-	10	<2.1	1.5	<2.0	<2.2	<2.2	<2.1	<2.2	<2.0	3.7	3.6	3	-	-	-	2.9
Barium	mg/kg	-	4700	<21	16.3	<20	<22	<22	<21	<22	22.1	37	42.6	23	-	-	-	<23
Cadmium	mg/kg	-	34	<0.52	<0.35	<0.49	<0.54	<0.55	<0.52	<0.54	<0.49	<0.56	0.67	<0.56	-	-	-	<0.58
Chromium	mg/kg	-	3900	3.6	5.4	9.6	3.9	6.4	5	5.9	3.9	12	10.6	12.9	-	-	-	8.6
Copper	mg/kg	-	2500	6.5	5.7	5.9	4	5.2	3.2	4.9	3.4	14.2	20.3	10.9	-	-	-	21
Lead	mg/kg	-	400	4.1	2.7	5.2	2.3	6.6	2.8	4.3	2.3	45	35.7	8.2	-	-	-	21.8
Mercury	mg/kg	-	20	<0.033	<0.035	<0.030	<0.031	<0.036	<0.034	<0.032	<0.031	0.07	0.033	<0.034	-	-	-	<0.037
Nickel	mg/kg	-	1400	<4.1	5	7.3	4.8	6.1	5.3	21.8	4.2	8.6	11.4	10.1	-	-	-	6.5
Selenium	mg/kg	-	340	<2.1	<1.4	<2.0	<2.2	<2.2	<2.1	<2.2	<2.0	<2.2	<2.4	<2.2	-	-	-	<2.3
Silver	mg/kg	-	340	<0.52	0.38	<0.49	<0.54	0.98	<0.52	<0.54	<0.49	<0.56	<0.59	0.69	-	-	-	<0.58
Zinc	mg/kg	-	20000	15.2	13.6	17.2	9.6	21.1	10.4	18.3	9.6	56.6	61.8	35.9	-	-	-	41.3
SPLP Pesticides (SW846 8081B)																		
gamma-BHC (Lindane)	mg/l	0.0002	-	-	-	-	-	-	ND (0.000010)	0.00015	-	-	ND (0.000010)	-	-	-	-	-
SPLP Metals Analysis																		
Arsenic	ug/l	50	-	-	-	<100	-	-	-	-	-	-	<100	-	-	-	-	-
Barium	ug/l	1000	-	-	-	<200	-	-	-	-	-	-	<200	-	-	-	-	-
Cadmium	ug/l	5	-	-	-	<4.0	-	-	-	-	-	-	<4.0	-	-	-	-	-
Chromium (total)	ug/l	50	-	-	-	<10	-	-	-	-	-	-	<10	-	-	-	-	-
Lead	ug/l	15	-	-	-	<15	-	-	-	-	-	-	<15	-	-	-	-	-
Mercury	mg/l	0.002	-	-	-	<0.00020	-	-	-	-	-	-	<0.00020	-	-	-	-	-
Selenium	ug/l	50	-	-	-	<100	-	-	-	-	-	-	<100	-	-	-	-	-
Silver	ug/l	36	-	-	-	<10	-	-	-	-	-	-	<10	-	-	-	-	-

Footnotes:

ND (##) = Not Detected (reporting limit)

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only, inclusive of Additional Polluting Substance Alternative Criteria (September 2018).

Analytical result detected above laboratory reporting limits.

Result exceeded regulatory criteria.

ug/kg = microgram per kilogram

ug/l = micrograms per liter

mg/kg= milligrams per kilogram

BDL = below detections limits for sum of compounds

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TABLE 2
SUMMARY OF CONSTITUENTS DETECTED IN GROUNDWATER SAMPLES
1985 BLUE HILLS AVENUE EXTENSION, WINDSOR CT

Monitoring Well Location ID:		Groundwater Protection Criteria	Surface Water Protection Criteria	L1985-3MW	L1985-5MW	L1985-6MW	L1985-10MW
Lab Sample ID:				JD25798-4	JD25798-2	JD25798-1	JD25798-3
Date Sampled:				5/28/2021	5/28/2021	5/28/2021	5/28/2021
GC/LC Semi-volatiles (CT-ETPH)							
CT-DRO (C9-C36)	mg/l	-	0.25	ND (0.10)	0.187	1.05	ND (0.098)
GC/LC Semi-volatiles (SW846 8081B)							
4,4'-DDE	ug/l	-	-	ND (0.0065)	ND (0.0065)	0.022	ND (0.0067)
4,4'-DDT	ug/l	0.1	0.05	ND (0.0065)	ND (0.0065)	0.024	ND (0.0067)
DDT (total)	ug/l	0.1	0.05	BDL	BDL	0.046	BDL
Heptachlor epoxide	ug/l	0.2	0.05	ND (0.0065)	ND (0.0065)	0.012	ND (0.0067)
Metals Analysis							
Copper	ug/l	1300	48	ND (10)	ND (10)	10.2	ND (10)
Lead	ug/l	15	13	ND (3.0)	ND (3.0)	4.6	ND (3.0)
Nickel	ug/l	100	880	ND (10)	ND (10)	11.9	ND (10)
MS Volatiles (SW846 8260D)							
VOCs	ug/l	-	-	BDL	BDL	BDL	BDL
MS Semi-volatiles (SW846 8270E)							
PAHs	ug/l	-	-	BDL	BDL	BDL	BDL
GC/LC Semi-volatiles (SW846 8082A)							
PCBs	ug/l	-	-	BDL	-	-	BDL
GC/LC Semi-volatiles (SW846 8151A)							
Herbicides	ug/l	-	-	-	-	BDL	BDL

Footnotes:

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only, inclusive of Additional Polluting Substance Alternative Criteria (September 2018).

Result exceeded regulatory criteria.

ND (##) = Not Detected (reporting limit)

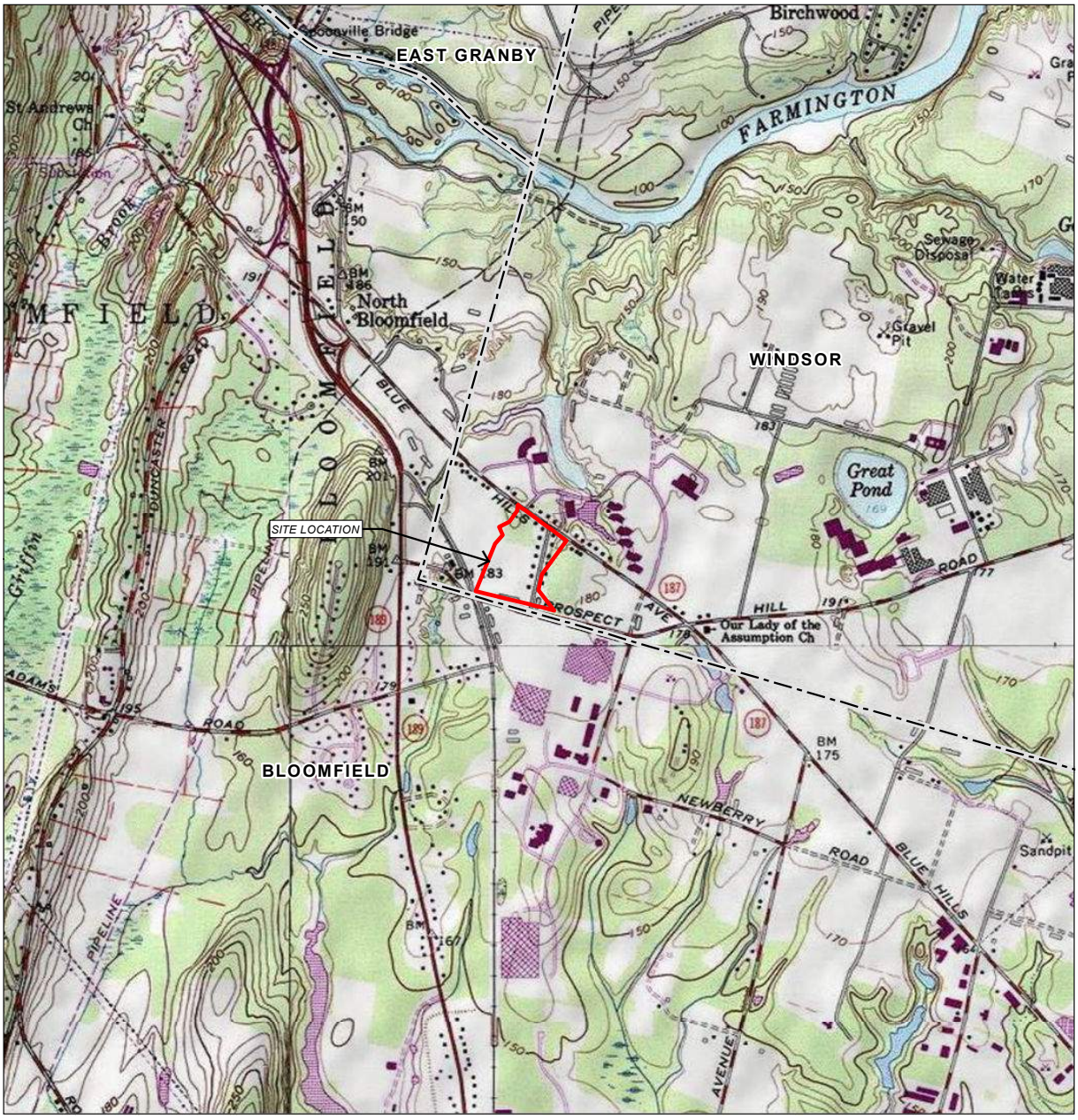
ug/l = micrograms per liter

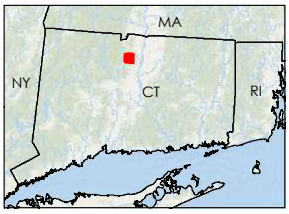
mg/l = milligrams per liter

BDL = below detections limits for sum of compounds

FIGURES







Legend
Approximate Site Location

0 2,000 Feet
(At original document size of 8.5x11)
1:24,000

N

Notes
1. Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet
2. Background: USGS Topographic Map provided by ESRI Web Mapping Service: Hartford North, Avon, Tariffville, Windsor Locks Quadrangles

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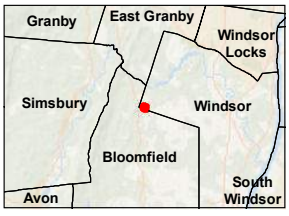
Project Location	Prepared by PWB on 2021-06-07
Windsor, Connecticut	TR Review by KWH on 2021-06-07
	IR Review by EB on 2021-06-07
Client/Project	195602175
Eversource Energy Service Company	
Phase II ESA	
1985 Blue Hills Ave. Ext., Windsor, CT	
Figure No.	
1	
Title	
Site Location Map	

V:\1956\active\195602175\03_data\gis_cad\gis\MXDs\2175_01_1985_SiteLocation.mxd Revised: 2021-06-07 By: pbarbera

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.





Legend
- Soil Boring
- Surface Hand Sample
- "No Dumping" Sign
- Historical Roadway
- Historical Barn
- Tax Parcel

0 150 Feet
(At original document size of 8.5x11)
1:1,800

N

Stantec

Project Location
Windsor, Connecticut

Prepared by PWB on 2021-07-16
TR Review by KWH on 2021-07-16
IR Review by EB on 2021-07-16

Client/Project
195602175
Eversource Energy Service Company
Phase II ESA
1985 Blue Hill Ave. Ext., Windsor, CT

Figure No.
2

Title
Site Plan

Notes
1. Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet
2. Data Sources: CT DEEP
3. Background: Aerial Orthoimagery provided by CTECO, 2019

V:\1956\active\195602175\03_data\gis_cad\gis\MXDs\2175_02_1985_Phase2_SitePlan.mxd Revised: 2021-07-16 By: pbarbera

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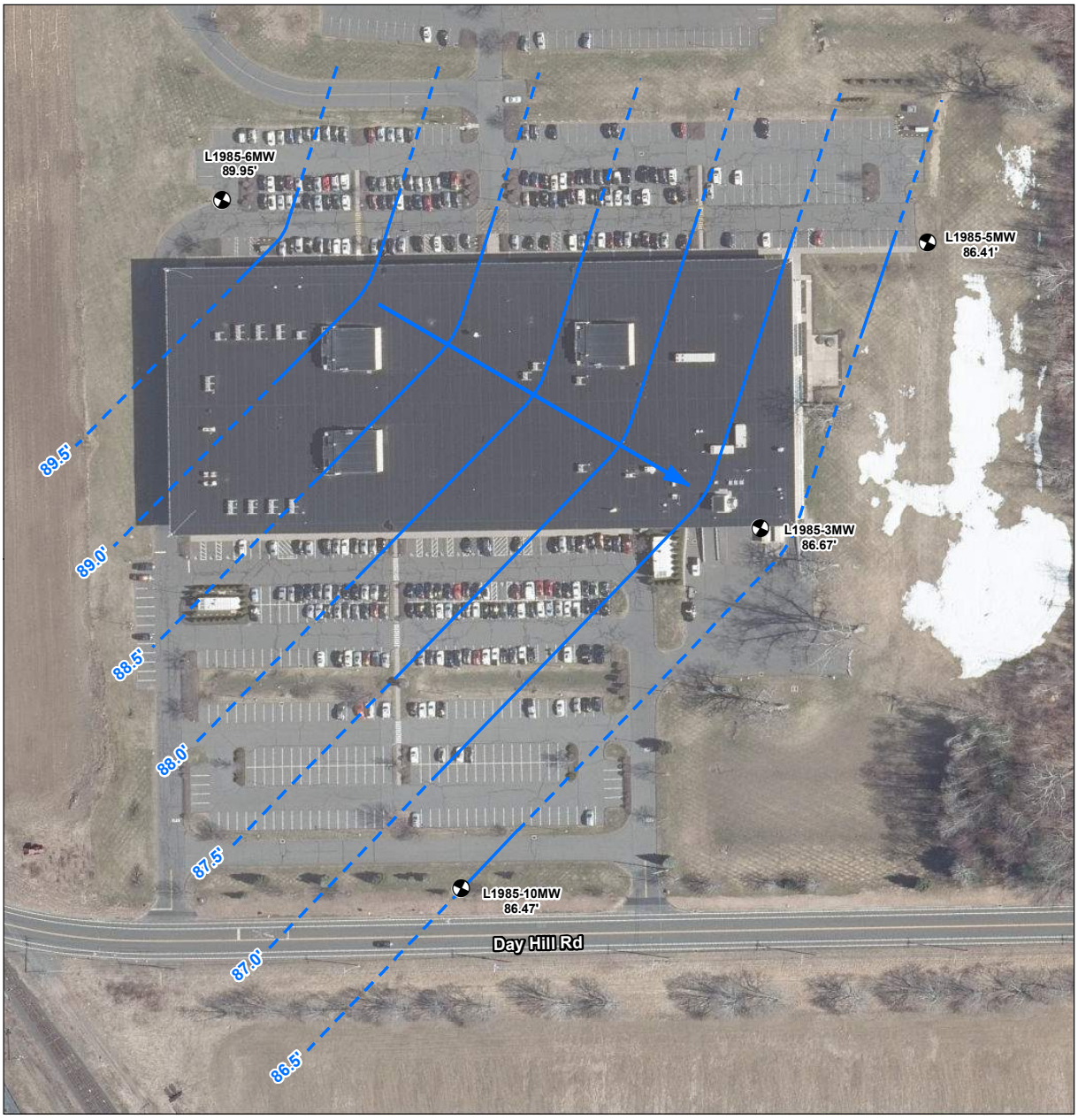

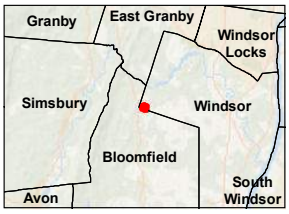

Legend

- Monitoring Well with Groundwater Elevation
- Groundwater Flow Direction
- Groundwater Contour (dashed where inferred)

0 150 Feet

(At original document size of 8.5x11)
1:1,800

N

Stantec

Project Location	Prepared by PWB on 2021-06-09
Windsor, Connecticut	TR Review by KWH on 2021-06-09
	IR Review by EB on 2021-06-09
Client/Project	195602175

Eversource Energy Service Company
Limited Phase II Subsurface Investigation
Windsor, CT

Figure No.
3

Title
Groundwater Elevation Map

Notes
1. Coordinate System: NAD 1983 StatePlane Connecticut FIPS 0600 Feet.
2. Data Sources: CT DEEP, Stantec.
3. Groundwater elevations referenced to site-specific datum.
4. Background: Aerial Orthoimagery provided by CTECO, 2019.

V:\1956\active\195602175\03_data\gis_cad\gis\MXDs\2175_05_1985_GW_Contours.mxd Revised: 2021-06-11 By: pbarbera

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APPENDIX A
SOIL BORING LOGS

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-1 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: 5/25/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): WELL CASING DIA. (in): LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 15 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-3" Concrete 3-7" Gray granular fill sum fine angular gravel 7-16" reddish-brown fine-medium sand trace fine gravel 16-34" Dark brown medium-coarse silty sand trace fine gravel					3.3	
				S2 1-3	0930 L1985-1-S2	2.83 /5			
5			0-24" Dark brown medium-coarse silty sand trace fine gravel 24-34" Fine to medium Brown Sand			2.83 /5		0.0	5
10			0-34" Fine to medium brown sand. Saturated from 0"			2.83 /5		0.0	10
15									15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-2 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: 5/25/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): WELL CASING DIA. (in): LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 15 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-5" Concrete 5-7" Gray granular fill material 7-16" Reddish-Brown fine-medium sand trace fine gravel 16-40" Brown fine-coarse sand trace fine gravel			3.33/5		0.0	
5			0-36" Brown fine-coarse sand trace fine gravel 36-37" Brown fine sand trace micaceous silt			3.1/5			5
10			0-12" Brown fine sand trace micaceous silt 12-41" Fine silty sand, saturated	S3 gwt	0945 L1985-2-S3	3.4/5			10
15									15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-3MW Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Installation STARTED COMPLETED: 5/24/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): 10.19 WELL CASING DIA. (in): 2" LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): 19.49 BOREHOLE DEPTH (ft): 15 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-10" Concrete 10-36" Brown sandy fill material sum fine gravel 36-43" Brown fine-coarse sand			3.6/5		0.9	
5			0-36" Brown fine-coarse sand			3/5			5
10			0-44" Brown fine-coarse sand 44-50" Reddish brown silt Saturated from 0" Screened Interval = 9.49' to 19.49'	S3 gwt	0900 L1985-3MW-S3	4.2/5			10
15									15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-4 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: 5/25/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): WELL CASING DIA. (in): LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 15 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-3" Concrete 3-10" Gray granular fill trace fine gravel 10-23" reddish brown fine-coarse sand 23-33" Brown fine-coarse sand trace fine gravel	S2 1-3'	1000 L1985-4 -S2	2.8/5		2.3	
5			0-17" Brown fine-coarse sand trace fine gravel 17-33" Brown fine-medium silty sand			2.8/5			5
10			0-2" Brown fine-medium silty sand 2-19" Brown sandy silt Saturated from 2" 19-32" Brown silt			2.7/5			10
15									15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-5MW Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Installation STARTED COMPLETED: 5/24/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): 13.50 WELL CASING DIA. (in): 2" LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): 21.69 BOREHOLE DEPTH (ft): 15 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-7" Asphalt 7-28" Brown fine-medium sand trace fine gravel 28-39" Brown fine-coarse sand trace fine gravel	S1 0.5-2'	1230 L1985 -5MW-S1	3.25 /5		1.4	
5			0-33" Brown fine-coarse sand trace fine gravel			2.75 /5			5
10			0-22" Brown fine-coarse sand trace fine gravel Saturated from 12" 22-36" Brown silt Screened Interval 11.69'-21.69'			3/5			10
15									15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-6MW Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Installation STARTED COMPLETED: 5/24/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): 11.50 WELL CASING DIA. (in): 2" LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): 16.15 BOREHOLE DEPTH (ft): 16.15 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-8" Dark brown sand, high organic content 8-9" Asphalt 9-27" Brown medium sand trace fine gravel 27-41" Brown fine-coarse sand trace fine gravel			3.4/5		0.4 1.3	
5			0-39" Brown fine-coarse sand trace fine gravel Mottling at 4" Bands of silt at 28"			3.25 /5			5
10			0-6" Brown fine-coarse sand trace fine gravel 6-14" Brown clayey sand 14-20" Brown coarse sand trace angular gravel, saturated 20-30" Red clayey sand 30-34" Red sandstone 34-42" Reddish brown silty sand	S3 12-14' gwt	1300 L1985-6MW-S3	3.5/5			10
15			Refusal encoutered during casing insertion at ~16.25' Screened interval 11.15-16.25'						15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-7 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: 5/25/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): WELL CASING DIA. (in): LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 15 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-2" High organic (wood mulch) 2-7" Brown fine silty sand 7-36" Brown medium-coarse sand trace fine round gravel 36-37" Brown fine sand	S2 1-3'	0915 L1985-7-S2	3.1 /5			
5			0-36" Brown fine sand trace micaceous silt 36-37" Fine silty sand			3.1/5			5
10			0-19" Brown fine-medium silty sand 19-35" Brown medium-coarse sand trace fine gravel Wet from 19"						10
15									15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-8 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: 5/24/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): WELL CASING DIA. (in): LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 20 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-32" Brown sand high-organic content 32-42" Reddish-brown sandy clay trace fine gravel			3.5/5		1.2	
5			0-28" Reddish-brown sandy clay trace fine gravel 28-31" Pulverized concrete 31-36" Brown fine-coarse sand, damp			3/5			5
10			0-41" Brown fine-coarse sand			3.4/5			10
15			0-9" Brown fine-coarse sand 9-12" Reddish-brown clay 12-32" Brown fine silty sand Bands of silt at 26" Wet from 12"	S3 gwt	0930 L1985-8-S3	2.7/5			15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-9 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): WELL CASING DIA. (in): LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 20 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-27" Brown sand, high-organic content 27-50" Reddish-brown fine-medium sand trace fine gravel	0-0.5'	0800 L1985-9-S1	4.2/5		0.0 0.4	
5			0-22" Reddish-brown fine-medium sand trace fine gravel 22-24" Brown medium-coarse sand sum medium gravel			2/5			5
10			0-43" Brown medium-coarse sand sum medium gravel			3.6/5			10
15			0-38" Brown medium-coarse sand grading coarser with depth sum medium gravel Mottling at 12" Wet from 24"			3.2/5		0.5	15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-10MW Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Installation STARTED COMPLETED: 5/24/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): 16.99 WELL CASING DIA. (in): 2 LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): 29.52 BOREHOLE DEPTH (ft): 25 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-22" Brown medium sand 22-35" Reddish-brown fine clayey sand trace gravel, clay content increasing with depth Band of crushed basaltic stone at 31"			2.9/5		0.2	
				1-3'	0830 L1985-10MW-S2			1.4	
5			0-24" Reddish-brown fine clayey sand trace gravel, clay content increasing with depth 24-28" Concrete 28-35" Brown fine-coarse sand trace gravel			2.9/5		1.8	5
10			0-40" Brown fine-coarse sand trace gravel Mottling at 20"			3.3/5			10
15			0-37" Brown fine-coarse sand trace gravel, moist			3.1/5			15
20			0-55" Brown fine-coarse sand trace gravel Saturated from 5" Silty at 42"			5/5			20
			Screened 19.52'-29.52'						

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-11 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: 5/25/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): EASTING (ft): LAT: LONG: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): WELL DEPTH (ft): STATIC DTW (ft): BOREHOLE DEPTH (ft): 15 WELL CASING DIA. (in): BOREHOLE DIA. (in): 2.25 LOGGED BY: mg CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-3" Dark brown sand, high-organic content 3-33" Brown fine-medium sand grading to coarse with depth Band of Dark Brown material at 6"	0-0.5'	0900 L1985-11-S1	2.75/5		1.8	
5			0-28" Brown fine-medium sand grading to finer with depth, trace organics			2.3/5			5
10			0-30" Brown fine-medium sand grading to finer with depth, trace silt Saturated from 27"			1.4/5			10
15									15

PROJECT: 1985 Blue Hills Avenue Extension LOCATION: PROJECT NUMBER: 195602175	WELL / PROBEHOLE / BOREHOLE NO: L1985-15 Stantec ESPA-304/20 PAGE 1 OF 1
DRILLING / INSTALLATION: Drilling STARTED COMPLETED: 5/25/21 DRILLING COMPANY: CES DRILLING EQUIPMENT: Geoprobe DRILLING METHOD: Direct Push SAMPLING EQUIPMENT: MiniRAE 3000	NORTHING (ft): LAT: GROUND ELEV (ft): INITIAL DTW (ft): STATIC DTW (ft): WELL CASING DIA. (in): LOGGED BY: mg EASTING (ft): LONG: TOC ELEV (ft): WELL DEPTH (ft): BOREHOLE DEPTH (ft): 10 BOREHOLE DIA. (in): 2.25 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			0-18" Brown medium sand trace organics 18-20" Reddish-brown clay 20-34" Brown fine-medium sand trc gravel, wet at cutting shoe.	0-0.5'	0900 L1985-15 -S1	2.8/5		0.5	
5			0-42" Brown fine-medium sand trace gravel, saturated			3.5/5			5
10									10
15									15

APPENDIX B
GROUNDWATER PURGE LOGS

Stantec

Groundwater Development, Monitoring & Sampling Form — ESPA-305 — Rev. 2.1 — Jan 2014

WELL I.D. 3MW — Client Eversource — Project # 1485-7MW — Site 985 Hartford Ave

Field Pers McElGeorge — Date 5-28-21 — Time 1440 — Temp 57 °F

Sample ID 1485-3MW — Weather sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle) — Wind (vel/dir) —

CASING DIAMETER (1 casing vol (gal/linear ft): 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ..... " (.....)

Well Material PVC ☒ Iron ☐ SS ☐ Other ☐ — Stick up ☐ Flush Mount ☒ — PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 19.49 — CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) = — — CALCULATED PURGE VOL (gal) =

DEPTH TO WATER (feet) = 10.19 — ACTUAL PURGE VOL (gal) =

WATER COLUMN HEIGHT (feet) = 9.3 — PID UPON OPENING WELL (ppm) =

PARAMETERS (TOPBA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
1505		10.20	4.84	5.03	1.1	6.29	16.80	217	Clear	
1510		10.20	4.83	5.04	0.0	6.26	16.80	218	Clear	
1515		10.20	4.82	5.04	0.7	6.25	16.81	218	Clear	

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

Development / Purging

DATE PURGED — START (2400hr) — END (2400hr)

SEDIMENT THICKNESS (start) — SEDIMENT THICKNESS (end) — (original water column)

Bladder Pump — Bailer (Teflon) — Calcul of max draw down at time of sampling: ..... X0.8=

Centrifugal Pump — Bailer (PVC) — Disposal method

Submersible Pump — Bailer (Stainless Steel)

Peristaltic Pump — Dedicated / Disposable

Pump/Tubing Depth (ft) — (Other equ. (purge block or lifting...)) — (Identify analytes sampled with which equipment)

SAMPLE INFORMATION AT TIME OF SAMPLING

DATE SAMPLED 5-28-21 — SAMPLE TIME (2400hr) 1515

SAMPLE TYPE Groundwater ☒ Surface Water ☐ Treatment INF ☐ EFF ☐ Other —

DEPTH AT WHICH SAMPLE TAKEN 18 — DRAW DOWN LESS THAN ____ % OF INITIAL WL — DTW at sample time 10.20

COLOR — — ODOR Faint ☐ Medium ☐ Strong ☐ — NATURE OF ODOR — SHEEN Y ☐ N ☒

ANALYSIS	ETPH	PAH	VOC	RCRA8	PEST	PCB					
PRESERVATIVE	—	—	HCL	HNO3	—	—					
CONTAINER TYPE AND CONTENANCE	AG	AG	VOA	Poly	AG	AG					
# OF CONT.	2	2	3	1	2	2					
FILTERED (Y/N)	N	N	N	N	N	N					
QA/QC	-	-	-	-	-	-					

NOTES (incl. deviation from plan)

WELL INTEGRITY

LOCK KEY #

	Yes	No	Comments
Well identification number clearly marked?	☐	☐	
Well covers and locks in good condition and secure?	☐	☐	
Is the concrete pad and surface seal in good condition?	☐	☐	
Are soils surrounding the well pad eroded?	☐	☐	
Is there standing water in the flush mount?	☐	☐	
Is the PVC well casing in good condition?	☐	☐	
Is the measuring point on PVC casing well marked?	☐	☐	
Does DTB sounded correspond with original well completion DTB?	☐	☐	

Well coordinates:

Others: instructions to find well, missing bolts (size), need retaping, other repair:

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Groundwater Development, Monitoring, & Sampling Form — ESPA-305

WELL I.D. 3MW — Client Eversource — Rev. 2.1 — Jan 2014

Project # 195602175 — Site Bluehills Ave

NOTES: (i.e.: only last three significant readings reported on page 1/2)

NOTE: Stab. is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

PARAMETERS (YORIBA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. ~~(mmhos/cm)~~ mS/cm	TURBID. (Vis/NTU)	DO mg/L (%)	TEMP. (°C)	ORP mV ~~(mg/L)~~	COLOR (visual)	COMMENTS/OTHERS, (Fe, TDS)
1445		10.20	6.56	5.44	4.4	7.84	16.73	111	Clear	
1450		10.20	5.63	5.29	3.6	7.00	16.76	168	Clear	
1455		10.20	5.07	5.04	2.3	6.55	16.78	205	Clear	x ORP, pH
1500		10.20	4.99	5.03	1.4	6.36	16.79	214	Clear	x pH
1505		10.20	4.84	5.03	1.1	6.29	16.80	217	clear	x pH
1510		10.20	4.83	5.04	0.0	6.26	16.80	218	Clear	
1515		10.20	4.82	5.04	0.7	6.25	16.81	218	clear	

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Groundwater Development, Monitoring & Sampling Form

ESPA-305 | Rev. 2.1 | Jan 2014

WELL I.D. 5MW | Client Eversource | Project # 195602175 | Site 1985 Blue Hills

Field Pers Matt George | Date 5-28-21 | Time 1020 | Temp 52°F

Sample ID L1985-5MW | Weather sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle) | Wind (vel/dir) NE

CASING DIAMETER (1 casing vol (gal/linear ft): 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ....." (.....)

Well Material PVC ☒ Iron ☐ SS ☐ Other | Stick up ☐ | Flush Mount ☒ | PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 21.69 | CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) = - | CALCULATED PURGE VOL (gal) =

DEPTH TO WATER (feet) = 13.50 | ACTUAL PURGE VOL (gal) =

WATER COLUMN HEIGHT (feet) = 8.19' | PID UPON OPENING WELL (ppm) =

PARAMETERS (TOBIA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (mg/L)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
1045	-	13.59	5.27	1.31	20.2	3.23	17.59	48	reddish	
1050	-	13.59	5.28	1.33	21.9	3.10	17.51	46	reddish	
1055	1gal	13.59	5.24	1.34	19.0	2.98	17.59	44	reddish	

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

Development / Purging

DATE PURGED _____ START (2400hr) _____ END (2400hr) _____

SEDIMENT THICKNESS (start) _____ SEDIMENT THICKNESS (end) _____ (original water column)

Bladder Pump | Bailer (Teflon) | Calcul of max draw down at time of sampling: ..... X0.8=

Centrifugal Pump | Bailer (PVC) | Disposal method

Submersible Pump | Bailer (Stainless Steel)

Peristalic Pump | Dedicated / Disposable

Pump/Tubing Depth (ft) _____ (Other equ.: Surge block, air lifting ...) (Identify analytes sampled with which equipment)

SAMPLE INFORMATION AT TIME OF SAMPLING

DATE SAMPLED 5-28-21 | SAMPLE TIME (2400hr) 1055

SAMPLE TYPE Groundwater ☒ Surface Water ☐ Treatment INF ☐ EFF ☐ Other _____

DEPTH AT WHICH SAMPLE TAKEN 20' | DRAW DOWN LESS THAN ____ % OF INITIAL WL | DTW at sample time 13.59

COLOR reddish | ODOR Faint ☐ Medium ☐ Strong ☐ | NATURE OF ODOR _____ | SHEEN Y ☐ N ☐

ANALYSIS	PEST	RCRA8	VOC	ETPH	PAHs					
PRESERVATIVE	ASIS	HNO3	HCL	ASIS	ASIS					
CONTAINER TYPE AND CONTENANCE	AG	Poly	VOA	AG	AG					
# OF CONT.	2	1	3	2	2					
FILTERED (Y/N)	N	N	N	N	N					
QA/QC	-	-	-	-	-					

NOTES (incl. deviation from plan)

WELL INTEGRITY

LOCK KEY # _____

	Yes	No	Comments
Well identification number clearly marked?	☐	☐	
Well covers and locks in good condition and secure?	☐	☐	
Is the concrete pad and surface seal in good condition?	☐	☐	
Are soils surrounding the well pad eroded?	☐	☐	
Is there standing water in the flush mount?	☐	☐	
Is the PVC well casing in good condition?	☐	☐	
Is the measuring point on PVC casing well marked?	☐	☐	
Does DTB sounded correspond with original well completion DTB?	☐	☐	

Well coordinates:

Others: instructions to find well, missing bolts (size), need retaping, other repair:

THIS INFORMATION FOR AUTHORIZED COMPANY USE ONLY

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Groundwater Development, Monitoring, & Sampling Form — ESPA-305 — Rev. 2.1 — Jan 2014

WELL I.D. 5MW

Client Eversource

Project # 195602175

Site 985 Blue Hills

NOTES: (i.e.: only last three significant readings reported on page 1/2)

NOTE: Stab. is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

PARAMETERS (YORIBA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. ~~(mmhos/cm)~~ ~S	TURBID. (Vis/NTU)	DO ~~(%)~~ mg/L	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS/OTHERS, (Fe, TDS)
1030	—	13.59	6.88	1.26	46.5	7.33	18.13	32	reddish	
1035		13.59	5.76	1.27	36.2	4.65	17.99	24	reddish	
1040	1/2	13.59	5.32	1.29	22.4	3.46	17.74	46	reddish	
1045		13.59	5.27	1.31	20.2	3.23	17.59	48	reddish	
1050		13.59	5.28	1.33	21.9	3.10	17.41	46	reddish	
1055		13.59	5.24	1.34	19.0	2.98	17.59	44	reddish	

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Groundwater Development, Monitoring & Sampling Form — ESPA-305

WELL I.D. 6MW | Client EverSource | Rev. 2.1 | Jan 2014

Project # 195602125 | Site 1985 Blvd Hills

Field Pers Matt George | Date 5-28-21 | Time 0840 | Temp 50°F

Sample ID L1985-6MW | Weather sunny / Part Cldy / OverCast - fog - Rain - Snow (circle) | Wind (vel/dir) NE

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ..... " (.....)

Well Material PVC ☒ Iron ☐ SS ☐ Other ☐ Stick up ☐ Flush Mount ☒ PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 16.15 | CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) = — | CALCULATED PURGE VOL (gal) =

DEPTH TO WATER (feet) = 11.50 | ACTUAL PURGE VOL (gal) =

WATER COLUMN HEIGHT (feet) = 4.65 | PID UPON OPENING WELL (ppm) = —

PARAMETERS (YSI/PDA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
Well drawn out @ ~80 mL/min, allowed to recharge and Sample collected as able										

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

Development / Purging

DATE PURGED ____ START (2400hr) ____ END (2400hr) ____

SEDIMENT THICKNESS (start) ____ SEDIMENT THICKNESS (end) ____ ((original water column)

Bladder Pump | Bailer (Teflon) | Calcul of max draw down at time of sampling: ..... X0.8=

Centrifugal Pump | Bailer (PVC) | Disposal method

Submersible Pump | Bailer (Stainless Steel)

Peristalic Pump | Dedicated / Disposable

Pump/Tubing Depth (ft) ____ (other equ. purge (bail, or other)) (identify analytes sampled with which equipment)

SAMPLE INFORMATION AT TIME OF SAMPLING

DATE SAMPLED 5-28-21 | SAMPLE TIME (2400hr) 0935

SAMPLE TYPE Groundwater ☒ Surface Water ☐ Treatment INF ☐ EFF ☐ Other ☐ | 16.15

DEPTH AT WHICH SAMPLE TAKEN 16.15 | DRAW DOWN LESS THAN — % OF INITIAL WL | DTW at sample time ____

COLOR reddish | ODOR Faint ☐ Medium ☐ Strong ☐ | NATURE OF ODOR none | SHEEN Y ☐ N ☒

ANALYSIS	ETPH	PAH	PEST	HERB	RCRA8	VOC				
PRESERVATIVE	AS IS	AS IS	AS IS	AS IS	HNO3	HCL				
CONTAINER TYPE AND CONTENANCE	AG	AG	AG	AG	Poly	VOA				
# OF CONT.	2	2	2	4	1	3				
FILTERED (Y/N)	N	N	N	N	N	N				
QA/QC	—	—	—	—	—	—				

NOTES (incl. deviation from plan) Low Flow Failed.

WELL INTEGRITY

LOCK KEY #

	Yes	No	Comments
Well identification number clearly marked?	☐	☐	
Well covers and locks in good condition and secure?	☐	☐	
Is the concrete pad and surface seal in good condition?	☐	☐	
Are soils surrounding the well pad eroded?	☐	☐	
Is there standing water in the flush mount?	☐	☐	
Is the PVC well casing in good condition?	☐	☐	
Is the measuring point on PVC casing well marked?	☐	☐	
Does DTB sounded correspond with original well completion DTB?	☐	☐	

Well coordinates:

Others: instructions to find well, missing bolts (size), need retaping, other repair:

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WELL I.D. 6MW — Client Eversource — Project # 195602175 — Site 985 Blue Hills

NOTES: (i.e.: only last three significant readings reported on page 1/2)

NOTE: Stab. is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

PARAMETERS (YORIBA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO mg/L (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS/OTHERS. (Fe, TDS)
0915	1/2	16.20	5.48	2.10	43.5	1.70	17.07	80	reddish	1' AF Bottom
0920	1/2	16.04	5.44	2.20	326	8.56	16.17	66	reddish	on bottom
well	Drawn	out	@	~	80	ML/min				

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Groundwater Development, Monitoring & Sampling Form — ESPA-305 — Rev. 2.1 — Jan 2014

WELL I.D. 10MW | Client Eversource | Project # 195602175 | Site 1985 Blue Hills Ave Ext

Field Pers Matt George | Date 5-28-21 | Time 1300 | Temp 55 °F

Sample ID L1985-10MW | Weather sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle) | Wind (vel/dir) —

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ..... " (.....)

Well Material PVC ☒ Iron ☐ SS ☐ Other ☐ | Stick up ☐ Flush Mount ☒ | PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 29.52 | CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) = — | CALCULATED PURGE VOL (gal) =

DEPTH TO WATER (feet) = 16.99 | ACTUAL PURGE VOL (gal) =

WATER COLUMN HEIGHT (feet) = 12.53 | PID UPON OPENING WELL (ppm) =

PARAMETERS (YORBA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
1335	3.50	17.09	5.48	2.60	2.3	5.65	14.74	44	Clear	
1340	3.70	17.09	5.45	2.58	2.6	5.62	14.68	46	Clear	
1345	4.0	17.09	5.39	2.56	2.8	5.60	14.63	49	Clear	

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

Development / Purging

DATE PURGED ____ START (2400hr) ____ END (2400hr) ____

SEDIMENT THICKNESS (start) ____ SEDIMENT THICKNESS (end) ____ (original water column)

Bladder Pump ☐ | Centrifugal Pump ☐ | Submersible Pump ☐ | Peristaltic Pump ☐

Bailer (Teflon) ☐ | Bailer (PVC) ☐ | Bailer (Stainless Steel) ☐ | Dedicated / Disposable ☐

Calcul of max draw down at time of sampling: ..... X0.8=

Disposal method

Pump/Tubing Depth (ft) ____ (Other equ., (surge block, air lifting ...)) (Identify analytes sampled with which equipment)

SAMPLE INFORMATION AT TIME OF SAMPLING

DATE SAMPLED 5-28-21 | SAMPLE TIME (2400hr) 1345

SAMPLE TYPE Groundwater ☒ Surface Water ☐ Treatment INF ☐ EFF ☐ Other ____

DEPTH AT WHICH SAMPLE TAKEN 28 | DRAW DOWN LESS THAN ____ % OF INITIAL WL | DTW at sample time 17.09

COLOR — | ODOR Faint ☐ Medium ☐ Strong ☐ | NATURE OF ODOR ____ | SHEEN Y ☐ N ☐

ANALYSIS	Herb	PCB	PEST	ETPH	PAH	VOC	RCRA8			
PRESERVATIVE										
CONTAINER TYPE AND CONTENANCE										
# OF CONT.	4	2	2	2	2	3	1			
FILTERED (Y/N)										
QA/QC										

NOTES (incl. deviation from plan)

WELL INTEGRITY

LOCK KEY #

	Yes	No	Comments
Well identification number clearly marked?	☐	☐	
Well covers and locks in good condition and secure?	☐	☐	
Is the concrete pad and surface seal in good condition?	☐	☐	
Are soils surrounding the well pad eroded?	☐	☐	
Is there standing water in the flush mount?	☐	☐	
Is the PVC well casing in good condition?	☐	☐	
Is the measuring point on PVC casing well marked?	☐	☐	
Does DTB sounded correspond with original well completion DTB?	☐	☐	

Well coordinates:

Others: instructions to find well, missing bolts (size), need retaping, other repair:

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Groundwater Development, Monitoring, & Sampling Form — ESPA-305 — Rev. 2.1 — Jan 2014

WELL I.D. MW10 — Client — Project # — Site

NOTES: (i.e.: only last three significant readings reported on page 1/2) 5-28-21

NOTE: Stab. is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

PARAMETERS (YORIBA)

TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. mS/cm (mmhos/cm)	TURBID. (Vis/NTU)	DO mg/L (%)	TEMP. (°C)	ORP MV (mg/L)	COLOR (visual)	COMMENTS/OTHERS. (Fe, TDS)
1319	2.5	17.09	6.53	2.59	1.8	7.30	14.76	91	Clear	
1320	2.7	17.09	6.24	2.61	1.9	6.81	14.78	1	Clear	
1325	3.0	17.09	5.74	2.60	1.9	6.08	14.64	28	Clear	
1330	3.25	17.09	5.56	2.58	2.2	5.70	14.78	38	Clear	x PH
1335	3.50	17.09	5.48	2.60	2.3	5.65	14.74	44	Clear	
1340	3.7	17.09	5.45	2.58	2.6	5.62	14.68	46	Clear	
1345	4.0	17.09	5.39	2.56	2.8	5.60	1463	49	Clear	

APPENDIX C
LABORATORY ANALYTICAL REPORTS

Dayton, NJ

06/28/21

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stantec

Eversource, Blue Hills Avenue Ext, Windsor, CT

STANCTH88836 PO#19562172

SGS Job Number: JD25514

Sampling Date: 05/24/21

Report to:

Stantec

Melissa.Bezanson@stantec.com

ATTN: Melissa Bezanson

Total number of pages in report: **144**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Caitlin Brice, M.S.
General Manager

Client Service contact: Beth Wasserman 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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Sections: 1 2 3 4 5 6 7 8 9

Table of Contents

-1-

Section 1: Sample Summary 3
Section 2: Case Narrative/Conformance Summary 4
Section 3: Summary of Hits 7
Section 4: Sample Results 10
4.1: JD25514-1: L1985-12-S1 11
4.2: JD25514-2: L1985-13-S1 13
4.3: JD25514-3: L1985-14-S1 15
4.4: JD25514-4: L1985-15-S1 17
4.5: JD25514-5: L1985-8-S3 25
4.6: JD25514-6: L1985-3MW-S3 32
4.7: JD25514-7: L1985-10MW-S2 39
4.8: JD25514-8: L1985-9-S1 47
4.9: JD25514-9: L1985-5MW-S1 55
4.10: JD25514-10: L1985-6MW-S3 61
Section 5: Misc. Forms 68
5.1: Chain of Custody 69
5.2: RCP Form 74
5.3: Sample Tracking Chronicle 75
5.4: QC Evaluation: CT RCP Limits 78
Section 6: MS Volatiles - QC Data Summaries 88
6.1: Method Blank Summary 89
6.2: Blank Spike Summary 92
6.3: Internal Standard Area Summaries 95
6.4: Surrogate Recovery Summaries 96
Section 7: MS Semi-volatiles - QC Data Summaries 97
7.1: Method Blank Summary 98
7.2: Blank Spike Summary 99
7.3: Matrix Spike/Matrix Spike Duplicate Summary 100
7.4: Internal Standard Area Summaries 101
7.5: Surrogate Recovery Summaries 102
Section 8: GC/LC Semi-volatiles - QC Data Summaries 103
8.1: Method Blank Summary 104
8.2: Blank Spike Summary 110
8.3: Blank Spike/Blank Spike Duplicate Summary 113
8.4: Matrix Spike/Matrix Spike Duplicate Summary 114
8.5: Internal Standard Area Summaries 117
8.6: DDT/Endrin Breakdown Checks 119
8.7: Surrogate Recovery Summaries 124
Section 9: Metals Analysis - QC Data Summaries 128
9.1: Prep QC MP26698: As,Ba,Cd,Cr,Cu,Pb,Ni,Se,Ag,Zn 129
9.2: Prep QC MP26720: Hg 141

SGS LabLink@1104213 09:57 28-Jun-2021

Sample Summary

Stantec

Job No: JD25514

Eversource, Blue Hills Avenue Ext, Windsor, CT
Project No: STANCTH88836 PO#19562172

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the RL							
JD25514-1	05/24/21	10:15	EB	05/24/21	SO	Soil	L1985-12-S1
JD25514-2	05/24/21	10:00	EB	05/24/21	SO	Soil	L1985-13-S1
JD25514-3	05/24/21	09:50	EB	05/24/21	SO	Soil	L1985-14-S1
JD25514-4	05/24/21	11:00	MG	05/24/21	SO	Soil	L1985-15-S1
JD25514-5	05/24/21	09:30	MG	05/24/21	SO	Soil	L1985-8-S3
JD25514-6	05/24/21	09:00	MG	05/24/21	SO	Soil	L1985-3MW-S3
JD25514-7	05/24/21	08:30	MG	05/24/21	SO	Soil	L1985-10MW-S2
JD25514-8	05/24/21	08:00	MG	05/24/21	SO	Soil	L1985-9-S1
JD25514-9	05/24/21	12:30	MG	05/24/21	SO	Soil	L1985-5MW-S1
JD25514-10	05/24/21	13:00	MG	05/24/21	SO	Soil	L1985-6MW-S3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

2

Client: Stantec **Job No** JD25514

Site: Eversource, Blue Hills Avenue Ext, Windsor, CT **Report Date** 6/2/2021 3:52:46 PM

On 05/24/2021, 10 Sample(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.9 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD25514 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V1C7784

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JD25514-9 for Dichlorodifluoromethane: Associated CCV outside of control limits low.
- JD25514-7 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the initial and continuing calibrations.
- JD25514-8 for Dichlorodifluoromethane: Associated CCV outside of control limits low.
- JD25514-9 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the initial and continuing calibrations.
- JD25514-4 for Dichlorodifluoromethane: Associated CCV outside of control limits low.
- JD25514-5 for Dichlorodifluoromethane: Associated CCV outside of control limits low.
- JD25514-5 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the initial and continuing calibrations.
- JD25514-10 for Dichlorodifluoromethane: Associated CCV outside of control limits low.
- JD25514-8 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the initial and continuing calibrations.
- JD25514-6 for Dichlorodifluoromethane: Associated CCV outside of control limits low.
- JD25514-6 for 2-Butanone (MEK): Response factor for this compound is below 0.05 in the initial and continuing calibrations.
- JD25514-7 for Dichlorodifluoromethane: Associated CCV outside of control limits low.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP33486

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD25514-4MS, JD25514-4MSD were used as the QC samples indicated.
- Only report PAHs.

GC/LC Semi-volatiles By Method CT-ETPH

Matrix: SO **Batch ID:** OP33509

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD25514-1MS, JD25514-1MSD were used as the QC samples indicated.

2

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP33490

- All samples were extracted within the recommended method holding time.
- Sample(s) JD25514-5MS, JD25514-5MSD, OP33490-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP33490-BS1 for Dieldrin: Reported from 2nd signal due to interference. 1st signal used for confirmation.
- RPD of MSD for all compounds except of delta-BHC are Outside program requirements.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP33491

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD25514-1MS, JD25514-1MSD, OP33491-MSMSD were used as the QC samples indicated.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP33460

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JD25514-8 for 2,4,5-T: Associated CCV outside of control limits high, sample was ND.
- JD25514-8 for 2,4,5-TP (Silvex): Associated CCV outside of control limits high, sample was ND.
- JD25514-8 for 2,4-D: Associated CCV outside of control limits high, sample was ND.
- JD25514-8 for Dicamba: Associated CCV outside of control limits high, sample was ND.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP26698

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD25514-5MS, JD25514-5MSD, JD25514-5SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Copper, Lead are outside control limits for sample MP26698-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Only report requested metals.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP26720

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD25514-5MS, JD25514-5MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN18476

- Sample(s) JD25514-1DUP were used as the QC samples for Solids, Percent.

2

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD25514-1	**L1985-12-S1**					
CT-DRO (C9-C36)		10.4	7.7		mg/kg	CT-ETPH
JD25514-2	**L1985-13-S1**					
CT-DRO (C9-C36)		73.8	8.6		mg/kg	CT-ETPH
JD25514-3	**L1985-14-S1**					
CT-DRO (C9-C36)		36.9	7.1		mg/kg	CT-ETPH
JD25514-4	**L1985-15-S1**					
Benzo(a)anthracene		73.7	36		ug/kg	SW846 8270E
Benzo(a)pyrene		67.8	36		ug/kg	SW846 8270E
Benzo(b)fluoranthene		109	36		ug/kg	SW846 8270E
Benzo(g,h,i)perylene		59.9	36		ug/kg	SW846 8270E
Chrysene		94.6	36		ug/kg	SW846 8270E
Fluoranthene		137	36		ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		62.0	36		ug/kg	SW846 8270E
Phenanthrene		131	36		ug/kg	SW846 8270E
Pyrene		277	36		ug/kg	SW846 8270E
CT-DRO (C9-C36)		41.4	7.0		mg/kg	CT-ETPH
4,4'-DDE		14.7	0.74		ug/kg	SW846 8081B
4,4'-DDT		19.2	0.74		ug/kg	SW846 8081B
Arsenic		2.9	2.3		mg/kg	SW846 6010D
Chromium		8.6	1.2		mg/kg	SW846 6010D
Copper		21.0	2.9		mg/kg	SW846 6010D
Lead		21.8	2.3		mg/kg	SW846 6010D
Nickel		6.5	4.6		mg/kg	SW846 6010D
Zinc		41.3	5.8		mg/kg	SW846 6010D
JD25514-5	**L1985-8-S3**					
Barium		22.1	20		mg/kg	SW846 6010D
Chromium		3.9	0.99		mg/kg	SW846 6010D
Copper		3.4	2.5		mg/kg	SW846 6010D
Lead		2.3	2.0		mg/kg	SW846 6010D
Nickel		4.2	3.9		mg/kg	SW846 6010D
Zinc		9.6	4.9		mg/kg	SW846 6010D
JD25514-6	**L1985-3MW-S3**					
CT-DRO (C9-C36)		11.0	6.6		mg/kg	CT-ETPH

Summary of Hits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		9.6	0.98		mg/kg	SW846 6010D
Copper		5.9	2.5		mg/kg	SW846 6010D
Lead		5.2	2.0		mg/kg	SW846 6010D
Nickel		7.3	3.9		mg/kg	SW846 6010D
Zinc		17.2	4.9		mg/kg	SW846 6010D
JD25514-7	**L1985-10MW-S2**					
Acetone		6.6	5.0		ug/kg	SW846 8260D
Acenaphthylene		62.4	38		ug/kg	SW846 8270E
Anthracene		64.8	38		ug/kg	SW846 8270E
Benzo(a)anthracene		214	38		ug/kg	SW846 8270E
Benzo(a)pyrene		247	38		ug/kg	SW846 8270E
Benzo(b)fluoranthene		386	38		ug/kg	SW846 8270E
Benzo(g,h,i)perylene		193	38		ug/kg	SW846 8270E
Benzo(k)fluoranthene		162	38		ug/kg	SW846 8270E
Chrysene		318	38		ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		44.3	38		ug/kg	SW846 8270E
Fluoranthene		487	38		ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		218	38		ug/kg	SW846 8270E
Phenanthrene		321	38		ug/kg	SW846 8270E
Pyrene		587	38		ug/kg	SW846 8270E
CT-DRO (C9-C36)		58.2	7.6		mg/kg	CT-ETPH
Arsenic		3.6	2.4		mg/kg	SW846 6010D
Barium		42.6	24		mg/kg	SW846 6010D
Cadmium		0.67	0.59		mg/kg	SW846 6010D
Chromium		10.6	1.2		mg/kg	SW846 6010D
Copper		20.3	2.9		mg/kg	SW846 6010D
Lead		35.7	2.4		mg/kg	SW846 6010D
Mercury		0.033	0.031		mg/kg	SW846 7471B
Nickel		11.4	4.7		mg/kg	SW846 6010D
Zinc		61.8	5.9		mg/kg	SW846 6010D
JD25514-8	**L1985-9-S1**					
Acenaphthylene		84.4	38		ug/kg	SW846 8270E
Anthracene		87.6	38		ug/kg	SW846 8270E
Benzo(a)anthracene		266	38		ug/kg	SW846 8270E
Benzo(a)pyrene		300	38		ug/kg	SW846 8270E
Benzo(b)fluoranthene		393	38		ug/kg	SW846 8270E
Benzo(g,h,i)perylene		222	38		ug/kg	SW846 8270E
Benzo(k)fluoranthene		131	38		ug/kg	SW846 8270E
Chrysene		332	38		ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		55.4	38		ug/kg	SW846 8270E
Fluoranthene		486	38		ug/kg	SW846 8270E

Summary of Hits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Indeno(1,2,3-cd)pyrene		232	38		ug/kg	SW846 8270E
Phenanthrene		336	38		ug/kg	SW846 8270E
Pyrene		798	38		ug/kg	SW846 8270E
CT-DRO (C9-C36)		61.4	7.3		mg/kg	CT-ETPH
Arsenic		3.7	2.2		mg/kg	SW846 6010D
Barium		37.0	22		mg/kg	SW846 6010D
Chromium		12.0	1.1		mg/kg	SW846 6010D
Copper		14.2	2.8		mg/kg	SW846 6010D
Lead		45.0	2.2		mg/kg	SW846 6010D
Mercury		0.070	0.036		mg/kg	SW846 7471B
Nickel		8.6	4.5		mg/kg	SW846 6010D
Zinc		56.6	5.6		mg/kg	SW846 6010D
JD25514-9	**L1985-5MW-S1**					
m,p-Xylene		0.84	0.63		ug/kg	SW846 8260D
Chromium		6.4	1.1		mg/kg	SW846 6010D
Copper		5.2	2.7		mg/kg	SW846 6010D
Lead		6.6	2.2		mg/kg	SW846 6010D
Nickel		6.1	4.4		mg/kg	SW846 6010D
Silver		0.98	0.55		mg/kg	SW846 6010D
Zinc		21.1	5.5		mg/kg	SW846 6010D
JD25514-10	**L1985-6MW-S3**					
Chromium		5.0	1.0		mg/kg	SW846 6010D
Copper		3.2	2.6		mg/kg	SW846 6010D
Lead		2.8	2.1		mg/kg	SW846 6010D
Nickel		5.3	4.1		mg/kg	SW846 6010D
Zinc		10.4	5.2		mg/kg	SW846 6010D

Sample Results

Report of Analysis

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-12-S1		
Lab Sample ID:	JD25514-1	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	85.7
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G107198.D	1	05/29/21 04:44	RK	05/27/21 16:00	OP33491	G5G2686
Run #2							

	Initial Weight	Final Volume
Run #1	11.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	52	ug/kg	
11104-28-2	Aroclor 1221	ND	52	ug/kg	
11141-16-5	Aroclor 1232	ND	52	ug/kg	
53469-21-9	Aroclor 1242	ND	52	ug/kg	
12672-29-6	Aroclor 1248	ND	52	ug/kg	
11097-69-1	Aroclor 1254	ND	52	ug/kg	
11096-82-5	Aroclor 1260	ND	52	ug/kg	
11100-14-4	Aroclor 1268	ND	52	ug/kg	
37324-23-5	Aroclor 1262	ND	52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		24-152%
877-09-8	Tetrachloro-m-xylene	102%		24-152%
2051-24-3	Decachlorobiphenyl	106%		10-172%
2051-24-3	Decachlorobiphenyl	118%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-12-S1
Lab Sample ID: JD25514-1
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 85.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39442.D	1	05/28/21 03:57	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	10.4	7.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-13-S1		
Lab Sample ID:	JD25514-2	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	74.5
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G107201.D	1	05/29/21 06:21	RK	05/27/21 16:00	OP33491	G5G2686
Run #2							

	Initial Weight	Final Volume
Run #1	10.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	65	ug/kg	
11104-28-2	Aroclor 1221	ND	65	ug/kg	
11141-16-5	Aroclor 1232	ND	65	ug/kg	
53469-21-9	Aroclor 1242	ND	65	ug/kg	
12672-29-6	Aroclor 1248	ND	65	ug/kg	
11097-69-1	Aroclor 1254	ND	65	ug/kg	
11096-82-5	Aroclor 1260	ND	65	ug/kg	
11100-14-4	Aroclor 1268	ND	65	ug/kg	
37324-23-5	Aroclor 1262	ND	65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		24-152%
877-09-8	Tetrachloro-m-xylene	91%		24-152%
2051-24-3	Decachlorobiphenyl	101%		10-172%
2051-24-3	Decachlorobiphenyl	101%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-13-S1
Lab Sample ID: JD25514-2
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 74.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39445.D	1	05/28/21 05:59	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	73.8	8.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-14-S1		
Lab Sample ID:	JD25514-3	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	88.6
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G107202.D	1	05/29/21 06:53	RK	05/27/21 16:00	OP33491	G5G2686
Run #2							

	Initial Weight	Final Volume
Run #1	11.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	50	ug/kg	
11104-28-2	Aroclor 1221	ND	50	ug/kg	
11141-16-5	Aroclor 1232	ND	50	ug/kg	
53469-21-9	Aroclor 1242	ND	50	ug/kg	
12672-29-6	Aroclor 1248	ND	50	ug/kg	
11097-69-1	Aroclor 1254	ND	50	ug/kg	
11096-82-5	Aroclor 1260	ND	50	ug/kg	
11100-14-4	Aroclor 1268	ND	50	ug/kg	
37324-23-5	Aroclor 1262	ND	50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		24-152%
877-09-8	Tetrachloro-m-xylene	91%		24-152%
2051-24-3	Decachlorobiphenyl	93%		10-172%
2051-24-3	Decachlorobiphenyl	97%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-14-S1
Lab Sample ID: JD25514-3
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 88.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39446.D	1	05/28/21 06:39	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	36.9	7.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-15-S1		
Lab Sample ID:	JD25514-4	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	88.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C178361.D	1	05/25/21 18:00	PS	n/a	n/a	V1C7784
Run #2							

	Initial Weight
Run #1	8.1 g
Run #2	

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	7.0	ug/kg	
107-13-1	Acrylonitrile	ND	7.0	ug/kg	
71-43-2	Benzene	ND	0.35	ug/kg	
108-86-1	Bromobenzene	ND	3.5	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	ug/kg	
75-25-2	Bromoform	ND	3.5	ug/kg	
74-83-9	Bromomethane	ND	3.5	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.0	ug/kg	
104-51-8	n-Butylbenzene	ND	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	1.4	ug/kg	
75-15-0	Carbon disulfide	ND	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	ug/kg	
75-00-3	Chloroethane	ND	3.5	ug/kg	
67-66-3	Chloroform	ND	1.4	ug/kg	
74-87-3	Chloromethane	ND	3.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.70	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.70	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.70	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.70	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3.5	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	3.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.70	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.70	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.70	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.70	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-15-S1		
Lab Sample ID:	JD25514-4	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	88.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	0.70	ug/kg	
76-13-1	Freon 113	ND	3.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.5	ug/kg	
591-78-6	2-Hexanone	ND	3.5	ug/kg	
98-82-8	Isopropylbenzene	ND	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.70	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.5	ug/kg	
74-95-3	Methylene bromide	ND	3.5	ug/kg	
75-09-2	Methylene chloride	ND	3.5	ug/kg	
91-20-3	Naphthalene	ND	3.5	ug/kg	
103-65-1	n-Propylbenzene	ND	1.4	ug/kg	
100-42-5	Styrene	ND	1.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	ug/kg	
109-99-9	Tetrahydrofuran	ND	7.0	ug/kg	
108-88-3	Toluene	ND	0.70	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	ug/kg	
79-01-6	Trichloroethene	ND	0.70	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	1.4	ug/kg	
	m,p-Xylene	ND	0.70	ug/kg	
95-47-6	o-Xylene	ND	0.70	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-15-S1		
Lab Sample ID:	JD25514-4	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	88.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	106%		75-131%
2037-26-5	Toluene-D8	105%		81-121%
460-00-4	4-Bromofluorobenzene	98%		60-141%

(a) Associated CCV outside of control limits low.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-15-S1
Lab Sample ID: JD25514-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 88.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M173092.D	1	05/28/21 06:33	CS	05/27/21 10:00	OP33486	EM7415
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	36	ug/kg	
208-96-8	Acenaphthylene	ND	36	ug/kg	
120-12-7	Anthracene	ND	36	ug/kg	
56-55-3	Benzo(a)anthracene	73.7	36	ug/kg	
50-32-8	Benzo(a)pyrene	67.8	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	109	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	59.9	36	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	ug/kg	
218-01-9	Chrysene	94.6	36	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	ug/kg	
206-44-0	Fluoranthene	137	36	ug/kg	
86-73-7	Fluorene	ND	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	62.0	36	ug/kg	
91-20-3	Naphthalene	ND	36	ug/kg	
85-01-8	Phenanthrene	131	36	ug/kg	
129-00-0	Pyrene	277	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		7-101%
4165-62-2	Phenol-d5	55%		12-101%
118-79-6	2,4,6-Tribromophenol	74%		10-127%
4165-60-0	Nitrobenzene-d5	63%		15-114%
321-60-8	2-Fluorobiphenyl	67%		22-104%
1718-51-0	Terphenyl-d14	69%		23-121%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-15-S1		
Lab Sample ID:	JD25514-4	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	88.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G38020.D	1	06/01/21 14:37	KLS	05/27/21 09:40	OP33490	G8G1593
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide RCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.74	ug/kg	
15972-60-8	Alachlor	ND	7.4	ug/kg	
319-84-6	alpha-BHC	ND	0.74	ug/kg	
319-85-7	beta-BHC	ND	0.74	ug/kg	
319-86-8	delta-BHC	ND	0.74	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.74	ug/kg	
12789-03-6	Chlordane	ND	37	ug/kg	
60-57-1	Dieldrin	ND	0.74	ug/kg	
72-54-8	4,4'-DDD	ND	0.74	ug/kg	
72-55-9	4,4'-DDE	14.7	0.74	ug/kg	
50-29-3	4,4'-DDT	19.2	0.74	ug/kg	
72-20-8	Endrin	ND	0.74	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.74	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.74	ug/kg	
959-98-8	Endosulfan-I	ND	0.74	ug/kg	
33213-65-9	Endosulfan-II	ND	0.74	ug/kg	
76-44-8	Heptachlor	ND	0.74	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.74	ug/kg	
72-43-5	Methoxychlor	ND	1.5	ug/kg	
53494-70-5	Endrin ketone	ND	0.74	ug/kg	
8001-35-2	Toxaphene	ND	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		27-138%
877-09-8	Tetrachloro-m-xylene	80%		27-138%
2051-24-3	Decachlorobiphenyl	89%		10-179%
2051-24-3	Decachlorobiphenyl	97%		10-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-15-S1		
Lab Sample ID:	JD25514-4	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	88.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G107208.D	1	05/29/21 09:34	RK	05/27/21 16:00	OP33491	G5G2686
Run #2							

	Initial Weight	Final Volume
Run #1	11.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	49	ug/kg	
11104-28-2	Aroclor 1221	ND	49	ug/kg	
11141-16-5	Aroclor 1232	ND	49	ug/kg	
53469-21-9	Aroclor 1242	ND	49	ug/kg	
12672-29-6	Aroclor 1248	ND	49	ug/kg	
11097-69-1	Aroclor 1254	ND	49	ug/kg	
11096-82-5	Aroclor 1260	ND	49	ug/kg	
11100-14-4	Aroclor 1268	ND	49	ug/kg	
37324-23-5	Aroclor 1262	ND	49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		24-152%
877-09-8	Tetrachloro-m-xylene	91%		24-152%
2051-24-3	Decachlorobiphenyl	94%		10-172%
2051-24-3	Decachlorobiphenyl	103%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-15-S1
Lab Sample ID: JD25514-4
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 88.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39447.D	1	05/28/21 07:19	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	41.4	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-15-S1
Lab Sample ID: JD25514-4
Matrix: SO - Soil
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 88.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	2.3	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	< 23	23	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	8.6	1.2	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	21.0	2.9	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	21.8	2.3	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.037	0.037	mg/kg	1	05/27/21	05/27/21	LL	SW846 7471B [1]	SW846 7471B [5]
Nickel	6.5	4.6	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.58	0.58	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	41.3	5.8	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA50590
(2) Instrument QC Batch: MA50600
(3) Instrument QC Batch: MA50605
(4) Prep QC Batch: MP26698
(5) Prep QC Batch: MP26720

RL = Reporting Limit

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-8-S3
Lab Sample ID: JD25514-5
Matrix: SO - Soil
Method: SW846 8260D
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 97.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C178362.D	1	05/25/21 18:27	PS	n/a	n/a	V1C7784
Run #2							

	Initial Weight
Run #1	6.8 g
Run #2	

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	7.5	ug/kg	
107-13-1	Acrylonitrile	ND	7.5	ug/kg	
71-43-2	Benzene	ND	0.38	ug/kg	
108-86-1	Bromobenzene	ND	3.8	ug/kg	
75-27-4	Bromodichloromethane	ND	1.5	ug/kg	
75-25-2	Bromoform	ND	3.8	ug/kg	
74-83-9	Bromomethane	ND	3.8	ug/kg	
78-93-3	2-Butanone (MEK) [a]	ND	7.5	ug/kg	
104-51-8	n-Butylbenzene	ND	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	1.5	ug/kg	
75-15-0	Carbon disulfide	ND	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	1.5	ug/kg	
75-00-3	Chloroethane	ND	3.8	ug/kg	
67-66-3	Chloroform	ND	1.5	ug/kg	
74-87-3	Chloromethane	ND	3.8	ug/kg	
95-49-8	o-Chlorotoluene	ND	1.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.75	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.75	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.75	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3.8	ug/kg	
75-71-8	Dichlorodifluoromethane [b]	ND	3.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.75	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.75	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.75	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.75	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-8-S3		
Lab Sample ID:	JD25514-5	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	97.4
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	0.75	ug/kg	
76-13-1	Freon 113	ND	3.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.8	ug/kg	
591-78-6	2-Hexanone	ND	3.8	ug/kg	
98-82-8	Isopropylbenzene	ND	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.75	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.8	ug/kg	
74-95-3	Methylene bromide	ND	3.8	ug/kg	
75-09-2	Methylene chloride	ND	3.8	ug/kg	
91-20-3	Naphthalene	ND	3.8	ug/kg	
103-65-1	n-Propylbenzene	ND	1.5	ug/kg	
100-42-5	Styrene	ND	1.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ug/kg	
127-18-4	Tetrachloroethene	ND	1.5	ug/kg	
109-99-9	Tetrahydrofuran	ND	7.5	ug/kg	
108-88-3	Toluene	ND	0.75	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ug/kg	
79-01-6	Trichloroethene	ND	0.75	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.5	ug/kg	
75-01-4	Vinyl chloride	ND	1.5	ug/kg	
	m,p-Xylene	ND	0.75	ug/kg	
95-47-6	o-Xylene	ND	0.75	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-8-S3		
Lab Sample ID:	JD25514-5	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	97.4
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		75-131%
2037-26-5	Toluene-D8	105%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

(a) Response factor for this compound is below 0.05 in the initial and continuing calibrations.
(b) Associated CCV outside of control limits low.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-8-S3
Lab Sample ID: JD25514-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 97.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M173076.D	1	05/27/21 23:17	CS	05/27/21 10:00	OP33486	EM7415
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	33	ug/kg	
208-96-8	Acenaphthylene	ND	33	ug/kg	
120-12-7	Anthracene	ND	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	ug/kg	
218-01-9	Chrysene	ND	33	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	ug/kg	
206-44-0	Fluoranthene	ND	33	ug/kg	
86-73-7	Fluorene	ND	33	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	ug/kg	
91-20-3	Naphthalene	ND	33	ug/kg	
85-01-8	Phenanthrene	ND	33	ug/kg	
129-00-0	Pyrene	ND	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		7-101%
4165-62-2	Phenol-d5	54%		12-101%
118-79-6	2,4,6-Tribromophenol	67%		10-127%
4165-60-0	Nitrobenzene-d5	59%		15-114%
321-60-8	2-Fluorobiphenyl	64%		22-104%
1718-51-0	Terphenyl-d14	64%		23-121%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-8-S3		
Lab Sample ID:	JD25514-5	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	97.4
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G166714.D	1	06/01/21 13:05	KLS	05/27/21 09:40	OP33490	G1G5676
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide RCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.65	ug/kg	
15972-60-8	Alachlor	ND	6.5	ug/kg	
319-84-6	alpha-BHC	ND	0.65	ug/kg	
319-85-7	beta-BHC	ND	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.65	ug/kg	
12789-03-6	Chlordane	ND	32	ug/kg	
60-57-1	Dieldrin	ND	0.65	ug/kg	
72-54-8	4,4'-DDD	ND	0.65	ug/kg	
72-55-9	4,4'-DDE	ND	0.65	ug/kg	
50-29-3	4,4'-DDT	ND	0.65	ug/kg	
72-20-8	Endrin	ND	0.65	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.65	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.65	ug/kg	
959-98-8	Endosulfan-I	ND	0.65	ug/kg	
33213-65-9	Endosulfan-II	ND	0.65	ug/kg	
76-44-8	Heptachlor	ND	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.65	ug/kg	
72-43-5	Methoxychlor	ND	1.3	ug/kg	
53494-70-5	Endrin ketone	ND	0.65	ug/kg	
8001-35-2	Toxaphene	ND	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		27-138%
877-09-8	Tetrachloro-m-xylene	69%		27-138%
2051-24-3	Decachlorobiphenyl	73%		10-179%
2051-24-3	Decachlorobiphenyl	61%		10-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-8-S3
Lab Sample ID: JD25514-5
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 97.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39448.D	1	05/28/21 08:00	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	ND	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-8-S3
Lab Sample ID: JD25514-5
Matrix: SO - Soil
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 97.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.0	2.0	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	22.1	20	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.49	0.49	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	3.9	0.99	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	3.4	2.5	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	2.3	2.0	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.031	0.031	mg/kg	1	05/27/21	05/27/21	LL	SW846 7471B [1]	SW846 7471B [5]
Nickel	4.2	3.9	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.49	0.49	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	9.6	4.9	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA50590
(2) Instrument QC Batch: MA50600
(3) Instrument QC Batch: MA50605
(4) Prep QC Batch: MP26698
(5) Prep QC Batch: MP26720

RL = Reporting Limit

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-3MW-S3
Lab Sample ID: JD25514-6
Matrix: SO - Soil
Method: SW846 8260D
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 96.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C178363.D	1	05/25/21 18:54	PS	n/a	n/a	V1C7784
Run #2							

	Initial Weight
Run #1	8.7 g
Run #2	

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.9	ug/kg	
107-13-1	Acrylonitrile	ND	5.9	ug/kg	
71-43-2	Benzene	ND	0.30	ug/kg	
108-86-1	Bromobenzene	ND	3.0	ug/kg	
75-27-4	Bromodichloromethane	ND	1.2	ug/kg	
75-25-2	Bromoform	ND	3.0	ug/kg	
74-83-9	Bromomethane	ND	3.0	ug/kg	
78-93-3	2-Butanone (MEK) [a]	ND	5.9	ug/kg	
104-51-8	n-Butylbenzene	ND	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	1.2	ug/kg	
75-00-3	Chloroethane	ND	3.0	ug/kg	
67-66-3	Chloroform	ND	1.2	ug/kg	
74-87-3	Chloromethane	ND	3.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.59	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.59	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.59	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3.0	ug/kg	
75-71-8	Dichlorodifluoromethane [b]	ND	3.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.59	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.59	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.59	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-3MW-S3		
Lab Sample ID:	JD25514-6	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	96.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	0.59	ug/kg	
76-13-1	Freon 113	ND	3.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.0	ug/kg	
591-78-6	2-Hexanone	ND	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.59	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.0	ug/kg	
74-95-3	Methylene bromide	ND	3.0	ug/kg	
75-09-2	Methylene chloride	ND	3.0	ug/kg	
91-20-3	Naphthalene	ND	3.0	ug/kg	
103-65-1	n-Propylbenzene	ND	1.2	ug/kg	
100-42-5	Styrene	ND	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	ug/kg	
127-18-4	Tetrachloroethene	ND	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	5.9	ug/kg	
108-88-3	Toluene	ND	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.2	ug/kg	
79-01-6	Trichloroethene	ND	0.59	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	1.2	ug/kg	
	m,p-Xylene	ND	0.59	ug/kg	
95-47-6	o-Xylene	ND	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-3MW-S3		
Lab Sample ID:	JD25514-6	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	96.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		75-131%
2037-26-5	Toluene-D8	105%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

(a) Response factor for this compound is below 0.05 in the initial and continuing calibrations.
(b) Associated CCV outside of control limits low.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-3MW-S3
Lab Sample ID: JD25514-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 96.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M173082.D	1	05/28/21 02:01	CS	05/27/21 10:00	OP33486	EM7415
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	34	ug/kg	
208-96-8	Acenaphthylene	ND	34	ug/kg	
120-12-7	Anthracene	ND	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	ug/kg	
218-01-9	Chrysene	ND	34	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	ug/kg	
206-44-0	Fluoranthene	ND	34	ug/kg	
86-73-7	Fluorene	ND	34	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	ug/kg	
91-20-3	Naphthalene	ND	34	ug/kg	
85-01-8	Phenanthrene	ND	34	ug/kg	
129-00-0	Pyrene	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		7-101%
4165-62-2	Phenol-d5	45%		12-101%
118-79-6	2,4,6-Tribromophenol	58%		10-127%
4165-60-0	Nitrobenzene-d5	52%		15-114%
321-60-8	2-Fluorobiphenyl	57%		22-104%
1718-51-0	Terphenyl-d14	57%		23-121%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-3MW-S3		
Lab Sample ID:	JD25514-6	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8082A SW846 3540C	**Percent Solids:**	96.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G107209.D	1	05/29/21 10:06	RK	05/27/21 16:00	OP33491	G5G2686
Run #2							

	Initial Weight	Final Volume
Run #1	11.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	44	ug/kg	
11104-28-2	Aroclor 1221	ND	44	ug/kg	
11141-16-5	Aroclor 1232	ND	44	ug/kg	
53469-21-9	Aroclor 1242	ND	44	ug/kg	
12672-29-6	Aroclor 1248	ND	44	ug/kg	
11097-69-1	Aroclor 1254	ND	44	ug/kg	
11096-82-5	Aroclor 1260	ND	44	ug/kg	
11100-14-4	Aroclor 1268	ND	44	ug/kg	
37324-23-5	Aroclor 1262	ND	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		24-152%
877-09-8	Tetrachloro-m-xylene	95%		24-152%
2051-24-3	Decachlorobiphenyl	100%		10-172%
2051-24-3	Decachlorobiphenyl	105%		10-172%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-3MW-S3
Lab Sample ID: JD25514-6
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 96.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39449.D	1	05/28/21 08:40	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	11.0	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-3MW-S3
Lab Sample ID: JD25514-6
Matrix: SO - Soil
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 96.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.0	2.0	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	< 20	20	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.49	0.49	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	9.6	0.98	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	5.9	2.5	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	5.2	2.0	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.030	0.030	mg/kg	1	05/27/21	05/27/21	LL	SW846 7471B [1]	SW846 7471B [5]
Nickel	7.3	3.9	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.49	0.49	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	17.2	4.9	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA50590
(2) Instrument QC Batch: MA50600
(3) Instrument QC Batch: MA50605
(4) Prep QC Batch: MP26698
(5) Prep QC Batch: MP26720

RL = Reporting Limit

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-10MW-S2		
Lab Sample ID:	JD25514-7	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	86.7
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C178364.D	1	05/25/21 19:21	PS	n/a	n/a	V1C7784
Run #2							

	Initial Weight
Run #1	11.6 g
Run #2	

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	6.6	5.0	ug/kg	
107-13-1	Acrylonitrile	ND	5.0	ug/kg	
71-43-2	Benzene	ND	0.25	ug/kg	
108-86-1	Bromobenzene	ND	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	0.99	ug/kg	
75-25-2	Bromoform	ND	2.5	ug/kg	
74-83-9	Bromomethane	ND	2.5	ug/kg	
78-93-3	2-Butanone (MEK) [a]	ND	5.0	ug/kg	
104-51-8	n-Butylbenzene	ND	0.99	ug/kg	
135-98-8	sec-Butylbenzene	ND	0.99	ug/kg	
98-06-6	tert-Butylbenzene	ND	0.99	ug/kg	
75-15-0	Carbon disulfide	ND	0.99	ug/kg	
56-23-5	Carbon tetrachloride	ND	0.99	ug/kg	
108-90-7	Chlorobenzene	ND	0.99	ug/kg	
75-00-3	Chloroethane	ND	2.5	ug/kg	
67-66-3	Chloroform	ND	0.99	ug/kg	
74-87-3	Chloromethane	ND	2.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	0.99	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.99	ug/kg	
124-48-1	Dibromochloromethane	ND	0.99	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.50	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.50	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	2.5	ug/kg	
75-71-8	Dichlorodifluoromethane [b]	ND	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.50	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-10MW-S2		
Lab Sample ID:	JD25514-7	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	86.7
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	0.99	ug/kg	
142-28-9	1,3-Dichloropropane	ND	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	0.99	ug/kg	
563-58-6	1,1-Dichloropropene	ND	0.99	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.99	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	0.50	ug/kg	
76-13-1	Freon 113	ND	2.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2.5	ug/kg	
591-78-6	2-Hexanone	ND	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	0.99	ug/kg	
99-87-6	p-Isopropyltoluene	ND	0.99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.5	ug/kg	
74-95-3	Methylene bromide	ND	2.5	ug/kg	
75-09-2	Methylene chloride	ND	2.5	ug/kg	
91-20-3	Naphthalene	ND	2.5	ug/kg	
103-65-1	n-Propylbenzene	ND	0.99	ug/kg	
100-42-5	Styrene	ND	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.99	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.99	ug/kg	
127-18-4	Tetrachloroethene	ND	0.99	ug/kg	
109-99-9	Tetrahydrofuran	ND	5.0	ug/kg	
108-88-3	Toluene	ND	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.99	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.99	ug/kg	
79-01-6	Trichloroethene	ND	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.99	ug/kg	
75-01-4	Vinyl chloride	ND	0.99	ug/kg	
	m,p-Xylene	ND	0.50	ug/kg	
95-47-6	o-Xylene	ND	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		72-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-10MW-S2		
Lab Sample ID:	JD25514-7	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	86.7
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		75-131%
2037-26-5	Toluene-D8	104%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

(a) Response factor for this compound is below 0.05 in the initial and continuing calibrations.
(b) Associated CCV outside of control limits low.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-10MW-S2
Lab Sample ID: JD25514-7
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 86.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M173088.D	1	05/28/21 04:45	CS	05/27/21 10:00	OP33486	EM7415
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	38	ug/kg	
208-96-8	Acenaphthylene	62.4	38	ug/kg	
120-12-7	Anthracene	64.8	38	ug/kg	
56-55-3	Benzo(a)anthracene	214	38	ug/kg	
50-32-8	Benzo(a)pyrene	247	38	ug/kg	
205-99-2	Benzo(b)fluoranthene	386	38	ug/kg	
191-24-2	Benzo(g,h,i)perylene	193	38	ug/kg	
207-08-9	Benzo(k)fluoranthene	162	38	ug/kg	
218-01-9	Chrysene	318	38	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	44.3	38	ug/kg	
206-44-0	Fluoranthene	487	38	ug/kg	
86-73-7	Fluorene	ND	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	218	38	ug/kg	
91-20-3	Naphthalene	ND	38	ug/kg	
85-01-8	Phenanthrene	321	38	ug/kg	
129-00-0	Pyrene	587	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		7-101%
4165-62-2	Phenol-d5	64%		12-101%
118-79-6	2,4,6-Tribromophenol	82%		10-127%
4165-60-0	Nitrobenzene-d5	70%		15-114%
321-60-8	2-Fluorobiphenyl	77%		22-104%
1718-51-0	Terphenyl-d14	75%		23-121%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-10MW-S2		
Lab Sample ID:	JD25514-7	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	86.7
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G131851.D	1	05/29/21 05:48	RK	05/26/21 06:50	OP33460	G3G4783
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	19	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.8	ug/kg	
93-76-5	2,4,5-T	ND	3.8	ug/kg	
75-99-0	Dalapon	ND	3.8	ug/kg	
1918-00-9	Dicamba	ND	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	63%		10-132%
19719-28-9	2,4-DCAA	52%		10-132%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-10MW-S2
Lab Sample ID: JD25514-7
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 86.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G38021.D	1	06/01/21 14:53	KLS	05/27/21 09:40	OP33490	G8G1593
Run #2							

	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2		

Pesticide RCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.70	ug/kg	
15972-60-8	Alachlor	ND	7.0	ug/kg	
319-84-6	alpha-BHC	ND	0.70	ug/kg	
319-85-7	beta-BHC	ND	0.70	ug/kg	
319-86-8	delta-BHC	ND	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	ug/kg	
12789-03-6	Chlordane	ND	35	ug/kg	
60-57-1	Dieldrin	ND	0.70	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	ug/kg	
50-29-3	4,4'-DDT	ND	0.70	ug/kg	
72-20-8	Endrin	ND	0.70	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	ug/kg	
76-44-8	Heptachlor	ND	0.70	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	ug/kg	
72-43-5	Methoxychlor	ND	1.4	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	ug/kg	
8001-35-2	Toxaphene	ND	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		27-138%
877-09-8	Tetrachloro-m-xylene	83%		27-138%
2051-24-3	Decachlorobiphenyl	91%		10-179%
2051-24-3	Decachlorobiphenyl	124%		10-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-10MW-S2
Lab Sample ID: JD25514-7
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 86.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39450.D	1	05/28/21 09:21	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	58.2	7.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-10MW-S2
Lab Sample ID: JD25514-7
Matrix: SO - Soil
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 86.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.6	2.4	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	42.6	24	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	0.67	0.59	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	10.6	1.2	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	20.3	2.9	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	35.7	2.4	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.033	0.031	mg/kg	1	05/27/21	05/27/21	LL	SW846 7471B [1]	SW846 7471B [5]
Nickel	11.4	4.7	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.59	0.59	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	61.8	5.9	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA50590
(2) Instrument QC Batch: MA50600
(3) Instrument QC Batch: MA50605
(4) Prep QC Batch: MP26698
(5) Prep QC Batch: MP26720

RL = Reporting Limit

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-9-S1		
Lab Sample ID:	JD25514-8	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	86.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C178365.D	1	05/25/21 19:48	PS	n/a	n/a	V1C7784
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	9.3	ug/kg	
107-13-1	Acrylonitrile	ND	9.3	ug/kg	
71-43-2	Benzene	ND	0.46	ug/kg	
108-86-1	Bromobenzene	ND	4.6	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	ug/kg	
75-25-2	Bromoform	ND	4.6	ug/kg	
74-83-9	Bromomethane	ND	4.6	ug/kg	
78-93-3	2-Butanone (MEK) [a]	ND	9.3	ug/kg	
104-51-8	n-Butylbenzene	ND	1.9	ug/kg	
135-98-8	sec-Butylbenzene	ND	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	ug/kg	
75-00-3	Chloroethane	ND	4.6	ug/kg	
67-66-3	Chloroform	ND	1.9	ug/kg	
74-87-3	Chloromethane	ND	4.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	1.9	ug/kg	
106-43-4	p-Chlorotoluene	ND	1.9	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	4.6	ug/kg	
75-71-8	Dichlorodifluoromethane [b]	ND	4.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-9-S1		
Lab Sample ID:	JD25514-8	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	86.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1.9	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1.9	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	ug/kg	
76-13-1	Freon 113	ND	4.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.6	ug/kg	
591-78-6	2-Hexanone	ND	4.6	ug/kg	
98-82-8	Isopropylbenzene	ND	1.9	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	ug/kg	
74-95-3	Methylene bromide	ND	4.6	ug/kg	
75-09-2	Methylene chloride	ND	4.6	ug/kg	
91-20-3	Naphthalene	ND	4.6	ug/kg	
103-65-1	n-Propylbenzene	ND	1.9	ug/kg	
100-42-5	Styrene	ND	1.9	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	ug/kg	
109-99-9	Tetrahydrofuran	ND	9.3	ug/kg	
108-88-3	Toluene	ND	0.93	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	ug/kg	
79-01-6	Trichloroethene	ND	0.93	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.9	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	ug/kg	
	m,p-Xylene	ND	0.93	ug/kg	
95-47-6	o-Xylene	ND	0.93	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-9-S1		
Lab Sample ID:	JD25514-8	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	86.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		75-131%
2037-26-5	Toluene-D8	107%		81-121%
460-00-4	4-Bromofluorobenzene	99%		60-141%

(a) Response factor for this compound is below 0.05 in the initial and continuing calibrations.
(b) Associated CCV outside of control limits low.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-9-S1
Lab Sample ID: JD25514-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 86.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M173089.D	1	05/28/21 05:12	CS	05/27/21 10:00	OP33486	EM7415
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	38	ug/kg	
208-96-8	Acenaphthylene	84.4	38	ug/kg	
120-12-7	Anthracene	87.6	38	ug/kg	
56-55-3	Benzo(a)anthracene	266	38	ug/kg	
50-32-8	Benzo(a)pyrene	300	38	ug/kg	
205-99-2	Benzo(b)fluoranthene	393	38	ug/kg	
191-24-2	Benzo(g,h,i)perylene	222	38	ug/kg	
207-08-9	Benzo(k)fluoranthene	131	38	ug/kg	
218-01-9	Chrysene	332	38	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	55.4	38	ug/kg	
206-44-0	Fluoranthene	486	38	ug/kg	
86-73-7	Fluorene	ND	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	232	38	ug/kg	
91-20-3	Naphthalene	ND	38	ug/kg	
85-01-8	Phenanthrene	336	38	ug/kg	
129-00-0	Pyrene	798	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		7-101%
4165-62-2	Phenol-d5	46%		12-101%
118-79-6	2,4,6-Tribromophenol	60%		10-127%
4165-60-0	Nitrobenzene-d5	49%		15-114%
321-60-8	2-Fluorobiphenyl	56%		22-104%
1718-51-0	Terphenyl-d14	57%		23-121%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-9-S1		
Lab Sample ID:	JD25514-8	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	86.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G131815.D	1	05/27/21 15:49	CP	05/26/21 06:50	OP33460	G3G4781
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D [a]	ND	19	ug/kg	
93-72-1	2,4,5-TP (Silvex) [a]	ND	3.7	ug/kg	
93-76-5	2,4,5-T [a]	ND	3.7	ug/kg	
75-99-0	Dalapon	ND	3.7	ug/kg	
1918-00-9	Dicamba [a]	ND	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	102%		10-132%
19719-28-9	2,4-DCAA	48%		10-132%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-9-S1		
Lab Sample ID:	JD25514-8	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	86.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G38022.D	1	06/01/21 15:09	KLS	05/27/21 09:40	OP33490	G8G1593
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide RCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.70	ug/kg	
15972-60-8	Alachlor	ND	7.0	ug/kg	
319-84-6	alpha-BHC	ND	0.70	ug/kg	
319-85-7	beta-BHC	ND	0.70	ug/kg	
319-86-8	delta-BHC	ND	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	ug/kg	
12789-03-6	Chlordane	ND	35	ug/kg	
60-57-1	Dieldrin	ND	0.70	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	ug/kg	
50-29-3	4,4'-DDT	ND	0.70	ug/kg	
72-20-8	Endrin	ND	0.70	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	ug/kg	
76-44-8	Heptachlor	ND	0.70	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	ug/kg	
72-43-5	Methoxychlor	ND	1.4	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	ug/kg	
8001-35-2	Toxaphene	ND	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		27-138%
877-09-8	Tetrachloro-m-xylene	87%		27-138%
2051-24-3	Decachlorobiphenyl	86%		10-179%
2051-24-3	Decachlorobiphenyl	107%		10-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-9-S1
Lab Sample ID: JD25514-8
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 86.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39451.D	1	05/28/21 09:59	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	61.4	7.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	64%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-9-S1
Lab Sample ID: JD25514-8
Matrix: SO - Soil
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 86.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.7	2.2	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	37.0	22	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.56	0.56	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	12.0	1.1	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	14.2	2.8	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	45.0	2.2	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.070	0.036	mg/kg	1	05/27/21	05/27/21	LL	SW846 7471B [1]	SW846 7471B [5]
Nickel	8.6	4.5	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.56	0.56	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	56.6	5.6	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA50590
(2) Instrument QC Batch: MA50600
(3) Instrument QC Batch: MA50605
(4) Prep QC Batch: MP26698
(5) Prep QC Batch: MP26720

RL = Reporting Limit

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-5MW-S1		
Lab Sample ID:	JD25514-9	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	93.1
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C178366.D	1	05/25/21 20:15	PS	n/a	n/a	V1C7784
Run #2							

	Initial Weight
Run #1	8.5 g
Run #2	

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	6.3	ug/kg	
107-13-1	Acrylonitrile	ND	6.3	ug/kg	
71-43-2	Benzene	ND	0.32	ug/kg	
108-86-1	Bromobenzene	ND	3.2	ug/kg	
75-27-4	Bromodichloromethane	ND	1.3	ug/kg	
75-25-2	Bromoform	ND	3.2	ug/kg	
74-83-9	Bromomethane	ND	3.2	ug/kg	
78-93-3	2-Butanone (MEK) [a]	ND	6.3	ug/kg	
104-51-8	n-Butylbenzene	ND	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	1.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	1.3	ug/kg	
75-00-3	Chloroethane	ND	3.2	ug/kg	
67-66-3	Chloroform	ND	1.3	ug/kg	
74-87-3	Chloromethane	ND	3.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.3	ug/kg	
124-48-1	Dibromochloromethane	ND	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.63	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.63	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.63	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.63	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3.2	ug/kg	
75-71-8	Dichlorodifluoromethane [b]	ND	3.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.63	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.63	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.63	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.63	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-5MW-S1		
Lab Sample ID:	JD25514-9	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	93.1
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	0.63	ug/kg	
76-13-1	Freon 113	ND	3.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3.2	ug/kg	
591-78-6	2-Hexanone	ND	3.2	ug/kg	
98-82-8	Isopropylbenzene	ND	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.63	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.2	ug/kg	
74-95-3	Methylene bromide	ND	3.2	ug/kg	
75-09-2	Methylene chloride	ND	3.2	ug/kg	
91-20-3	Naphthalene	ND	3.2	ug/kg	
103-65-1	n-Propylbenzene	ND	1.3	ug/kg	
100-42-5	Styrene	ND	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.3	ug/kg	
127-18-4	Tetrachloroethene	ND	1.3	ug/kg	
109-99-9	Tetrahydrofuran	ND	6.3	ug/kg	
108-88-3	Toluene	ND	0.63	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.3	ug/kg	
79-01-6	Trichloroethene	ND	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	1.3	ug/kg	
	m,p-Xylene	0.84	0.63	ug/kg	
95-47-6	o-Xylene	ND	0.63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-5MW-S1		
Lab Sample ID:	JD25514-9	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	93.1
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	100%		75-131%
2037-26-5	Toluene-D8	105%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

(a) Response factor for this compound is below 0.05 in the initial and continuing calibrations.
(b) Associated CCV outside of control limits low.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-5MW-S1
Lab Sample ID: JD25514-9
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 93.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M173083.D	1	05/28/21 02:28	CS	05/27/21 10:00	OP33486	EM7415
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	34	ug/kg	
208-96-8	Acenaphthylene	ND	34	ug/kg	
120-12-7	Anthracene	ND	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	ug/kg	
218-01-9	Chrysene	ND	34	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	ug/kg	
206-44-0	Fluoranthene	ND	34	ug/kg	
86-73-7	Fluorene	ND	34	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	ug/kg	
91-20-3	Naphthalene	ND	34	ug/kg	
85-01-8	Phenanthrene	ND	34	ug/kg	
129-00-0	Pyrene	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		7-101%
4165-62-2	Phenol-d5	43%		12-101%
118-79-6	2,4,6-Tribromophenol	58%		10-127%
4165-60-0	Nitrobenzene-d5	52%		15-114%
321-60-8	2-Fluorobiphenyl	57%		22-104%
1718-51-0	Terphenyl-d14	57%		23-121%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-5MW-S1
Lab Sample ID: JD25514-9
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 93.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39452.D	1	05/28/21 10:39	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	ND	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	59%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-5MW-S1
Lab Sample ID: JD25514-9
Matrix: SO - Soil
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 93.1

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.2	2.2	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	< 22	22	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.55	0.55	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	6.4	1.1	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	5.2	2.7	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	6.6	2.2	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.036	0.036	mg/kg	1	05/27/21	05/27/21	LL	SW846 7471B [1]	SW846 7471B [5]
Nickel	6.1	4.4	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	0.98	0.55	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	21.1	5.5	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA50590
(2) Instrument QC Batch: MA50600
(3) Instrument QC Batch: MA50605
(4) Prep QC Batch: MP26698
(5) Prep QC Batch: MP26720

RL = Reporting Limit

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-6MW-S3		
Lab Sample ID:	JD25514-10	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	95.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C178367.D	1	05/25/21 20:42	PS	n/a	n/a	V1C7784
Run #2							

	Initial Weight
Run #1	8.9 g
Run #2	

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.9	ug/kg	
107-13-1	Acrylonitrile	ND	5.9	ug/kg	
71-43-2	Benzene	ND	0.29	ug/kg	
108-86-1	Bromobenzene	ND	2.9	ug/kg	
75-27-4	Bromodichloromethane	ND	1.2	ug/kg	
75-25-2	Bromoform	ND	2.9	ug/kg	
74-83-9	Bromomethane	ND	2.9	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5.9	ug/kg	
104-51-8	n-Butylbenzene	ND	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	1.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	1.2	ug/kg	
75-00-3	Chloroethane	ND	2.9	ug/kg	
67-66-3	Chloroform	ND	1.2	ug/kg	
74-87-3	Chloromethane	ND	2.9	ug/kg	
95-49-8	o-Chlorotoluene	ND	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	1.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.59	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.59	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.59	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	2.9	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	2.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.59	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.59	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.59	ug/kg	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-6MW-S3		
Lab Sample ID:	JD25514-10	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	95.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	0.59	ug/kg	
76-13-1	Freon 113	ND	2.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2.9	ug/kg	
591-78-6	2-Hexanone	ND	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.59	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2.9	ug/kg	
74-95-3	Methylene bromide	ND	2.9	ug/kg	
75-09-2	Methylene chloride	ND	2.9	ug/kg	
91-20-3	Naphthalene	ND	2.9	ug/kg	
103-65-1	n-Propylbenzene	ND	1.2	ug/kg	
100-42-5	Styrene	ND	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	ug/kg	
127-18-4	Tetrachloroethene	ND	1.2	ug/kg	
109-99-9	Tetrahydrofuran	ND	5.9	ug/kg	
108-88-3	Toluene	ND	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.2	ug/kg	
79-01-6	Trichloroethene	ND	0.59	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.9	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	1.2	ug/kg	
	m,p-Xylene	ND	0.59	ug/kg	
95-47-6	o-Xylene	ND	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID:	L1985-6MW-S3		
Lab Sample ID:	JD25514-10	**Date Sampled:**	05/24/21
Matrix:	SO - Soil	**Date Received:**	05/24/21
Method:	SW846 8260D	**Percent Solids:**	95.8
Project:	Eversource, Blue Hills Avenue Ext, Windsor, CT		

VOA RCP List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	102%		75-131%
2037-26-5	Toluene-D8	105%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

(a) Associated CCV outside of control limits low.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-6MW-S3
Lab Sample ID: JD25514-10
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 95.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M173077.D	1	05/27/21 23:44	CS	05/27/21 10:00	OP33486	EM7415
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	34	ug/kg	
208-96-8	Acenaphthylene	ND	34	ug/kg	
120-12-7	Anthracene	ND	34	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	ug/kg	
218-01-9	Chrysene	ND	34	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	ug/kg	
206-44-0	Fluoranthene	ND	34	ug/kg	
86-73-7	Fluorene	ND	34	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	ug/kg	
91-20-3	Naphthalene	ND	34	ug/kg	
85-01-8	Phenanthrene	ND	34	ug/kg	
129-00-0	Pyrene	ND	34	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		7-101%
4165-62-2	Phenol-d5	58%		12-101%
118-79-6	2,4,6-Tribromophenol	73%		10-127%
4165-60-0	Nitrobenzene-d5	63%		15-114%
321-60-8	2-Fluorobiphenyl	69%		22-104%
1718-51-0	Terphenyl-d14	67%		23-121%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-6MW-S3
Lab Sample ID: JD25514-10
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 95.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G166715.D	1	06/01/21 13:23	KLS	05/27/21 09:40	OP33490	G1G5676
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide RCP List

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.64	ug/kg	
15972-60-8	Alachlor	ND	6.4	ug/kg	
319-84-6	alpha-BHC	ND	0.64	ug/kg	
319-85-7	beta-BHC	ND	0.64	ug/kg	
319-86-8	delta-BHC	ND	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.64	ug/kg	
12789-03-6	Chlordane	ND	32	ug/kg	
60-57-1	Dieldrin	ND	0.64	ug/kg	
72-54-8	4,4'-DDD	ND	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	0.64	ug/kg	
50-29-3	4,4'-DDT	ND	0.64	ug/kg	
72-20-8	Endrin	ND	0.64	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.64	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.64	ug/kg	
959-98-8	Endosulfan-I	ND	0.64	ug/kg	
33213-65-9	Endosulfan-II	ND	0.64	ug/kg	
76-44-8	Heptachlor	ND	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.64	ug/kg	
72-43-5	Methoxychlor	ND	1.3	ug/kg	
53494-70-5	Endrin ketone	ND	0.64	ug/kg	
8001-35-2	Toxaphene	ND	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		27-138%
877-09-8	Tetrachloro-m-xylene	65%		27-138%
2051-24-3	Decachlorobiphenyl	68%		10-179%
2051-24-3	Decachlorobiphenyl	63%		10-179%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-6MW-S3
Lab Sample ID: JD25514-10
Matrix: SO - Soil
Method: CT-ETPH SW846 3546
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 95.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8Y39453.D	1	05/28/21 11:18	CP	05/27/21 10:00	OP33509	G8Y1611
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	ND	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	54%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS LabLink@1104213 09:57 28-Jun-2021

Report of Analysis

Client Sample ID: L1985-6MW-S3
Lab Sample ID: JD25514-10
Matrix: SO - Soil
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Date Sampled: 05/24/21
Date Received: 05/24/21
Percent Solids: 95.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.1	2.1	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	< 21	21	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.52	0.52	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	5.0	1.0	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	3.2	2.6	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	2.8	2.1	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.034	0.034	mg/kg	1	05/27/21	05/27/21	LL	SW846 7471B [1]	SW846 7471B [5]
Nickel	5.3	4.1	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.52	0.52	mg/kg	1	05/26/21	05/28/21	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	10.4	5.2	mg/kg	1	05/26/21	05/27/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA50590
(2) Instrument QC Batch: MA50600
(3) Instrument QC Batch: MA50605
(4) Prep QC Batch: MP26698
(5) Prep QC Batch: MP26720

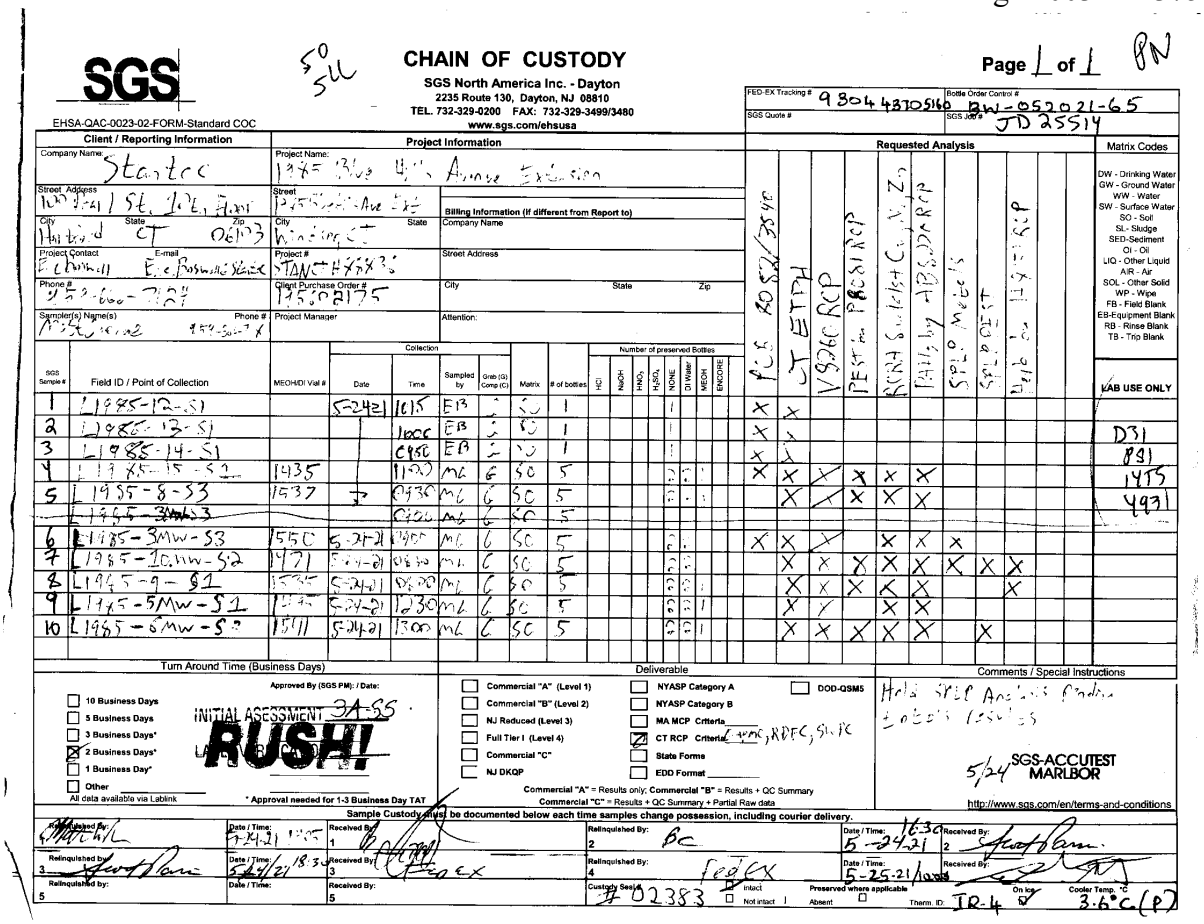
RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- RCP Form
- Sample Tracking Chronicle
- QC Evaluation: CT RCP Limits



SGS

EHSA-QAC-0023-02-FORM-Standard COC

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking # 930443705140 | Bottle Order Control # BW-052021-65
SGS Quote # | SGS Job # JD25514

Client / Reporting Information

Company Name: Stantec
Street Address: 100 Front St, Ste 1401, Floor
City: Hartford State: CT Zip: 06103
Project Contact: E Chernicoff E-mail: E.chernicoff@stantec.com
Phone #: 413-686-7227 Client Purchase Order #: 1950021775
Sampler(s) Name(s): Phone #:

Project Information

Project Name: 1345 Blue Hills Avenue Extension
Street: 1345 Blue Hills Ave Ext
City: Windsor State: CT
Project #: STANCHXXX3
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	L1985-12-S1		5-24-21	1015	EB	C	SO	1					1				
2	L1985-13-S1			1005	EB	C	SO	1					1				D31
3	L1985-14-S1			0950	EB	C	SO	1					1				B91
4	L1985-15-S2	1435		1120	ML	G	SO	5									1475
5	L1985-8-S3	1537		0930	ML	G	SO	5									4991
	~~L1985-3MW-S3~~			0920	ML	G	SO	5									
6	L1985-3MW-S3	1550	5-24-21	1400	ML	G	SO	5									
7	L1985-10MW-S2	1471	5-24-21	0830	ML	G	SO	5									
8	L1985-9-S1	1545	5-24-21	0900	ML	G	SO	5									
9	L1985-5MW-S1	1545	5-24-21	1230	ML	G	SO	5									
10	L1985-8MW-S2	1511	5-24-21	1300	ML	G	SO	5									

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [x] 2 Business Days*
- [ ] 1 Business Days*
- [ ] Other
- [ ] All data available via Lablink

INITIAL ASSESSMENT 5-25-21
RUSH!
* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [x] CT RCP Criteria (4 MC, RDEC, SL-PC)
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Hold SPLP Analysis Pending Lab's Results

5/24 SGS-ACCUTEST MARLBOR

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By:	Date / Time:	Received By:
1	5-24-21 1705	1
2	5-24-21 1830	2
3	5/24/21 1830	3 FedEx
4	5-25-21 1030	4
5		5

Custody Seal # 702383 Intact / Not Intact | Preserved where applicable | On Ice | Cooler Temp. °C: 3.6°C (P) | Therm. ID: IR-4

SGS Sample Receipt Summary

Job Number: JD25514 **Client:** STANTEC **Project:** EVERSOURCE, BLUE HILLS AVENUE EXT, WI

Date / Time Received: 5/24/2021 6:30:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 212820 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1 5

SGS Sample Receipt Summary

Job Number: JD25514 **Client:** Stantec **Project:** 1985 Blue Hills Avenue Extension

Date / Time Received: 5/24/2021 **Delivery Method:** FedEx **Airbill #'s:** 9304 4310 5160

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	IR Gun
3. Cooler media:	Ice (bag)
4. No. Coolers:	1

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler:	☐ ☑	☐
2. Trip Blank listed on COC:	☐ ☑	☐
3. Samples preserved properly:	☑ ☐	
4. VOCs headspace free:	☐ ☐	☑

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☐ ☑

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear:	☑ ☐	
2. Bottles received for unspecified tests	☐ ☑	
3. Sufficient volume recvd for analysis:	☑ ☐	
4. Compositing instructions clear:	☐ ☐	☑
5. Filtering instructions clear:	☐ ☐	☑

Test Strip Lot #s: pH 1-12: 212820 pH 12+: 203117A Other: (Specify) _____ _____

Comments Sample -1: Received 1 x 16oz jar of soil labeled with ID L1985-14-S1. Collection time/date OK as 5/24/21 10:15. L1985-14-S1 already accounted for as sample -3.

SM089-03
Rev. Date 12/7/17

5.1 5

Job Change Order: JD25514

Requested Date:	5/25/2021	**Received Date:**	5/24/2021
Account Name:	Stantec	**Due Date:**	5/26/2021
Project Description:	Eversource, Blue Hills Avenue Ext, Windsor, CT	**Deliverable:**	CTRCP
C/O Initiated By:	KRISTIND **PM:** BW	**TAT (Days):**	7

==========

Sample #: JD25514-ALL

Dept:

TAT: 7

Change:
Please revise to 7 day TAT per rush pre-approval.

==========

Above Changes Per: Lab **Date/Time:** 5/25/2021 12:03:05 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JD25514

Requested Date:	6/3/2021	**Received Date:**	5/24/2021
Account Name:	Stantec	**Due Date:**	6/1/2021
Project Description:	Eversource, Blue Hills Avenue Ext, Windsor, CT	**Deliverable:**	CTRCP
C/O Initiated By:	BETHW **PM:** BW	**TAT (Days):**	3

Sample #: JD25514-6
Dept:
TAT: 3
L1985-3MW-S3

Change:
Relog for SPLPM, SPLPE, SPLPRATIO on3 day TAT

Sample #: JD25514-7
Dept:
TAT: 7
L1985-10MW-S2

Change:
Relog for SPLPM, SPLPE, SPLPRATIO on 3 day TAT, relog for P8081SPLPRCP on 7 day TAT

Sample #: JD25514-10
Dept:
TAT: 7
L1985-6MW-S3

Change:
Relog for P8081SPLPRCP, SPLPE, SPLPRATIO on 7 day TAT

Above Changes Per: Eric Boswell **Date/Time:** 6/3/2021 2:36:14 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Reasonable Confidence Protocol
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: SGS North America Inc. **Client:** Stantec

Project Location: Eversource, Blue Hills Avenue Ext, Windsor, CT **Project Number:**

Sampling Date(s): 5/24/2021

Laboratory Sample ID(s): JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

Methods: CT-ETPH, SM2540 G 18TH ED MOD, SW846 6010D, SW846 7471B, SW846 8081B, SW846 8082A, SW846 8151A, SW846 8260D, SW846 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents)?	Yes ☑ No ☐
1A	Where all the method specified preservation and holding time requirements met?	Yes ☑ No ☐
1B	VPH and EPH mehods only: Was the VPH or EPH method conducted without significant modifications (See section 11.3 of respective methods)	Yes ☐ No ☐ NA ☑
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☑ No ☐
3	Were samples received at an appropriate temperature (<6° C)?	Yes ☑ No ☐
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	Yes ☐ No ☑
5	a) Were reporting limits specified or referenced on the chain-of-custody?	Yes ☑ No ☐
	b) Were these reporting limits met?	Yes ☑ No ☐
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes ☐ No ☑
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☑ No ☐

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Caitlin Brice Position: General Manager

Printed Name: Caitlin Brice Date: 6/2/2021

SGS North America Inc.

Internal Sample Tracking Chronicle

Stantec

Job No: JD25514

Eversource, Blue Hills Avenue Ext, Windsor, CT
Project No: STANCTH88836 PO#19562172

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD25514-1	Collected: 24-MAY-21 10:15 By: EB			Received: 24-MAY-21 By: DG		
L1985-12-S1						
JD25514-1	SM2540 G 18TH ED MOD	29-MAY-21 16:35	BG			SOL104
JD25514-1	CT-ETPH	28-MAY-21 03:57	CP	27-MAY-21	TC	BCTTPH
JD25514-1	SW846 8082A	29-MAY-21 04:44	RK	27-MAY-21	KM	P8082SOXHLETRCP
JD25514-2	Collected: 24-MAY-21 10:00 By: EB			Received: 24-MAY-21 By: DG		
L1985-13-S1						
JD25514-2	SM2540 G 18TH ED MOD	29-MAY-21 16:35	BG			SOL104
JD25514-2	CT-ETPH	28-MAY-21 05:59	CP	27-MAY-21	TC	BCTTPH
JD25514-2	SW846 8082A	29-MAY-21 06:21	RK	27-MAY-21	KM	P8082SOXHLETRCP
JD25514-3	Collected: 24-MAY-21 09:50 By: EB			Received: 24-MAY-21 By: DG		
L1985-14-S1						
JD25514-3	SM2540 G 18TH ED MOD	29-MAY-21 16:35	BG			SOL104
JD25514-3	CT-ETPH	28-MAY-21 06:39	CP	27-MAY-21	TC	BCTTPH
JD25514-3	SW846 8082A	29-MAY-21 06:53	RK	27-MAY-21	KM	P8082SOXHLETRCP
JD25514-4	Collected: 24-MAY-21 11:00 By: MG			Received: 24-MAY-21 By: DG		
L1985-15-S1						
JD25514-4	SM2540 G 18TH ED MOD	29-MAY-21 16:35	BG			SOL104
JD25514-4	SW846 8260D	25-MAY-21 18:00	PS			V8260RCP
JD25514-4	SW846 7471B	27-MAY-21 09:16	LL	27-MAY-21	MC	HG
JD25514-4	SW846 6010D	27-MAY-21 19:40	ND	26-MAY-21	SV	AS,BA,CD,CR,CU,NI,PB,ZN
JD25514-4	SW846 8270E	28-MAY-21 06:33	CS	27-MAY-21	LJ	AB8270RCP
JD25514-4	CT-ETPH	28-MAY-21 07:19	CP	27-MAY-21	TC	BCTTPH
JD25514-4	SW846 6010D	28-MAY-21 15:57	ND	26-MAY-21	SV	AG,SE
JD25514-4	SW846 8082A	29-MAY-21 09:34	RK	27-MAY-21	KM	P8082SOXHLETRCP
JD25514-4	SW846 8081B	01-JUN-21 14:37	KLS	27-MAY-21	KM	P8081RCP
JD25514-5	Collected: 24-MAY-21 09:30 By: MG			Received: 24-MAY-21 By: DG		
L1985-8-S3						
JD25514-5	SM2540 G 18TH ED MOD	29-MAY-21 16:35	BG			SOL104
JD25514-5	SW846 8260D	25-MAY-21 18:27	PS			V8260RCP
JD25514-5	SW846 7471B	27-MAY-21 09:14	LL	27-MAY-21	MC	HG

SGS North America Inc.

Internal Sample Tracking Chronicle

Stantec

Job No: JD25514

Eversource, Blue Hills Avenue Ext, Windsor, CT
Project No: STANCTH88836 PO#19562172

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD25514-5	SW846 6010D	27-MAY-21 18:45	ND	26-MAY-21	SV	AS,BA,CD,CR,CU,NI,PB,ZN
JD25514-5	SW846 8270E	27-MAY-21 23:17	CS	27-MAY-21	LJ	AB8270RCP
JD25514-5	CT-ETPH	28-MAY-21 08:00	CP	27-MAY-21	TC	BCTTPH
JD25514-5	SW846 6010D	28-MAY-21 15:02	ND	26-MAY-21	SV	AG,SE
JD25514-5	SW846 8081B	01-JUN-21 13:05	KLS	27-MAY-21	KM	P8081RCP
JD25514-6	Collected: 24-MAY-21 09:00 By: MG			Received: 24-MAY-21 By: DG		
L1985-3MW-S3						
JD25514-6	SM2540 G 18TH ED MOD	25-MAY-21 16:35	BG			SOL104
JD25514-6	SW846 8260D	25-MAY-21 18:54	PS			V8260RCP
JD25514-6	SW846 7471B	27-MAY-21 09:23	LL	27-MAY-21	MC	HG
JD25514-6	SW846 6010D	27-MAY-21 19:45	ND	26-MAY-21	SV	AS,BA,CD,CR,CU,NI,PB,ZN
JD25514-6	SW846 8270E	28-MAY-21 02:01	CS	27-MAY-21	LJ	AB8270RCP
JD25514-6	CT-ETPH	28-MAY-21 08:40	CP	27-MAY-21	TC	BCTTPH
JD25514-6	SW846 6010D	28-MAY-21 16:02	ND	26-MAY-21	SV	AG,SE
JD25514-6	SW846 8082A	29-MAY-21 10:06	RK	27-MAY-21	KM	P8082SOXHLETRCP
JD25514-7	Collected: 24-MAY-21 08:30 By: MG			Received: 24-MAY-21 By: DG		
L1985-10MW-S2						
JD25514-7	SM2540 G 18TH ED MOD	25-MAY-21 16:35	BG			SOL104
JD25514-7	SW846 8260D	25-MAY-21 19:21	PS			V8260RCP
JD25514-7	SW846 7471B	27-MAY-21 09:24	LL	27-MAY-21	MC	HG
JD25514-7	SW846 6010D	27-MAY-21 19:50	ND	26-MAY-21	SV	AS,BA,CD,CR,CU,NI,PB,ZN
JD25514-7	SW846 8270E	28-MAY-21 04:45	CS	27-MAY-21	LJ	AB8270RCP
JD25514-7	CT-ETPH	28-MAY-21 09:21	CP	27-MAY-21	TC	BCTTPH
JD25514-7	SW846 6010D	28-MAY-21 16:07	ND	26-MAY-21	SV	AG,SE
JD25514-7	SW846 8151A	29-MAY-21 05:48	RK	26-MAY-21	BL	H8151RCP
JD25514-7	SW846 8081B	01-JUN-21 14:53	KLS	27-MAY-21	KM	P8081RCP
JD25514-8	Collected: 24-MAY-21 08:00 By: MG			Received: 24-MAY-21 By: DG		
L1985-9-S1						
JD25514-8	SM2540 G 18TH ED MOD	25-MAY-21 16:35	BG			SOL104
JD25514-8	SW846 8260D	25-MAY-21 19:48	PS			V8260RCP
JD25514-8	SW846 7471B	27-MAY-21 09:26	LL	27-MAY-21	MC	HG
JD25514-8	SW846 8151A	27-MAY-21 15:49	CP	26-MAY-21	BL	H8151RCP
JD25514-8	SW846 6010D	27-MAY-21 19:55	ND	26-MAY-21	SV	AS,BA,CD,CR,CU,NI,PB,ZN
JD25514-8	SW846 8270E	28-MAY-21 05:12	CS	27-MAY-21	LJ	AB8270RCP

SGS North America Inc.

Internal Sample Tracking Chronicle

Stantec

Job No: JD25514

Eversource, Blue Hills Avenue Ext, Windsor, CT
Project No: STANCTH88836 PO#19562172

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD25514-8	CT-ETPH	28-MAY-21 09:59	CP	27-MAY-21	TC	BCTTPH
JD25514-8	SW846 6010D	28-MAY-21 16:13	ND	26-MAY-21	SV	AG,SE
JD25514-8	SW846 8081B	01-JUN-21 15:09	KLS	27-MAY-21	KM	P8081RCP
JD25514-9	Collected: 24-MAY-21 12:30 By: MG			Received: 24-MAY-21 By: DG		
L1985-5MW-S1						
JD25514-9	SM2540 G 18TH ED MOD	25-MAY-21 16:35	BG			SOL104
JD25514-9	SW846 8260D	25-MAY-21 20:15	PS			V8260RCP
JD25514-9	SW846 7471B	27-MAY-21 09:27	LL	27-MAY-21	MC	HG
JD25514-9	SW846 6010D	27-MAY-21 20:00	ND	26-MAY-21	SV	AS,BA,CD,CR,CU,NI,PB,ZN
JD25514-9	SW846 8270E	28-MAY-21 02:28	CS	27-MAY-21	LJ	AB8270RCP
JD25514-9	CT-ETPH	28-MAY-21 10:39	CP	27-MAY-21	TC	BCTTPH
JD25514-9	SW846 6010D	28-MAY-21 16:18	ND	26-MAY-21	SV	AG,SE
JD25514-10	Collected: 24-MAY-21 13:00 By: MG			Received: 24-MAY-21 By: DG		
L1985-6MW-S3						
JD25514-10	SM2540 G 18TH ED MOD	25-MAY-21 16:35	BG			SOL104
JD25514-10	SW846 8260D	25-MAY-21 20:42	PS			V8260RCP
JD25514-10	SW846 7471B	27-MAY-21 09:29	LL	27-MAY-21	MC	HG
JD25514-10	SW846 6010D	27-MAY-21 20:06	ND	26-MAY-21	SV	AS,BA,CD,CR,CU,NI,PB,ZN
JD25514-10	SW846 8270E	27-MAY-21 23:44	CS	27-MAY-21	LJ	AB8270RCP
JD25514-10	CT-ETPH	28-MAY-21 11:18	CP	27-MAY-21	TC	BCTTPH
JD25514-10	SW846 6010D	28-MAY-21 16:23	ND	26-MAY-21	SV	AG,SE
JD25514-10	SW846 8081B	01-JUN-21 13:23	KLS	27-MAY-21	KM	P8081RCP

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1C7784	SW846 8260D						
V1C7784-BS	67-64-1	Acetone	BSP	REC	93	%	70-130
V1C7784-BS	107-13-1	Acrylonitrile	BSP	REC	106	%	70-130
V1C7784-BS	71-43-2	Benzene	BSP	REC	95	%	70-130
V1C7784-BS	108-86-1	Bromobenzene	BSP	REC	101	%	70-130
V1C7784-BS	75-27-4	Bromodichloromethane	BSP	REC	100	%	70-130
V1C7784-BS	75-25-2	Bromoform	BSP	REC	119	%	70-130
V1C7784-BS	74-83-9	Bromomethane	BSP	REC	84	%	70-130
V1C7784-BS	78-93-3	2-Butanone (MEK)	BSP	REC	107	%	70-130
V1C7784-BS	104-51-8	n-Butylbenzene	BSP	REC	97	%	70-130
V1C7784-BS	135-98-8	sec-Butylbenzene	BSP	REC	94	%	70-130
V1C7784-BS	98-06-6	tert-Butylbenzene	BSP	REC	99	%	70-130
V1C7784-BS	75-15-0	Carbon disulfide	BSP	REC	84	%	70-130
V1C7784-BS	56-23-5	Carbon tetrachloride	BSP	REC	90	%	70-130
V1C7784-BS	108-90-7	Chlorobenzene	BSP	REC	101	%	70-130
V1C7784-BS	75-00-3	Chloroethane	BSP	REC	93	%	70-130
V1C7784-BS	67-66-3	Chloroform	BSP	REC	92	%	70-130
V1C7784-BS	74-87-3	Chloromethane	BSP	REC	85	%	70-130
V1C7784-BS	95-49-8	o-Chlorotoluene	BSP	REC	97	%	70-130
V1C7784-BS	106-43-4	p-Chlorotoluene	BSP	REC	96	%	70-130
V1C7784-BS	96-12-8	1,2-Dibromo-3-chloropropane	BSP	REC	103	%	70-130
V1C7784-BS	124-48-1	Dibromochloromethane	BSP	REC	118	%	70-130
V1C7784-BS	106-93-4	1,2-Dibromoethane	BSP	REC	105	%	70-130
V1C7784-BS	95-50-1	1,2-Dichlorobenzene	BSP	REC	102	%	70-130
V1C7784-BS	541-73-1	1,3-Dichlorobenzene	BSP	REC	97	%	70-130
V1C7784-BS	106-46-7	1,4-Dichlorobenzene	BSP	REC	95	%	70-130
V1C7784-BS	110-57-6	Trans-1,4-Dichloro-2-Butene	BSP	REC	114	%	70-130
V1C7784-BS	75-71-8	Dichlorodifluoromethane	BSP	REC	78	%	70-130
V1C7784-BS	75-34-3	1,1-Dichloroethane	BSP	REC	98	%	70-130
V1C7784-BS	107-06-2	1,2-Dichloroethane	BSP	REC	96	%	70-130
V1C7784-BS	75-35-4	1,1-Dichloroethene	BSP	REC	84	%	70-130
V1C7784-BS	156-59-2	cis-1,2-Dichloroethene	BSP	REC	93	%	70-130
V1C7784-BS	156-60-5	trans-1,2-Dichloroethene	BSP	REC	87	%	70-130
V1C7784-BS	78-87-5	1,2-Dichloropropane	BSP	REC	105	%	70-130
V1C7784-BS	142-28-9	1,3-Dichloropropane	BSP	REC	115	%	70-130
V1C7784-BS	594-20-7	2,2-Dichloropropane	BSP	REC	89	%	70-130
V1C7784-BS	563-58-6	1,1-Dichloropropene	BSP	REC	96	%	70-130
V1C7784-BS	10061-01-5	cis-1,3-Dichloropropene	BSP	REC	105	%	70-130
V1C7784-BS	10061-02-6	trans-1,3-Dichloropropene	BSP	REC	116	%	70-130
V1C7784-BS	100-41-4	Ethylbenzene	BSP	REC	96	%	70-130
V1C7784-BS	76-13-1	Freon 113	BSP	REC	89	%	70-130
V1C7784-BS	87-68-3	Hexachlorobutadiene	BSP	REC	92	%	70-130
V1C7784-BS	591-78-6	2-Hexanone	BSP	REC	117	%	70-130

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
V1C7784-BS	98-82-8	Isopropylbenzene	BSP	REC	92	%	70-130
V1C7784-BS	99-87-6	p-Isopropyltoluene	BSP	REC	96	%	70-130
V1C7784-BS	1634-04-4	Methyl Tert Butyl Ether	BSP	REC	101	%	70-130
V1C7784-BS	108-10-1	4-Methyl-2-pentanone(MIBK)	BSP	REC	108	%	70-130
V1C7784-BS	74-95-3	Methylene bromide	BSP	REC	102	%	70-130
V1C7784-BS	75-09-2	Methylene chloride	BSP	REC	98	%	70-130
V1C7784-BS	91-20-3	Naphthalene	BSP	REC	90	%	70-130
V1C7784-BS	103-65-1	n-Propylbenzene	BSP	REC	93	%	70-130
V1C7784-BS	100-42-5	Styrene	BSP	REC	96	%	70-130
V1C7784-BS	630-20-6	1,1,1,2-Tetrachloroethane	BSP	REC	106	%	70-130
V1C7784-BS	79-34-5	1,1,2,2-Tetrachloroethane	BSP	REC	109	%	70-130
V1C7784-BS	127-18-4	Tetrachloroethene	BSP	REC	102	%	70-130
V1C7784-BS	109-99-9	Tetrahydrofuran	BSP	REC	105	%	70-130
V1C7784-BS	108-88-3	Toluene	BSP	REC	102	%	70-130
V1C7784-BS	87-61-6	1,2,3-Trichlorobenzene	BSP	REC	95	%	70-130
V1C7784-BS	120-82-1	1,2,4-Trichlorobenzene	BSP	REC	98	%	70-130
V1C7784-BS	71-55-6	1,1,1-Trichloroethane	BSP	REC	89	%	70-130
V1C7784-BS	79-00-5	1,1,2-Trichloroethane	BSP	REC	118	%	70-130
V1C7784-BS	79-01-6	Trichloroethene	BSP	REC	104	%	70-130
V1C7784-BS	75-69-4	Trichlorofluoromethane	BSP	REC	81	%	70-130
V1C7784-BS	96-18-4	1,2,3-Trichloropropane	BSP	REC	108	%	70-130
V1C7784-BS	95-63-6	1,2,4-Trimethylbenzene	BSP	REC	96	%	70-130
V1C7784-BS	108-67-8	1,3,5-Trimethylbenzene	BSP	REC	96	%	70-130
V1C7784-BS	75-01-4	Vinyl chloride	BSP	REC	82	%	70-130
V1C7784-BS		m,p-Xylene	BSP	REC	96	%	70-130
V1C7784-BS	95-47-6	o-Xylene	BSP	REC	99	%	70-130
V1C7784-BS	1868-53-7	Dibromofluoromethane	BSP	SURR	101	%	70-130
V1C7784-BS	2037-26-5	Toluene-D8	BSP	SURR	108	%	70-130
V1C7784-BS	460-00-4	4-Bromofluorobenzene	BSP	SURR	102	%	70-130
V1C7784-MB	1868-53-7	Dibromofluoromethane	MB	SURR	96	%	70-130
V1C7784-MB	2037-26-5	Toluene-D8	MB	SURR	107	%	70-130
V1C7784-MB	460-00-4	4-Bromofluorobenzene	MB	SURR	97	%	70-130
JD25514-4	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	70-130
JD25514-4	2037-26-5	Toluene-D8	SAMP	SURR	105	%	70-130
JD25514-4	460-00-4	4-Bromofluorobenzene	SAMP	SURR	98	%	70-130
JD25514-5	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	70-130
JD25514-5	2037-26-5	Toluene-D8	SAMP	SURR	105	%	70-130
JD25514-5	460-00-4	4-Bromofluorobenzene	SAMP	SURR	97	%	70-130
JD25514-6	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	70-130
JD25514-6	2037-26-5	Toluene-D8	SAMP	SURR	105	%	70-130
JD25514-6	460-00-4	4-Bromofluorobenzene	SAMP	SURR	96	%	70-130
JD25514-7	1868-53-7	Dibromofluoromethane	SAMP	SURR	105	%	70-130
JD25514-7	2037-26-5	Toluene-D8	SAMP	SURR	104	%	70-130
JD25514-7	460-00-4	4-Bromofluorobenzene	SAMP	SURR	97	%	70-130
JD25514-8	1868-53-7	Dibromofluoromethane	SAMP	SURR	102	%	70-130

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
JD25514-8	2037-26-5	Toluene-D8	SAMP	SURR	107	%	70-130
JD25514-8	460-00-4	4-Bromofluorobenzene	SAMP	SURR	99	%	70-130
JD25514-9	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	70-130
JD25514-9	2037-26-5	Toluene-D8	SAMP	SURR	105	%	70-130
JD25514-9	460-00-4	4-Bromofluorobenzene	SAMP	SURR	97	%	70-130
JD25514-10	1868-53-7	Dibromofluoromethane	SAMP	SURR	104	%	70-130
JD25514-10	2037-26-5	Toluene-D8	SAMP	SURR	105	%	70-130
JD25514-10	460-00-4	4-Bromofluorobenzene	SAMP	SURR	96	%	70-130
OP33486	SW846 8270E						
OP33486-BS1	83-32-9	Acenaphthene	BSP	REC	87	%	40-140
OP33486-BS1	208-96-8	Acenaphthylene	BSP	REC	77	%	40-140
OP33486-BS1	120-12-7	Anthracene	BSP	REC	88	%	40-140
OP33486-BS1	56-55-3	Benzo(a)anthracene	BSP	REC	90	%	40-140
OP33486-BS1	50-32-8	Benzo(a)pyrene	BSP	REC	88	%	40-140
OP33486-BS1	205-99-2	Benzo(b)fluoranthene	BSP	REC	91	%	40-140
OP33486-BS1	191-24-2	Benzo(g,h,i)perylene	BSP	REC	83	%	40-140
OP33486-BS1	207-08-9	Benzo(k)fluoranthene	BSP	REC	76	%	40-140
OP33486-BS1	218-01-9	Chrysene	BSP	REC	89	%	40-140
OP33486-BS1	53-70-3	Dibenzo(a,h)anthracene	BSP	REC	86	%	40-140
OP33486-BS1	206-44-0	Fluoranthene	BSP	REC	86	%	40-140
OP33486-BS1	86-73-7	Fluorene	BSP	REC	82	%	40-140
OP33486-BS1	193-39-5	Indeno(1,2,3-cd)pyrene	BSP	REC	88	%	40-140
OP33486-BS1	91-20-3	Naphthalene	BSP	REC	84	%	40-140
OP33486-BS1	85-01-8	Phenanthrene	BSP	REC	86	%	40-140
OP33486-BS1	129-00-0	Pyrene	BSP	REC	92	%	40-140
OP33486-BS1	367-12-4	2-Fluorophenol	BSP	SURR	91	%	30-130
OP33486-BS1	4165-62-2	Phenol-d5	BSP	SURR	83	%	30-130
OP33486-BS1	118-79-6	2,4,6-Tribromophenol	BSP	SURR	94	%	30-130
OP33486-BS1	4165-60-0	Nitrobenzene-d5	BSP	SURR	83	%	30-130
OP33486-BS1	321-60-8	2-Fluorobiphenyl	BSP	SURR	79	%	30-130
OP33486-BS1	1718-51-0	Terphenyl-d14	BSP	SURR	98	%	30-130
OP33486-MS	83-32-9	Acenaphthene	MS	REC	74	%	40-140
OP33486-MS	208-96-8	Acenaphthylene	MS	REC	65	%	40-140
OP33486-MS	120-12-7	Anthracene	MS	REC	80	%	40-140
OP33486-MS	56-55-3	Benzo(a)anthracene	MS	REC	76	%	40-140
OP33486-MS	50-32-8	Benzo(a)pyrene	MS	REC	74	%	40-140
OP33486-MS	205-99-2	Benzo(b)fluoranthene	MS	REC	77	%	40-140
OP33486-MS	191-24-2	Benzo(g,h,i)perylene	MS	REC	71	%	40-140
OP33486-MS	207-08-9	Benzo(k)fluoranthene	MS	REC	71	%	40-140
OP33486-MS	218-01-9	Chrysene	MS	REC	79	%	40-140
OP33486-MS	53-70-3	Dibenzo(a,h)anthracene	MS	REC	79	%	40-140
OP33486-MS	206-44-0	Fluoranthene	MS	REC	70	%	40-140
OP33486-MS	86-73-7	Fluorene	MS	REC	71	%	40-140

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP33486-MS	193-39-5	Indeno(1,2,3-cd)pyrene	MS	REC	75	%	40-140
OP33486-MS	91-20-3	Naphthalene	MS	REC	69	%	40-140
OP33486-MS	85-01-8	Phenanthrene	MS	REC	72	%	40-140
OP33486-MS	129-00-0	Pyrene	MS	REC	79	%	40-140
OP33486-MS	367-12-4	2-Fluorophenol	MS	SURR	75	%	30-130
OP33486-MS	4165-62-2	Phenol-d5	MS	SURR	70	%	30-130
OP33486-MS	118-79-6	2,4,6-Tribromophenol	MS	SURR	85	%	30-130
OP33486-MS	4165-60-0	Nitrobenzene-d5	MS	SURR	72	%	30-130
OP33486-MS	321-60-8	2-Fluorobiphenyl	MS	SURR	68	%	30-130
OP33486-MS	1718-51-0	Terphenyl-d14	MS	SURR	93	%	30-130
OP33486-MSD	83-32-9	Acenaphthene	MSD	REC	73	%	40-140
OP33486-MSD	83-32-9	Acenaphthene	MSD	RPD	4	%	30
OP33486-MSD	208-96-8	Acenaphthylene	MSD	REC	63	%	40-140
OP33486-MSD	208-96-8	Acenaphthylene	MSD	RPD	4	%	30
OP33486-MSD	120-12-7	Anthracene	MSD	REC	76	%	40-140
OP33486-MSD	120-12-7	Anthracene	MSD	RPD	6	%	30
OP33486-MSD	56-55-3	Benzo(a)anthracene	MSD	REC	72	%	40-140
OP33486-MSD	56-55-3	Benzo(a)anthracene	MSD	RPD	6	%	30
OP33486-MSD	50-32-8	Benzo(a)pyrene	MSD	REC	69	%	40-140
OP33486-MSD	50-32-8	Benzo(a)pyrene	MSD	RPD	8	%	30
OP33486-MSD	205-99-2	Benzo(b)fluoranthene	MSD	REC	74	%	40-140
OP33486-MSD	205-99-2	Benzo(b)fluoranthene	MSD	RPD	5	%	30
OP33486-MSD	191-24-2	Benzo(g,h,i)perylene	MSD	REC	66	%	40-140
OP33486-MSD	191-24-2	Benzo(g,h,i)perylene	MSD	RPD	8	%	30
OP33486-MSD	207-08-9	Benzo(k)fluoranthene	MSD	REC	68	%	40-140
OP33486-MSD	207-08-9	Benzo(k)fluoranthene	MSD	RPD	6	%	30
OP33486-MSD	218-01-9	Chrysene	MSD	REC	73	%	40-140
OP33486-MSD	218-01-9	Chrysene	MSD	RPD	8	%	30
OP33486-MSD	53-70-3	Dibenzo(a,h)anthracene	MSD	REC	73	%	40-140
OP33486-MSD	53-70-3	Dibenzo(a,h)anthracene	MSD	RPD	9	%	30
OP33486-MSD	206-44-0	Fluoranthene	MSD	REC	66	%	40-140
OP33486-MSD	206-44-0	Fluoranthene	MSD	RPD	7	%	30
OP33486-MSD	86-73-7	Fluorene	MSD	REC	69	%	40-140
OP33486-MSD	86-73-7	Fluorene	MSD	RPD	5	%	30
OP33486-MSD	193-39-5	Indeno(1,2,3-cd)pyrene	MSD	REC	70	%	40-140
OP33486-MSD	193-39-5	Indeno(1,2,3-cd)pyrene	MSD	RPD	9	%	30
OP33486-MSD	91-20-3	Naphthalene	MSD	REC	67	%	40-140
OP33486-MSD	91-20-3	Naphthalene	MSD	RPD	5	%	30
OP33486-MSD	85-01-8	Phenanthrene	MSD	REC	70	%	40-140
OP33486-MSD	85-01-8	Phenanthrene	MSD	RPD	5	%	30
OP33486-MSD	129-00-0	Pyrene	MSD	REC	74	%	40-140
OP33486-MSD	129-00-0	Pyrene	MSD	RPD	7	%	30
OP33486-MSD	367-12-4	2-Fluorophenol	MSD	SURR	66	%	30-130
OP33486-MSD	4165-62-2	Phenol-d5	MSD	SURR	73	%	30-130
OP33486-MSD	118-79-6	2,4,6-Tribromophenol	MSD	SURR	85	%	30-130

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP33486-MSD	4165-60-0	Nitrobenzene-d5	MSD	SURR	72	%	30-130
OP33486-MSD	321-60-8	2-Fluorobiphenyl	MSD	SURR	72	%	30-130
OP33486-MSD	1718-51-0	Terphenyl-d14	MSD	SURR	92	%	30-130
OP33486-MB1	367-12-4	2-Fluorophenol	MB	SURR	74	%	30-130
OP33486-MB1	4165-62-2	Phenol-d5	MB	SURR	79	%	30-130
OP33486-MB1	118-79-6	2,4,6-Tribromophenol	MB	SURR	97	%	30-130
OP33486-MB1	4165-60-0	Nitrobenzene-d5	MB	SURR	84	%	30-130
OP33486-MB1	321-60-8	2-Fluorobiphenyl	MB	SURR	89	%	30-130
OP33486-MB1	1718-51-0	Terphenyl-d14	MB	SURR	92	%	30-130
JD25514-4	367-12-4	2-Fluorophenol	SAMP	SURR	54	%	30-130
JD25514-4	4165-62-2	Phenol-d5	SAMP	SURR	55	%	30-130
JD25514-4	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	74	%	30-130
JD25514-4	4165-60-0	Nitrobenzene-d5	SAMP	SURR	63	%	30-130
JD25514-4	321-60-8	2-Fluorobiphenyl	SAMP	SURR	67	%	30-130
JD25514-4	1718-51-0	Terphenyl-d14	SAMP	SURR	69	%	30-130
JD25514-5	367-12-4	2-Fluorophenol	SAMP	SURR	50	%	30-130
JD25514-5	4165-62-2	Phenol-d5	SAMP	SURR	54	%	30-130
JD25514-5	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	67	%	30-130
JD25514-5	4165-60-0	Nitrobenzene-d5	SAMP	SURR	59	%	30-130
JD25514-5	321-60-8	2-Fluorobiphenyl	SAMP	SURR	64	%	30-130
JD25514-5	1718-51-0	Terphenyl-d14	SAMP	SURR	64	%	30-130
JD25514-6	367-12-4	2-Fluorophenol	SAMP	SURR	43	%	30-130
JD25514-6	4165-62-2	Phenol-d5	SAMP	SURR	45	%	30-130
JD25514-6	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	58	%	30-130
JD25514-6	4165-60-0	Nitrobenzene-d5	SAMP	SURR	52	%	30-130
JD25514-6	321-60-8	2-Fluorobiphenyl	SAMP	SURR	57	%	30-130
JD25514-6	1718-51-0	Terphenyl-d14	SAMP	SURR	57	%	30-130
JD25514-7	367-12-4	2-Fluorophenol	SAMP	SURR	62	%	30-130
JD25514-7	4165-62-2	Phenol-d5	SAMP	SURR	64	%	30-130
JD25514-7	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	82	%	30-130
JD25514-7	4165-60-0	Nitrobenzene-d5	SAMP	SURR	70	%	30-130
JD25514-7	321-60-8	2-Fluorobiphenyl	SAMP	SURR	77	%	30-130
JD25514-7	1718-51-0	Terphenyl-d14	SAMP	SURR	75	%	30-130
JD25514-8	367-12-4	2-Fluorophenol	SAMP	SURR	43	%	30-130
JD25514-8	4165-62-2	Phenol-d5	SAMP	SURR	46	%	30-130
JD25514-8	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	60	%	30-130
JD25514-8	4165-60-0	Nitrobenzene-d5	SAMP	SURR	49	%	30-130
JD25514-8	321-60-8	2-Fluorobiphenyl	SAMP	SURR	56	%	30-130
JD25514-8	1718-51-0	Terphenyl-d14	SAMP	SURR	57	%	30-130
JD25514-9	367-12-4	2-Fluorophenol	SAMP	SURR	37	%	30-130
JD25514-9	4165-62-2	Phenol-d5	SAMP	SURR	43	%	30-130
JD25514-9	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	58	%	30-130
JD25514-9	4165-60-0	Nitrobenzene-d5	SAMP	SURR	52	%	30-130
JD25514-9	321-60-8	2-Fluorobiphenyl	SAMP	SURR	57	%	30-130
JD25514-9	1718-51-0	Terphenyl-d14	SAMP	SURR	57	%	30-130

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
JD25514-10	367-12-4	2-Fluorophenol	SAMP	SURR	52	%	30-130
JD25514-10	4165-62-2	Phenol-d5	SAMP	SURR	58	%	30-130
JD25514-10	118-79-6	2,4,6-Tribromophenol	SAMP	SURR	73	%	30-130
JD25514-10	4165-60-0	Nitrobenzene-d5	SAMP	SURR	63	%	30-130
JD25514-10	321-60-8	2-Fluorobiphenyl	SAMP	SURR	69	%	30-130
JD25514-10	1718-51-0	Terphenyl-d14	SAMP	SURR	67	%	30-130
OP33460	SW846 8151A						
OP33460-BS1	94-75-7	2,4-D	BSP	REC	67	%	40-140
OP33460-BS1	93-72-1	2,4,5-TP (Silvex)	BSP	REC	59	%	40-140
OP33460-BS1	93-76-5	2,4,5-T	BSP	REC	53	%	40-140
OP33460-BS1	75-99-0	Dalapon	BSP	REC	50	%	40-140
OP33460-BS1	1918-00-9	Dicamba	BSP	REC	69	%	40-140
OP33460-BS1	19719-28-9	2,4-DCAA (sig#1)	BSP	SURR	68	%	30-150
OP33460-BS1	19719-28-9	2,4-DCAA (sig#2)	BSP	SURR	82	%	30-150
OP33460-MB1	19719-28-9	2,4-DCAA (sig#1)	MB	SURR	69	%	30-150
OP33460-MB1	19719-28-9	2,4-DCAA (sig#2)	MB	SURR	119	%	30-150
JD25514-7	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	52	%	30-150
JD25514-7	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	63	%	30-150
JD25514-8	19719-28-9	2,4-DCAA (sig#1)	SAMP	SURR	48	%	30-150
JD25514-8	19719-28-9	2,4-DCAA (sig#2)	SAMP	SURR	102	%	30-150
OP33490	SW846 8081B						
OP33490-BS1	309-00-2	Aldrin	BSP	REC	121	%	40-140
OP33490-BS1	15972-60-8	Alachlor	BSP	REC	101	%	40-140
OP33490-BS1	319-84-6	alpha-BHC	BSP	REC	93	%	40-140
OP33490-BS1	319-85-7	beta-BHC	BSP	REC	94	%	40-140
OP33490-BS1	319-86-8	delta-BHC	BSP	REC	91	%	40-140
OP33490-BS1	58-89-9	gamma-BHC (Lindane)	BSP	REC	93	%	40-140
OP33490-BS1	60-57-1	Dieldrin	BSP	REC	96 [a]	%	40-140
OP33490-BS1	72-54-8	4,4'-DDD	BSP	REC	94	%	40-140
OP33490-BS1	72-55-9	4,4'-DDE	BSP	REC	99	%	40-140
OP33490-BS1	50-29-3	4,4'-DDT	BSP	REC	110	%	40-140
OP33490-BS1	72-20-8	Endrin	BSP	REC	121	%	40-140
OP33490-BS1	1031-07-8	Endosulfan sulfate	BSP	REC	101	%	40-140
OP33490-BS1	7421-93-4	Endrin aldehyde	BSP	REC	107	%	40-140
OP33490-BS1	959-98-8	Endosulfan-I	BSP	REC	101	%	40-140
OP33490-BS1	33213-65-9	Endosulfan-II	BSP	REC	103	%	40-140
OP33490-BS1	76-44-8	Heptachlor	BSP	REC	98	%	40-140
OP33490-BS1	1024-57-3	Heptachlor epoxide	BSP	REC	103	%	40-140
OP33490-BS1	72-43-5	Methoxychlor	BSP	REC	109	%	40-140
OP33490-BS1	53494-70-5	Endrin ketone	BSP	REC	116	%	40-140
OP33490-BS1	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR	83	%	30-150

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP33490-BS1	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR	54	%	30-150
OP33490-BS1	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR	97	%	30-150
OP33490-BS1	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR	96	%	30-150
OP33490-MS	309-00-2	Aldrin	MS	REC	79	%	30-150
OP33490-MS	15972-60-8	Alachlor	MS	REC	69	%	30-150
OP33490-MS	319-84-6	alpha-BHC	MS	REC	74	%	30-150
OP33490-MS	319-85-7	beta-BHC	MS	REC	77	%	30-150
OP33490-MS	319-86-8	delta-BHC	MS	REC	77	%	30-150
OP33490-MS	58-89-9	gamma-BHC (Lindane)	MS	REC	74	%	30-150
OP33490-MS	60-57-1	Dieldrin	MS	REC	84	%	30-150
OP33490-MS	72-54-8	4,4'-DDD	MS	REC	77	%	30-150
OP33490-MS	72-55-9	4,4'-DDE	MS	REC	82	%	30-150
OP33490-MS	50-29-3	4,4'-DDT	MS	REC	83	%	30-150
OP33490-MS	72-20-8	Endrin	MS	REC	75	%	30-150
OP33490-MS	1031-07-8	Endosulfan sulfate	MS	REC	71	%	30-150
OP33490-MS	7421-93-4	Endrin aldehyde	MS	REC	74	%	30-150
OP33490-MS	959-98-8	Endosulfan-I	MS	REC	76	%	30-150
OP33490-MS	33213-65-9	Endosulfan-II	MS	REC	75	%	30-150
OP33490-MS	76-44-8	Heptachlor	MS	REC	78	%	30-150
OP33490-MS	1024-57-3	Heptachlor epoxide	MS	REC	76	%	30-150
OP33490-MS	72-43-5	Methoxychlor	MS	REC	75	%	30-150
OP33490-MS	53494-70-5	Endrin ketone	MS	REC	80	%	30-150
OP33490-MS	877-09-8	Tetrachloro-m-xylene (sig#1)	MS	SURR	66	%	30-150
OP33490-MS	877-09-8	Tetrachloro-m-xylene (sig#2)	MS	SURR	67	%	30-150
OP33490-MS	2051-24-3	Decachlorobiphenyl (sig#1)	MS	SURR	72	%	30-150
OP33490-MS	2051-24-3	Decachlorobiphenyl (sig#2)	MS	SURR	67	%	30-150
OP33490-MSD	309-00-2	Aldrin	MSD	REC	112	%	30-150
OP33490-MSD	309-00-2	Aldrin	MSD	RPD	38 [b]	%	30
OP33490-MSD	15972-60-8	Alachlor	MSD	REC	98	%	30-150
OP33490-MSD	15972-60-8	Alachlor	MSD	RPD	39 [b]	%	30
OP33490-MSD	319-84-6	alpha-BHC	MSD	REC	104	%	30-150
OP33490-MSD	319-84-6	alpha-BHC	MSD	RPD	37 [b]	%	30
OP33490-MSD	319-85-7	beta-BHC	MSD	REC	113	%	30-150
OP33490-MSD	319-85-7	beta-BHC	MSD	RPD	41 [b]	%	30
OP33490-MSD	319-86-8	delta-BHC	MSD	REC	99	%	30-150
OP33490-MSD	319-86-8	delta-BHC	MSD	RPD	28	%	30
OP33490-MSD	58-89-9	gamma-BHC (Lindane)	MSD	REC	105	%	30-150
OP33490-MSD	58-89-9	gamma-BHC (Lindane)	MSD	RPD	38 [b]	%	30
OP33490-MSD	12789-03-6	Chlordane	MSD	RPD	0	%	30
OP33490-MSD	60-57-1	Dieldrin	MSD	REC	120	%	30-150
OP33490-MSD	60-57-1	Dieldrin	MSD	RPD	40 [b]	%	30
OP33490-MSD	72-54-8	4,4'-DDD	MSD	REC	104	%	30-150
OP33490-MSD	72-54-8	4,4'-DDD	MSD	RPD	34 [b]	%	30
OP33490-MSD	72-55-9	4,4'-DDE	MSD	REC	112	%	30-150
OP33490-MSD	72-55-9	4,4'-DDE	MSD	RPD	35 [b]	%	30

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP33490-MSD	50-29-3	4,4'-DDT	MSD	REC	112	%	30-150
OP33490-MSD	50-29-3	4,4'-DDT	MSD	RPD	34 [b]	%	30
OP33490-MSD	72-20-8	Endrin	MSD	REC	105	%	30-150
OP33490-MSD	72-20-8	Endrin	MSD	RPD	36 [b]	%	30
OP33490-MSD	1031-07-8	Endosulfan sulfate	MSD	REC	97	%	30-150
OP33490-MSD	1031-07-8	Endosulfan sulfate	MSD	RPD	35 [b]	%	30
OP33490-MSD	7421-93-4	Endrin aldehyde	MSD	REC	103	%	30-150
OP33490-MSD	7421-93-4	Endrin aldehyde	MSD	RPD	36 [b]	%	30
OP33490-MSD	959-98-8	Endosulfan-I	MSD	REC	109	%	30-150
OP33490-MSD	959-98-8	Endosulfan-I	MSD	RPD	39 [b]	%	30
OP33490-MSD	33213-65-9	Endosulfan-II	MSD	REC	103	%	30-150
OP33490-MSD	33213-65-9	Endosulfan-II	MSD	RPD	35 [b]	%	30
OP33490-MSD	76-44-8	Heptachlor	MSD	REC	109	%	30-150
OP33490-MSD	76-44-8	Heptachlor	MSD	RPD	37 [b]	%	30
OP33490-MSD	1024-57-3	Heptachlor epoxide	MSD	REC	108	%	30-150
OP33490-MSD	1024-57-3	Heptachlor epoxide	MSD	RPD	38 [b]	%	30
OP33490-MSD	72-43-5	Methoxychlor	MSD	REC	101	%	30-150
OP33490-MSD	72-43-5	Methoxychlor	MSD	RPD	33 [b]	%	30
OP33490-MSD	53494-70-5	Endrin ketone	MSD	REC	109	%	30-150
OP33490-MSD	53494-70-5	Endrin ketone	MSD	RPD	34 [b]	%	30
OP33490-MSD	8001-35-2	Toxaphene	MSD	RPD	0	%	30
OP33490-MSD	877-09-8	Tetrachloro-m-xylene (sig#1)	MSD	SURR	76	%	30-150
OP33490-MSD	877-09-8	Tetrachloro-m-xylene (sig#2)	MSD	SURR	71	%	30-150
OP33490-MSD	2051-24-3	Decachlorobiphenyl (sig#1)	MSD	SURR	88	%	30-150
OP33490-MSD	2051-24-3	Decachlorobiphenyl (sig#2)	MSD	SURR	69	%	30-150
OP33490-MB1	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	69	%	30-150
OP33490-MB1	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	74	%	30-150
OP33490-MB1	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	71	%	30-150
OP33490-MB1	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	62	%	30-150
OP33490-MB1	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	85	%	30-150
OP33490-MB1	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	76	%	30-150
OP33490-MB1	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	82	%	30-150
OP33490-MB1	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	68	%	30-150
JD25514-4	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	80	%	30-150
JD25514-4	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	80	%	30-150
JD25514-4	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	89	%	30-150
JD25514-4	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	97	%	30-150
JD25514-5	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	68	%	30-150
JD25514-5	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	69	%	30-150
JD25514-5	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	73	%	30-150
JD25514-5	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	61	%	30-150
JD25514-7	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	79	%	30-150
JD25514-7	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	83	%	30-150
JD25514-7	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	91	%	30-150
JD25514-7	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	124	%	30-150

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
JD25514-8	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	75	%	30-150
JD25514-8	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	87	%	30-150
JD25514-8	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	86	%	30-150
JD25514-8	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	107	%	30-150
JD25514-10	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	63	%	30-150
JD25514-10	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	65	%	30-150
JD25514-10	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	68	%	30-150
JD25514-10	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	63	%	30-150
OP33491	SW846 8082A						
OP33491-BS1	12674-11-2	Aroclor 1016	BSP	REC	125	%	40-140
OP33491-BS1	11096-82-5	Aroclor 1260	BSP	REC	121	%	40-140
OP33491-BS1	877-09-8	Tetrachloro-m-xylene (sig#1)	BSP	SURR	80	%	30-150
OP33491-BS1	877-09-8	Tetrachloro-m-xylene (sig#2)	BSP	SURR	86	%	30-150
OP33491-BS1	2051-24-3	Decachlorobiphenyl (sig#1)	BSP	SURR	97	%	30-150
OP33491-BS1	2051-24-3	Decachlorobiphenyl (sig#2)	BSP	SURR	103	%	30-150
OP33491-MS	12674-11-2	Aroclor 1016	MS	REC	100	%	40-140
OP33491-MS	11096-82-5	Aroclor 1260	MS	REC	124	%	40-140
OP33491-MS	877-09-8	Tetrachloro-m-xylene (sig#1)	MS	SURR	82	%	30-150
OP33491-MS	877-09-8	Tetrachloro-m-xylene (sig#2)	MS	SURR	95	%	30-150
OP33491-MS	2051-24-3	Decachlorobiphenyl (sig#1)	MS	SURR	94	%	30-150
OP33491-MS	2051-24-3	Decachlorobiphenyl (sig#2)	MS	SURR	100	%	30-150
OP33491-MSD	12674-11-2	Aroclor 1016	MSD	REC	97	%	40-140
OP33491-MSD	12674-11-2	Aroclor 1016	MSD	RPD	7	%	50
OP33491-MSD	11104-28-2	Aroclor 1221	MSD	RPD	0	%	50
OP33491-MSD	11141-16-5	Aroclor 1232	MSD	RPD	0	%	50
OP33491-MSD	53469-21-9	Aroclor 1242	MSD	RPD	0	%	50
OP33491-MSD	12672-29-6	Aroclor 1248	MSD	RPD	0	%	50
OP33491-MSD	11097-69-1	Aroclor 1254	MSD	RPD	0	%	50
OP33491-MSD	11096-82-5	Aroclor 1260	MSD	REC	122	%	40-140
OP33491-MSD	11096-82-5	Aroclor 1260	MSD	RPD	9	%	50
OP33491-MSD	11100-14-4	Aroclor 1268	MSD	RPD	0	%	50
OP33491-MSD	37324-23-5	Aroclor 1262	MSD	RPD	0	%	50
OP33491-MSD	877-09-8	Tetrachloro-m-xylene (sig#1)	MSD	SURR	77	%	30-150
OP33491-MSD	877-09-8	Tetrachloro-m-xylene (sig#2)	MSD	SURR	91	%	30-150
OP33491-MSD	2051-24-3	Decachlorobiphenyl (sig#1)	MSD	SURR	93	%	30-150
OP33491-MSD	2051-24-3	Decachlorobiphenyl (sig#2)	MSD	SURR	100	%	30-150
OP33491-MB1	877-09-8	Tetrachloro-m-xylene (sig#1)	MB	SURR	77	%	30-150
OP33491-MB1	877-09-8	Tetrachloro-m-xylene (sig#2)	MB	SURR	89	%	30-150
OP33491-MB1	2051-24-3	Decachlorobiphenyl (sig#1)	MB	SURR	91	%	30-150
OP33491-MB1	2051-24-3	Decachlorobiphenyl (sig#2)	MB	SURR	97	%	30-150
JD25514-1	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	92	%	30-150
JD25514-1	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	102	%	30-150
JD25514-1	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	106	%	30-150

* Sample used for QC is not from job JD25514

QC Evaluation: CT RCP Limits

Job Number: JD25514
Account: Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT
Collected: 05/24/21

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
JD25514-1	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	118	%	30-150
JD25514-2	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	84	%	30-150
JD25514-2	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	91	%	30-150
JD25514-2	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	101	%	30-150
JD25514-2	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	101	%	30-150
JD25514-3	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	80	%	30-150
JD25514-3	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	91	%	30-150
JD25514-3	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	93	%	30-150
JD25514-3	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	97	%	30-150
JD25514-4	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	83	%	30-150
JD25514-4	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	91	%	30-150
JD25514-4	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	94	%	30-150
JD25514-4	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	103	%	30-150
JD25514-6	877-09-8	Tetrachloro-m-xylene (sig#1)	SAMP	SURR	87	%	30-150
JD25514-6	877-09-8	Tetrachloro-m-xylene (sig#2)	SAMP	SURR	95	%	30-150
JD25514-6	2051-24-3	Decachlorobiphenyl (sig#1)	SAMP	SURR	100	%	30-150
JD25514-6	2051-24-3	Decachlorobiphenyl (sig#2)	SAMP	SURR	105	%	30-150

(a) Reported from 2nd signal due to interference. 1st signal used for confirmation.
(b) Outside program requirements.

* Sample used for QC is not from job JD25514

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C7784-MB	1C178349.D	1	05/25/21	PS	n/a	n/a	V1C7784

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/kg	
107-13-1	Acrylonitrile	ND	10	ug/kg	
71-43-2	Benzene	ND	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	ug/kg	
74-83-9	Bromomethane	ND	5.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	ug/kg	
104-51-8	n-Butylbenzene	ND	2.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	ug/kg	
67-66-3	Chloroform	ND	2.0	ug/kg	
74-87-3	Chloromethane	ND	5.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	5.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2.0	ug/kg	

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C7784-MB	1C178349.D	1	05/25/21	PS	n/a	n/a	V1C7784

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Result	RL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	ug/kg	
76-13-1	Freon 113	ND	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/kg	
591-78-6	2-Hexanone	ND	5.0	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	ug/kg	
75-09-2	Methylene chloride	ND	5.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	ug/kg	
103-65-1	n-Propylbenzene	ND	2.0	ug/kg	
100-42-5	Styrene	ND	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	ug/kg	
109-99-9	Tetrahydrofuran	ND	10	ug/kg	
108-88-3	Toluene	ND	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/kg	
79-01-6	Trichloroethene	ND	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	ug/kg	
	m,p-Xylene	ND	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.0	ug/kg	

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C7784-MB	1C178349.D	1	05/25/21	PS	n/a	n/a	V1C7784

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	72-130%
17060-07-0	1,2-Dichloroethane-D4	95%	75-131%
2037-26-5	Toluene-D8	107%	81-121%
460-00-4	4-Bromofluorobenzene	97%	60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C7784-BS	1C178347.D	1	05/25/21	PS	n/a	n/a	V1C7784

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	185	93	67-130
107-13-1	Acrylonitrile	50	53.2	106	69-135
71-43-2	Benzene	50	47.5	95	80-115
108-86-1	Bromobenzene	50	50.7	101	80-116
75-27-4	Bromodichloromethane	50	50.1	100	83-121
75-25-2	Bromoform	50	59.6	119	80-141
74-83-9	Bromomethane	50	42.0	84	56-146
78-93-3	2-Butanone (MEK)	200	214	107	72-134
104-51-8	n-Butylbenzene	50	48.5	97	73-124
135-98-8	sec-Butylbenzene	50	47.1	94	73-121
98-06-6	tert-Butylbenzene	50	49.7	99	74-122
75-15-0	Carbon disulfide	50	42.1	84	65-125
56-23-5	Carbon tetrachloride	50	44.8	90	75-126
108-90-7	Chlorobenzene	50	50.3	101	81-115
75-00-3	Chloroethane	50	46.6	93	72-133
67-66-3	Chloroform	50	46.0	92	75-114
74-87-3	Chloromethane	50	42.7	85	57-135
95-49-8	o-Chlorotoluene	50	48.6	97	78-117
106-43-4	p-Chlorotoluene	50	47.9	96	77-114
96-12-8	1,2-Dibromo-3-chloropropane	50	51.7	103	72-129
124-48-1	Dibromochloromethane	50	58.8	118	82-133
106-93-4	1,2-Dibromoethane	50	52.3	105	81-126
95-50-1	1,2-Dichlorobenzene	50	51.2	102	83-114
541-73-1	1,3-Dichlorobenzene	50	48.3	97	81-112
106-46-7	1,4-Dichlorobenzene	50	47.6	95	79-113
110-57-6	Trans-1,4-Dichloro-2-Butene	50	57.0	114	70-132
75-71-8	Dichlorodifluoromethane	50	38.8	78	50-150
75-34-3	1,1-Dichloroethane	50	48.9	98	75-120
107-06-2	1,2-Dichloroethane	50	48.0	96	72-117
75-35-4	1,1-Dichloroethene	50	42.1	84	69-124
156-59-2	cis-1,2-Dichloroethene	50	46.4	93	73-119
156-60-5	trans-1,2-Dichloroethene	50	43.4	87	70-123
78-87-5	1,2-Dichloropropane	50	52.4	105	80-118
142-28-9	1,3-Dichloropropane	50	57.5	115	81-116
594-20-7	2,2-Dichloropropane	50	44.4	89	74-126
563-58-6	1,1-Dichloropropene	50	48.0	96	75-119

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C7784-BS	1C178347.D	1	05/25/21	PS	n/a	n/a	V1C7784

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	52.5	105	83-121
10061-02-6	trans-1,3-Dichloropropene	50	58.2	116	83-125
100-41-4	Ethylbenzene	50	48.1	96	80-114
76-13-1	Freon 113	50	44.4	89	69-130
87-68-3	Hexachlorobutadiene	50	45.8	92	71-125
591-78-6	2-Hexanone	200	234	117	77-126
98-82-8	Isopropylbenzene	50	46.2	92	76-121
99-87-6	p-Isopropyltoluene	50	47.8	96	74-122
1634-04-4	Methyl Tert Butyl Ether	50	50.7	101	76-127
108-10-1	4-Methyl-2-pentanone(MIBK)	200	216	108	75-129
74-95-3	Methylene bromide	50	51.2	102	83-119
75-09-2	Methylene chloride	50	49.1	98	71-120
91-20-3	Naphthalene	50	45.2	90	73-131
103-65-1	n-Propylbenzene	50	46.6	93	74-116
100-42-5	Styrene	50	48.1	96	83-118
630-20-6	1,1,1,2-Tetrachloroethane	50	52.9	106	82-128
79-34-5	1,1,2,2-Tetrachloroethane	50	54.7	109	76-120
127-18-4	Tetrachloroethene	50	51.0	102	75-125
109-99-9	Tetrahydrofuran	50	52.5	105	64-127
108-88-3	Toluene	50	51.0	102	79-115
87-61-6	1,2,3-Trichlorobenzene	50	47.7	95	75-131
120-82-1	1,2,4-Trichlorobenzene	50	48.8	98	76-130
71-55-6	1,1,1-Trichloroethane	50	44.7	89	77-122
79-00-5	1,1,2-Trichloroethane	50	59.1	118	82-119
79-01-6	Trichloroethene	50	51.9	104	82-119
75-69-4	Trichlorofluoromethane	50	40.4	81	70-134
96-18-4	1,2,3-Trichloropropane	50	53.8	108	80-118
95-63-6	1,2,4-Trimethylbenzene	50	48.2	96	77-116
108-67-8	1,3,5-Trimethylbenzene	50	47.8	96	76-118
75-01-4	Vinyl chloride	50	40.8	82	60-139
	m,p-Xylene	100	96.0	96	81-115
95-47-6	o-Xylene	50	49.6	99	82-117

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C7784-BS	1C178347.D	1	05/25/21	PS	n/a	n/a	V1C7784

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	72-130%
17060-07-0	1,2-Dichloroethane-D4	100%	75-131%
2037-26-5	Toluene-D8	108%	81-121%
460-00-4	4-Bromofluorobenzene	102%	60-141%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Check Std:	V1C7784-CC7702	**Injection Date:**	05/25/21
Lab File ID:	1C178345.D	**Injection Time:**	10:29
Instrument ID:	GCMS1C	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	98811	7.25	334273	9.48	480086	10.40	378231	13.55	175057	15.87
Upper Limit [a]	197622	7.75	668546	9.98	960172	10.90	756462	14.05	350114	16.37
Lower Limit [b]	49406	6.75	167137	8.98	240043	9.90	189116	13.05	87529	15.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V1C7784-BS	99850	7.24	333155	9.48	477143	10.40	376971	13.55	175935	15.87
V1C7784-MB	79765	7.24	347758	9.48	468614	10.40	387264	13.55	184602	15.87
JD25410-1	95050	7.24	344288	9.48	465815	10.40	393083	13.55	185684	15.87
JD25410-2	91891	7.24	338460	9.49	459966	10.40	387951	13.55	186926	15.87
ZZZZZZ	92036	7.24	333983	9.48	458670	10.40	388818	13.55	187683	15.87
ZZZZZZ	90166	7.24	327698	9.48	446505	10.40	382912	13.55	184332	15.87
ZZZZZZ	87011	7.24	324800	9.49	446831	10.40	378467	13.55	181478	15.87
ZZZZZZ	87165	7.24	326381	9.49	448723	10.40	383499	13.55	184716	15.87
ZZZZZZ	79768	7.24	323715	9.48	446332	10.40	384969	13.55	184875	15.87
ZZZZZZ	88571	7.24	322205	9.48	448112	10.40	382222	13.55	184703	15.87
JD25410-1MS	81234	7.24	311041	9.48	451309	10.40	367838	13.55	173873	15.87
JD25410-2DUP	89892	7.24	319790	9.49	441560	10.40	379611	13.55	184607	15.87
JD25514-4	114170	7.24	318985	9.49	449042	10.40	385702	13.55	188626	15.87
JD25514-5	84078	7.24	317358	9.48	443012	10.40	382748	13.55	187321	15.87
JD25514-6	90265	7.24	316976	9.48	442316	10.40	382991	13.55	185879	15.87
JD25514-7	97462	7.24	307438	9.49	433094	10.40	377770	13.55	184449	15.87
JD25514-8	85497	7.24	305471	9.49	424845	10.40	359554	13.55	166122	15.87
JD25514-9	90810	7.24	308772	9.48	434977	10.40	375751	13.55	181537	15.87
JD25514-10	94491	7.24	308186	9.48	432809	10.40	378040	13.55	185210	15.87

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Method: SW846 8260D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD25514-4	1C178361.D	104	106	105	98
JD25514-5	1C178362.D	102	100	105	97
JD25514-6	1C178363.D	104	100	105	96
JD25514-7	1C178364.D	105	103	104	97
JD25514-8	1C178365.D	102	100	107	99
JD25514-9	1C178366.D	104	100	105	97
JD25514-10	1C178367.D	104	102	105	96
V1C7784-BS	1C178347.D	101	100	108	102
V1C7784-MB	1C178349.D	96	95	107	97

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	72-130%
S2 = 1,2-Dichloroethane-D4	75-131%
S3 = Toluene-D8	81-121%
S4 = 4-Bromofluorobenzene	60-141%

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33486-MB1	M173074.D	1	05/27/21	CS	05/27/21	OP33486	EM7415

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	33	ug/kg	
208-96-8	Acenaphthylene	ND	33	ug/kg	
120-12-7	Anthracene	ND	33	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	ug/kg	
218-01-9	Chrysene	ND	33	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	ug/kg	
206-44-0	Fluoranthene	ND	33	ug/kg	
86-73-7	Fluorene	ND	33	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	ug/kg	
91-20-3	Naphthalene	ND	33	ug/kg	
85-01-8	Phenanthrene	ND	33	ug/kg	
129-00-0	Pyrene	ND	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	74%	7-101%
4165-62-2	Phenol-d5	79%	12-101%
118-79-6	2,4,6-Tribromophenol	97%	10-127%
4165-60-0	Nitrobenzene-d5	84%	15-114%
321-60-8	2-Fluorobiphenyl	89%	22-104%
1718-51-0	Terphenyl-d14	92%	23-121%

Blank Spike Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33486-BS1	M173075.D	1	05/27/21	CS	05/27/21	OP33486	EM7415

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	1670	1450	87	24-129
208-96-8	Acenaphthylene	1670	1290	77	25-130
120-12-7	Anthracene	1670	1470	88	28-131
56-55-3	Benzo(a)anthracene	1670	1500	90	30-130
50-32-8	Benzo(a)pyrene	1670	1460	88	27-139
205-99-2	Benzo(b)fluoranthene	1670	1520	91	32-133
191-24-2	Benzo(g,h,i)perylene	1670	1390	83	24-141
207-08-9	Benzo(k)fluoranthene	1670	1270	76	26-135
218-01-9	Chrysene	1670	1480	89	29-127
53-70-3	Dibenzo(a,h)anthracene	1670	1440	86	24-135
206-44-0	Fluoranthene	1670	1430	86	31-134
86-73-7	Fluorene	1670	1370	82	26-136
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1470	88	26-137
91-20-3	Naphthalene	1670	1400	84	26-127
85-01-8	Phenanthrene	1670	1440	86	26-131
129-00-0	Pyrene	1670	1540	92	30-131

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	91%	7-101%
4165-62-2	Phenol-d5	83%	12-101%
118-79-6	2,4,6-Tribromophenol	94%	10-127%
4165-60-0	Nitrobenzene-d5	83%	15-114%
321-60-8	2-Fluorobiphenyl	79%	22-104%
1718-51-0	Terphenyl-d14	98%	23-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33486-MS	M173090.D	1	05/28/21	CS	05/27/21	OP33486	EM7415
OP33486-MSD	M173091.D	1	05/28/21	CS	05/27/21	OP33486	EM7415
JD25514-4	M173092.D	1	05/28/21	CS	05/27/21	OP33486	EM7415

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	JD25514-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		1830	1360	74	1800	1310	73	4	10-145/63
208-96-8	Acenaphthylene	25.1		1830	1220	65	1800	1170	63	4	10-144/59
120-12-7	Anthracene	ND		1830	1470	80	1800	1380	76	6	10-153/66
56-55-3	Benzo(a)anthracene	73.7		1830	1470	76	1800	1380	72	6	10-157/71
50-32-8	Benzo(a)pyrene	67.8		1830	1430	74	1800	1320	69	8	10-164/67
205-99-2	Benzo(b)fluoranthene	109		1830	1520	77	1800	1450	74	5	10-154/69
191-24-2	Benzo(g,h,i)perylene	59.9		1830	1370	71	1800	1260	66	8	10-156/64
207-08-9	Benzo(k)fluoranthene	33.3		1830	1340	71	1800	1260	68	6	10-156/62
218-01-9	Chrysene	94.6		1830	1540	79	1800	1420	73	8	10-148/70
53-70-3	Dibenzo(a,h)anthracene	ND		1830	1440	79	1800	1320	73	9	10-146/63
206-44-0	Fluoranthene	137		1830	1420	70	1800	1320	66	7	10-171/80
86-73-7	Fluorene	ND		1830	1310	71	1800	1250	69	5	10-148/65
193-39-5	Indeno(1,2,3-cd)pyrene	62.0		1830	1440	75	1800	1320	70	9	10-152/65
91-20-3	Naphthalene	ND		1830	1270	69	1800	1210	67	5	10-147/64
85-01-8	Phenanthrene	131		1830	1460	72	1800	1390	70	5	10-162/81
129-00-0	Pyrene	277		1830	1720	79	1800	1610	74	7	10-166/77

CAS No.	Surrogate Recoveries	MS	MSD	JD25514-4	Limits
367-12-4	2-Fluorophenol	75%	66%	54%	7-101%
4165-62-2	Phenol-d5	70%	73%	55%	12-101%
118-79-6	2,4,6-Tribromophenol	85%	85%	74%	10-127%
4165-60-0	Nitrobenzene-d5	72%	72%	63%	15-114%
321-60-8	2-Fluorobiphenyl	68%	72%	67%	22-104%
1718-51-0	Terphenyl-d14	93%	92%	69%	23-121%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Check Std:	EM7415-CC7405	**Injection Date:**	05/27/21
Lab File ID:	M173072.D	**Injection Time:**	20:34
Instrument ID:	GCMSM	**Method:**	SW846 8270E

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	188435	3.68	631105	4.62	413790	6.44	795651	8.77	694536	13.74	713436	16.28
Upper Limit [a]	376870	4.18	1262210	5.12	827580	6.94	1591302	9.27	1389072	14.24	1426872	16.78
Lower Limit [b]	94218	3.18	315553	4.12	206895	5.94	397826	8.27	347268	13.24	356718	15.78

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP33486-MB1	239388	3.68	821750	4.61	450817	6.43	851744	8.76	729556	13.73	713687	16.28
OP33486-BS1	183128	3.68	605271	4.61	382614	6.43	722861	8.77	612848	13.73	608236	16.28
JD25514-5	244405	3.67	806819	4.61	448388	6.43	849746	8.76	734223	13.73	711537	16.28
JD25514-10	237540	3.67	827094	4.61	454334	6.43	867823	8.76	751265	13.73	729981	16.27
ZZZZZZ	246375	3.68	834589	4.61	460210	6.43	870111	8.76	770798	13.72	728871	16.28
ZZZZZZ	220787	3.68	770472	4.61	436415	6.43	826832	8.76	721342	13.72	689276	16.28
ZZZZZZ	236184	3.67	814614	4.61	458142	6.43	857597	8.76	736811	13.72	720031	16.27
ZZZZZZ	220630	3.68	752761	4.61	425185	6.43	807267	8.76	702785	13.72	680203	16.28
JD25514-6	226514	3.68	777764	4.61	436455	6.43	827269	8.76	685595	13.72	663129	16.28
JD25514-9	225500	3.67	780082	4.61	427986	6.43	813648	8.76	677609	13.73	647215	16.28
ZZZZZZ	214903	3.68	756292	4.61	423023	6.43	803229	8.76	670612	13.73	637658	16.28
ZZZZZZ	225745	3.67	756329	4.61	422379	6.43	796425	8.76	681580	13.72	658003	16.27
ZZZZZZ	214852	3.68	726548	4.61	405245	6.43	769637	8.76	653197	13.72	627206	16.28
ZZZZZZ	215302	3.67	750699	4.61	427893	6.43	777347	8.76	647758	13.72	614942	16.27
JD25514-7	250946	3.67	849866	4.61	453433	6.43	803751	8.76	583857	13.72	533870	16.28
JD25514-8	255261	3.67	862766	4.61	458081	6.43	823106	8.76	599001	13.73	558249	16.28
OP33486-MS	221416	3.68	702689	4.62	444377	6.44	810966	8.77	616788	13.74	586171	16.29
OP33486-MSD	227933	3.68	724841	4.61	451460	6.43	821563	8.76	615050	13.74	560337	16.28
JD25514-4	271037	3.67	903653	4.61	498038	6.43	888603	8.76	654440	13.73	579461	16.28

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD25514-4	M173092.D	54	55	74	63	67	69
JD25514-5	M173076.D	50	54	67	59	64	64
JD25514-6	M173082.D	43	45	58	52	57	57
JD25514-7	M173088.D	62	64	82	70	77	75
JD25514-8	M173089.D	43	46	60	49	56	57
JD25514-9	M173083.D	37	43	58	52	57	57
JD25514-10	M173077.D	52	58	73	63	69	67
OP33486-BS1	M173075.D	91	83	94	83	79	98
OP33486-MB1	M173074.D	74	79	97	84	89	92
OP33486-MS	M173090.D	75	70	85	72	68	93
OP33486-MSD	M173091.D	66	73	85	72	72	92

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	7-101%
S2 = Phenol-d5	12-101%
S3 = 2,4,6-Tribromophenol	10-127%
S4 = Nitrobenzene-d5	15-114%
S5 = 2-Fluorobiphenyl	22-104%
S6 = Terphenyl-d14	23-121%

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33509-MB1	8Y39439.D	1	05/28/21	CP	05/27/21	OP33509	G8Y1611

The QC reported here applies to the following samples: **Method:** CT-ETPH

JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	ND	6.7	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	76%	30-130%

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33509-MB1	8Z39448.D	1	05/28/21	CP	05/27/21	OP33509	G8Z1691

The QC reported here applies to the following samples: **Method:** CT-ETPH

JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Result	RL	Units	Q
	CT-DRO (C9-C36)	ND	6.7	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	30-130%

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33460-MB1	3G131790.D	1	05/27/21	CP	05/26/21	OP33460	G3G4781

The QC reported here applies to the following samples: **Method:** SW846 8151A

JD25514-7, JD25514-8

CAS No.	Compound	Result	RL	Units	Q
94-75-7	2,4-D	ND	17	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	ug/kg	
93-76-5	2,4,5-T	ND	3.3	ug/kg	
75-99-0	Dalapon	ND	3.3	ug/kg	
1918-00-9	Dicamba	ND	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	119%	10-132%
19719-28-9	2,4-DCAA	69%	10-132%

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33490-MB1	1G166712.D	1	06/01/21	KLS	05/27/21	OP33490	G1G5676

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD25514-4, JD25514-5, JD25514-7, JD25514-8, JD25514-10

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.67	ug/kg	
15972-60-8	Alachlor	ND	6.7	ug/kg	
319-84-6	alpha-BHC	ND	0.67	ug/kg	
319-85-7	beta-BHC	ND	0.67	ug/kg	
319-86-8	delta-BHC	ND	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	ug/kg	
12789-03-6	Chlordane	ND	33	ug/kg	
60-57-1	Dieldrin	ND	0.67	ug/kg	
72-54-8	4,4'-DDD	ND	0.67	ug/kg	
72-55-9	4,4'-DDE	ND	0.67	ug/kg	
50-29-3	4,4'-DDT	ND	0.67	ug/kg	
72-20-8	Endrin	ND	0.67	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	ug/kg	
76-44-8	Heptachlor	ND	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	ug/kg	
72-43-5	Methoxychlor	ND	1.3	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	ug/kg	
8001-35-2	Toxaphene	ND	17	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	74%	27-138%
877-09-8	Tetrachloro-m-xylene	71%	27-138%
2051-24-3	Decachlorobiphenyl	76%	10-179%
2051-24-3	Decachlorobiphenyl	68%	10-179%

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33490-MB1	8G38019.D	1	06/01/21	KLS	05/27/21	OP33490	G8G1593

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD25514-4, JD25514-5, JD25514-7, JD25514-8, JD25514-10

CAS No.	Compound	Result	RL	Units	Q
309-00-2	Aldrin	ND	0.67	ug/kg	
15972-60-8	Alachlor	ND	6.7	ug/kg	
319-84-6	alpha-BHC	ND	0.67	ug/kg	
319-85-7	beta-BHC	ND	0.67	ug/kg	
319-86-8	delta-BHC	ND	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	ug/kg	
12789-03-6	Chlordane	ND	33	ug/kg	
60-57-1	Dieldrin	ND	0.67	ug/kg	
72-54-8	4,4'-DDD	ND	0.67	ug/kg	
72-55-9	4,4'-DDE	ND	0.67	ug/kg	
50-29-3	4,4'-DDT	ND	0.67	ug/kg	
72-20-8	Endrin	ND	0.67	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	ug/kg	
76-44-8	Heptachlor	ND	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	ug/kg	
72-43-5	Methoxychlor	ND	1.3	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	ug/kg	
8001-35-2	Toxaphene	ND	17	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	69%	27-138%
877-09-8	Tetrachloro-m-xylene	62%	27-138%
2051-24-3	Decachlorobiphenyl	85%	10-179%
2051-24-3	Decachlorobiphenyl	82%	10-179%

Method Blank Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33491-MB1	5G107196.D	1	05/29/21	RK	05/27/21	OP33491	G5G2686

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-6

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	50	ug/kg	
11104-28-2	Aroclor 1221	ND	50	ug/kg	
11141-16-5	Aroclor 1232	ND	50	ug/kg	
53469-21-9	Aroclor 1242	ND	50	ug/kg	
12672-29-6	Aroclor 1248	ND	50	ug/kg	
11097-69-1	Aroclor 1254	ND	50	ug/kg	
11096-82-5	Aroclor 1260	ND	50	ug/kg	
11100-14-4	Aroclor 1268	ND	50	ug/kg	
37324-23-5	Aroclor 1262	ND	50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	77%	24-152%
877-09-8	Tetrachloro-m-xylene	89%	24-152%
2051-24-3	Decachlorobiphenyl	91%	10-172%
2051-24-3	Decachlorobiphenyl	97%	10-172%

Blank Spike Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33460-BS1	3G131844.D	1	05/29/21	RK	05/26/21	OP33460	G3G4783

The QC reported here applies to the following samples: **Method:** SW846 8151A

JD25514-7, JD25514-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
94-75-7	2,4-D	133	88.8	67	24-118
93-72-1	2,4,5-TP (Silvex)	26.7	15.6	59	40-118
93-76-5	2,4,5-T	26.7	14.2	53	24-123
75-99-0	Dalapon	26.7	13.4	50	10-97
1918-00-9	Dicamba	26.7	18.3	69	32-120

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	82%	10-132%
19719-28-9	2,4-DCAA	68%	10-132%

8.2.1
8

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33490-BS1	8G38018.D	1	06/01/21	KLS	05/27/21	OP33490	G8G1593

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD25514-4, JD25514-5, JD25514-7, JD25514-8, JD25514-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	16.7	20.1	121	40-150
15972-60-8	Alachlor	16.7	16.8	101	37-150
319-84-6	alpha-BHC	16.7	15.5	93	37-150
319-85-7	beta-BHC	16.7	15.7	94	43-144
319-86-8	delta-BHC	16.7	15.1	91	15-142
58-89-9	gamma-BHC (Lindane)	16.7	15.5	93	39-148
60-57-1	Dieldrin	16.7	16.0	96 [a]	39-150
72-54-8	4,4'-DDD	16.7	15.7	94	36-144
72-55-9	4,4'-DDE	16.7	16.5	99	35-146
50-29-3	4,4'-DDT	16.7	18.3	110	36-152
72-20-8	Endrin	16.7	20.2	121	39-152
1031-07-8	Endosulfan sulfate	16.7	16.9	101	35-145
7421-93-4	Endrin aldehyde	16.7	17.9	107	34-143
959-98-8	Endosulfan-I	16.7	16.9	101	39-147
33213-65-9	Endosulfan-II	16.7	17.2	103	39-144
76-44-8	Heptachlor	16.7	16.4	98	40-149
1024-57-3	Heptachlor epoxide	16.7	17.2	103	39-149
72-43-5	Methoxychlor	16.7	18.1	109	35-145
53494-70-5	Endrin ketone	16.7	19.3	116	35-153

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	83%	27-138%
877-09-8	Tetrachloro-m-xylene	54%	27-138%
2051-24-3	Decachlorobiphenyl	97%	10-179%
2051-24-3	Decachlorobiphenyl	96%	10-179%

(a) Reported from 2nd signal due to interference. 1st signal used for confirmation.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33491-BS1	5G107197.D	1	05/29/21	RK	05/27/21	OP33491	G5G2686

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	200	250	125	39-169
11104-28-2	Aroclor 1221		ND		50-150
11141-16-5	Aroclor 1232		ND		50-150
53469-21-9	Aroclor 1242		ND		50-150
12672-29-6	Aroclor 1248		ND		50-150
11097-69-1	Aroclor 1254		ND		50-150
11096-82-5	Aroclor 1260	200	242	121	41-171
11100-14-4	Aroclor 1268		ND		50-150
37324-23-5	Aroclor 1262		ND		50-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	80%	24-152%
877-09-8	Tetrachloro-m-xylene	86%	24-152%
2051-24-3	Decachlorobiphenyl	97%	10-172%
2051-24-3	Decachlorobiphenyl	103%	10-172%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33509-BS1	8Y39440.D	1	05/28/21	CP	05/27/21	OP33509	G8Y1611
OP33509-BSD	8Y39441.D	1	05/28/21	CP	05/27/21	OP33509	G8Y1611

The QC reported here applies to the following samples: **Method:** CT-ETPH

JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	CT-DRO (C9-C36)	53.3	39.7	74	37.1	70	7	32-122/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	71%	66%	30-130%

8.3.1
8

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33509-MS	8Y39443.D	1	05/28/21	CP	05/27/21	OP33509	G8Y1611
OP33509-MSD	8Y39444.D	1	05/28/21	CP	05/27/21	OP33509	G8Y1611
JD25514-1	8Y39442.D	1	05/28/21	CP	05/27/21	OP33509	G8Y1611

The QC reported here applies to the following samples: **Method:** CT-ETPH

JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-5, JD25514-6, JD25514-7, JD25514-8, JD25514-9, JD25514-10

CAS No.	Compound	JD25514-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	CT-DRO (C9-C36)	10.4		59.8	51.6	69	60.6	42.8	53	19	-5-148/93

CAS No.	Surrogate Recoveries	MS	MSD	JD25514-1	Limits
84-15-1	o-Terphenyl	71%	73%	65%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33490-MS	1G166716.D	1	06/01/21	KLS	05/27/21	OP33490	G1G5676
OP33490-MSD	1G166717.D	1	06/01/21	KLS	05/27/21	OP33490	G1G5676
JD25514-5	1G166714.D	1	06/01/21	KLS	05/27/21	OP33490	G1G5676

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD25514-4, JD25514-5, JD25514-7, JD25514-8, JD25514-10

CAS No.	Compound	JD25514-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		16	12.6	79	16.7	18.6	112	38 [a]	13-180/73
15972-60-8	Alachlor	ND		16	11.0	69	16.7	16.3	98	39 [a]	10-200/74
319-84-6	alpha-BHC	ND		16	11.9	74	16.7	17.3	104	37 [a]	16-173/64
319-85-7	beta-BHC	ND		16	12.4	77	16.7	18.8	113	41 [a]	10-186/86
319-86-8	delta-BHC	ND		16	12.4	77	16.7	16.5	99	28	10-161/78
58-89-9	gamma-BHC (Lindane)	ND		16	11.9	74	16.7	17.5	105	38 [a]	10-187/71
12789-03-6	Chlordane	ND			ND			ND		nc	30-150/30
60-57-1	Dieldrin	ND		16	13.4	84	16.7	20.0	120	40 [a]	10-187/64
72-54-8	4,4'-DDD	ND		16	12.3	77	16.7	17.4	104	34 [a]	10-182/69
72-55-9	4,4'-DDE	ND		16	13.1	82	16.7	18.7	112	35 [a]	10-185/68
50-29-3	4,4'-DDT	ND		16	13.3	83	16.7	18.7	112	34 [a]	10-200/76
72-20-8	Endrin	ND		16	12.1	75	16.7	17.5	105	36 [a]	10-193/73
1031-07-8	Endosulfan sulfate	ND		16	11.4	71	16.7	16.2	97	35 [a]	10-156/63
7421-93-4	Endrin aldehyde	ND		16	11.9	74	16.7	17.2	103	36 [a]	10-200/82
959-98-8	Endosulfan-I	ND		16	12.2	76	16.7	18.1	109	39 [a]	10-197/65
33213-65-9	Endosulfan-II	ND		16	12.1	75	16.7	17.2	103	35 [a]	8-169/60
76-44-8	Heptachlor	ND		16	12.5	78	16.7	18.2	109	37 [a]	10-187/65
1024-57-3	Heptachlor epoxide	ND		16	12.2	76	16.7	18.0	108	38 [a]	10-198/65
72-43-5	Methoxychlor	ND		16	12.1	75	16.7	16.9	101	33 [a]	10-200/80
53494-70-5	Endrin ketone	ND		16	12.9	80	16.7	18.2	109	34 [a]	10-200/66
8001-35-2	Toxaphene	ND			ND			ND		nc	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	JD25514-5	Limits
877-09-8	Tetrachloro-m-xylene	66%	76%	68%	27-138%
877-09-8	Tetrachloro-m-xylene	67%	71%	69%	27-138%
2051-24-3	Decachlorobiphenyl	72%	88%	73%	10-179%
2051-24-3	Decachlorobiphenyl	67%	69%	61%	10-179%

(a) Outside program requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD25514
Account: STANCTH Stantec
Project: Eversource, Blue Hills Avenue Ext, Windsor, CT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33491-MS	5G107199.D	1	05/29/21	RK	05/27/21	OP33491	G5G2686
OP33491-MSD	5G107200.D	1	05/29/21	RK	05/27/21	OP33491	G5G2686
JD25514-1	5G107198.D	1	05/29/21	RK	05/27/21	OP33491	G5G2686

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD25514-1, JD25514-2, JD25514-3, JD25514-4, JD25514-6

CAS No.	Compound	JD25514-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		208	208	100	231	223	97	7	14-200/59
11104-28-2	Aroclor 1221	ND			ND			ND		nc	50-150/30
11141-16-5	Aroclor 1232	ND			ND			ND		nc	50-150/30
53469-21-9	Aroclor 1242	ND			ND			ND		nc	50-150/11
12672-29-6	Aroclor 1248	ND			ND			ND		nc	50-150/25
11097-69-1	Aroclor 1254	ND			ND			ND		nc	50-150/37
11096-82-5	Aroclor 1260	ND		208	258	124	231	283	122	9	10-200/59
11100-14-4	Aroclor 1268	ND			ND			ND		nc	50-150/30
37324-23-5	Aroclor 1262	ND			ND			ND		nc	50-150/10

CAS No.	Surrogate Recoveries	MS	MSD	JD25514-1	Limits
877-09-8	Tetrachloro-m-xylene	82%	77%	92%	24-152%
877-09-8	Tetrachloro-m-xylene	95%	91%	102%	24-152%
2051-24-3	Decachlorobiphenyl	94%	93%	106%	10-172%
2051-24-3	Decachlorobiphenyl	100%	100%	118%	10-172%

* = Outside of Control Limits.