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SID TABLES CITED IN RESPONSE TO QUESTION 2

TABLE 4.2-37A: OFFICE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 2

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/L
Aluminum	7	4	57.14	4.74E-02	4.41E-02	3.82E-02	4.41E-02	7.31E-02	2.36E-02	6.14E-02	8.74E-02	Normal/Lognormal	7.31E-02
Barium	7	5	71.43	1.60E-02	3.08E-02	2.31E-02	2.00E-02	6.75E-02	2.54E-02	4.95E-02	9.28E-02	Normal/Lognormal	6.75E-02
Cobalt	7	1	14.29	6.50E-03	3.11E-03	2.91E-03	5.20E-03	6.50E-03	1.49E-03	4.21E-03	4.27E-03	Unknown	4.27E-03
Cyanide, Total	6	2	33.33	1.00E-03	8.17E-04	7.32E-04	1.20E-03	1.70E-03	4.70E-04	1.20E-03	1.44E-03	Normal/Lognormal	1.44E-03
Iron	7	3	42.86	9.07E-02	1.13E-01	3.89E-02	6.92E-02	3.20E-01	1.42E-01	2.18E-01	1.73E+01	Normal/Lognormal	3.20E-01
Manganese	7	7	100.00	7.50E-03	5.27E-01	1.50E-01	NA	1.41E+00	6.32E-01	9.91E-01	7.61E+02	Normal/Lognormal	1.41E+00
Thallium	7	1	14.29	2.40E-03	2.29E-03	2.21E-03	6.00E-03	2.40E-03	5.71E-04	2.70E-03	2.99E-03	Normal/Lognormal	2.40E-03
Vanadium	7	2	28.57	1.10E-02	7.15E-03	5.36E-03	2.06E-02	1.72E-02	5.76E-03	1.14E-02	2.19E-02	Normal/Lognormal	1.72E-02
Zinc	7	5	71.43	2.50E-03	4.79E-03	3.93E-03	8.90E-03	1.20E-02	3.51E-03	7.36E-03	1.06E-02	Normal/Lognormal	1.06E-02
Acetone	7	1	14.29	8.00E-03	4.40E-02	3.85E-02	1.00E-01	8.00E-03	1.59E-02	5.57E-02	1.11E-01	Unknown	8.00E-03
Tetrachloroethene	7	1	14.29	1.00E-03	2.29E-03	2.19E-03	5.00E-03	1.00E-03	5.67E-04	2.70E-03	3.18E-03	Unknown	1.00E-03
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	7	1	14.29	2.30E-03	1.03E-03	9.38E-04	1.80E-03	2.30E-03	5.73E-04	1.45E-03	1.53E-03	Unknown	1.53E-03

NA - Not Applicable

TABLE 4.2-37B: OFFICE WORKER EXPOSURE UNIT - SCREENING OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 2

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Tap Water Screening Criteria mg/L	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Aluminum	3.70E+00	no - qual. COPC		
Barium	2.60E-01	no - qual. COPC		
Cobalt	2.20E-01	no - qual. COPC		
Cyanide, Total	7.30E-02	no - qual. COPC		
Iron	1.10E+00	no - qual. COPC		
Manganese	8.40E-02	YES	no	YES - COPC
Thallium	2.60E-04	YES	no	YES - COPC
Vanadium	2.60E-02	no - qual. COPC		
Zinc	1.10E+00	no - qual. COPC		
Acetone	3.70E-01	no - qual. COPC		
Tetrachloroethene	1.10E-03	YES	no	no - qual. COPC

TABLE 4.2-39A: OFFICE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/L
Aluminum	3	3	100	8.41E-02	1.00E-01	9.93E-02	NA	1.13E-01	1.47E-02	1.25E-01	1.38E-01	Normal/Lognormal	1.13E-01
Arsenic	3	3	100	3.71E-02	3.78E-02	3.78E-02	NA	3.88E-02	8.74E-04	3.93E-02	3.94E-02	Normal/Lognormal	3.88E-02
Barium	3	3	100	4.20E-02	4.31E-02	4.31E-02	NA	4.40E-02	1.01E-03	4.48E-02	4.49E-02	Normal/Lognormal	4.40E-02
Cobalt	3	1	33.33	6.10E-03	3.70E-03	3.37E-03	5.00E-03	6.10E-03	2.08E-03	7.20E-03	4.39E-02	Unknown	6.10E-03
Iron	3	3	100	4.21E+01	4.39E+01	4.39E+01	NA	4.55E+01	1.72E+00	4.68E+01	4.72E+01	Normal/Lognormal	4.55E+01
Manganese	3	3	100	2.15E+00	2.27E+00	2.27E+00	NA	2.37E+00	1.12E-01	2.46E+00	2.49E+00	Normal/Lognormal	2.37E+00
Thallium	3	2	66.67	4.20E-03	3.93E-03	3.84E-03	5.60E-03	4.80E-03	1.03E-03	5.66E-03	8.70E-03	Normal/Lognormal	4.80E-03
Zinc	3	2	66.67	3.90E-03	3.93E-03	3.90E-03	6.60E-03	4.60E-03	6.51E-04	5.03E-03	5.67E-03	Normal/Lognormal	4.60E-03
2-Methylnaphthalene	8	5	62.5	2.50E-02	3.39E-02	2.01E-02	1.00E-02	7.30E-02	2.98E-02	5.38E-02	2.64E-01	Normal/Lognormal	7.30E-02
Acenaphthene	8	1	12.5	1.00E-03	4.50E-03	4.09E-03	1.00E-02	1.00E-03	1.41E-03	5.45E-03	8.19E-03	Unknown	1.00E-03
Bis(2-Ethylhexyl)phthalate	8	3	37.5	4.00E-03	4.63E-03	4.60E-03	1.00E-02	4.00E-03	5.18E-04	4.97E-03	5.02E-03	Unknown	4.00E-03
Dibenzofuran	8	5	62.5	1.00E-03	2.50E-03	1.83E-03	1.00E-02	1.00E-03	2.07E-03	3.89E-03	6.71E-03	Unknown	1.00E-03
Fluorene	8	2	25	1.00E-03	4.00E-03	3.34E-03	1.00E-02	1.00E-03	1.85E-03	5.24E-03	9.79E-03	Unknown	1.00E-03
Naphthalene	8	5	62.5	4.10E-02	5.41E-02	2.74E-02	1.00E-02	1.20E-01	4.92E-02	8.71E-02	1.03E+00	Normal/Lognormal	1.20E-01
Benzene	8	7	87.5	1.00E-03	3.06E-03	2.78E-03	5.00E-03	5.00E-03	1.27E-03	3.91E-03	4.96E-03	Normal/Lognormal	4.96E-03
Chloroform	8	1	12.5	2.00E-03	2.44E-03	2.43E-03	5.00E-03	2.00E-03	1.77E-04	2.56E-03	2.58E-03	Unknown	2.00E-03
Ethyl benzene	8	3	37.5	8.00E-03	4.81E-03	3.98E-03	5.00E-03	1.00E-02	3.25E-03	6.99E-03	9.26E-03	Unknown	9.26E-03
Total Xylenes	8	5	62.5	2.00E-03	8.06E-03	4.91E-03	5.00E-03	2.10E-02	8.10E-03	1.35E-02	3.62E-02	Unknown	2.10E-02
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	3	1	33.33	1.90E-03	1.25E-03	1.18E-03	1.90E-03	1.90E-03	5.63E-04	2.20E-03	6.34E-03	Normal/Lognormal	1.90E-03

NA - Not Applicable

TABLE 4.2-39B: OFFICE WORKER EXPOSURE UNIT - SCREENING OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Tap Water Screening Criteria mg/L	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Aluminum	3.70E+00	YES	no	no - qual. COPC
Arsenic	4.50E-05	YES	no	YES - COPC
Barium	2.60E-01	YES	no	no - qual. COPC
Cobalt	2.20E-01	no - qual. COPC		
Iron	1.10E+00	YES	no	YES - COPC
Manganese	8.40E-02	YES	no	YES - COPC
Thallium	2.60E-04	YES	no	YES - COPC
Zinc	1.10E+00	no - qual. COPC		
2-Methylnaphthalene	1.50E-01	no - qual. COPC		
Acenaphthene	2.20E-01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	3.40E-03	YES	no	YES - COPC
Dibenzofuran	2.40E-03	YES	no	no - qual. COPC
Fluorene	1.50E-01	no - qual. COPC		
Naphthalene	1.50E-01	no - qual. COPC		
Benzene	3.60E-04	YES	no	YES - COPC
Chloroform	1.50E-04	YES	no	YES - COPC
Ethyl benzene	1.30E-01	no - qual. COPC		
Total Xylenes	1.20E+00	no - qual. COPC		

TABLE 4.2-49A: CONSTRUCTION WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 2

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/L
Aluminum	7	4	57.14	4.74E-02	4.41E-02	3.82E-02	4.41E-02	7.31E-02	2.36E-02	6.14E-02	8.74E-02	Normal/Lognormal	7.31E-02
Barium	7	5	71.43	1.60E-02	3.08E-02	2.31E-02	2.00E-02	6.75E-02	2.54E-02	4.95E-02	9.28E-02	Normal/Lognormal	6.75E-02
Cobalt	7	1	14.29	6.50E-03	3.11E-03	2.91E-03	5.20E-03	6.50E-03	1.49E-03	4.21E-03	4.27E-03	Unknown	4.27E-03
Cyanide, Total	6	2	33.33	1.00E-03	8.17E-04	7.32E-04	1.20E-03	1.70E-03	4.70E-04	1.20E-03	1.44E-03	Normal/Lognormal	1.44E-03
Iron	7	3	42.86	9.07E-02	1.13E-01	3.89E-02	6.92E-02	3.20E-01	1.42E-01	2.18E-01	1.73E+01	Normal/Lognormal	3.20E-01
Manganese	7	7	100	7.50E-03	5.27E-01	1.50E-01	0.00E+00	1.41E+00	6.32E-01	9.91E-01	7.61E+02	Normal/Lognormal	1.41E+00
Thallium	7	1	14.29	2.40E-03	2.29E-03	2.21E-03	6.00E-03	2.40E-03	5.71E-04	2.70E-03	2.99E-03	Normal/Lognormal	2.40E-03
Vanadium	7	2	28.57	1.10E-02	7.15E-03	5.36E-03	2.06E-02	1.72E-02	5.76E-03	1.14E-02	2.19E-02	Normal/Lognormal	1.72E-02
Zinc	7	5	71.43	2.50E-03	4.79E-03	3.93E-03	8.90E-03	1.20E-02	3.51E-03	7.36E-03	1.06E-02	Normal/Lognormal	1.06E-02
Acetone	7	1	14.29	8.00E-03	4.40E-02	3.85E-02	1.00E-01	8.00E-03	1.59E-02	5.57E-02	1.11E-01	Unknown	8.00E-03
Tetrachloroethene	7	1	14.29	1.00E-03	2.29E-03	2.19E-03	5.00E-03	1.00E-03	5.67E-04	2.70E-03	3.18E-03	Unknown	1.00E-03
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	7	1	14.29	2.30E-03	1.03E-03	9.38E-04	1.80E-03	2.30E-03	5.73E-04	1.45E-03	1.53E-03	Unknown	1.53E-03

NA - Not Applicable

TABLE 4.2-49B: CONSTRUCTION WORKER EXPOSURE UNIT - SCREENING OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 2

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Tap Water Screening Criteria mg/L	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Aluminum	3.70E+00	no - qual. COPC		
Barium	2.60E-01	no - qual. COPC		
Cobalt	2.20E-01	no - qual. COPC		
Cyanide, Total	7.30E-02	no - qual. COPC		
Iron	1.10E+00	no - qual. COPC		
Manganese	8.40E-02	YES	YES - COPC	
Thallium	2.60E-04	YES	no	YES - COPC
Vanadium	2.60E-02	no - qual. COPC		
Zinc	1.10E+00	no - qual. COPC		
Acetone	3.70E-01	no - qual. COPC		
Tetrachloroethene	1.10E-03	YES	no	no - qual. COPC

TABLE 4.2-51A: CONSTRUCTION WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/L
Aluminum	3	3	100	8.41E-02	1.00E-01	9.93E-02	NA	1.13E-01	1.47E-02	1.25E-01	1.38E-01	Normal/Lognormal	1.13E-01
Arsenic	3	3	100	3.71E-02	3.78E-02	3.78E-02	NA	3.88E-02	8.74E-04	3.93E-02	3.94E-02	Normal/Lognormal	3.88E-02
Barium	3	3	100	4.20E-02	4.31E-02	4.31E-02	NA	4.40E-02	1.01E-03	4.48E-02	4.49E-02	Normal/Lognormal	4.40E-02
Cobalt	3	1	33.33	6.10E-03	3.70E-03	3.37E-03	5.00E-03	6.10E-03	2.08E-03	7.20E-03	4.39E-02	Unknown	6.10E-03
Iron	3	3	100	4.21E+01	4.39E+01	4.39E+01	NA	4.55E+01	1.72E+00	4.68E+01	4.72E+01	Normal/Lognormal	4.55E+01
Manganese	3	3	100	2.15E+00	2.27E+00	2.27E+00	NA	2.37E+00	1.12E-01	2.46E+00	2.49E+00	Normal/Lognormal	2.37E+00
Thallium	3	2	66.67	4.20E-03	3.93E-03	3.84E-03	5.60E-03	4.80E-03	1.03E-03	5.66E-03	8.70E-03	Normal/Lognormal	4.80E-03
Zinc	3	2	66.67	3.90E-03	3.93E-03	3.90E-03	6.60E-03	4.60E-03	6.51E-04	5.03E-03	5.67E-03	Normal/Lognormal	4.60E-03
2-Methylnaphthalene	8	5	62.5	2.50E-02	3.39E-02	2.01E-02	1.00E-02	7.30E-02	2.98E-02	5.38E-02	2.64E-01	Normal/Lognormal	7.30E-02
Acenaphthene	8	1	12.5	1.00E-03	4.50E-03	4.09E-03	1.00E-02	1.00E-03	1.41E-03	5.45E-03	8.19E-03	Unknown	1.00E-03
Bis(2-Ethylhexyl)phthalate	8	3	37.5	4.00E-03	4.63E-03	4.60E-03	1.00E-02	4.00E-03	5.18E-04	4.97E-03	5.02E-03	Unknown	4.00E-03
Dibenzofuran	8	5	62.5	1.00E-03	2.50E-03	1.83E-03	1.00E-02	1.00E-03	2.07E-03	3.89E-03	6.71E-03	Unknown	1.00E-03
Fluorene	8	2	25	1.00E-03	4.00E-03	3.34E-03	1.00E-02	1.00E-03	1.85E-03	5.24E-03	9.79E-03	Unknown	1.00E-03
Naphthalene	8	5	62.5	4.10E-02	5.41E-02	2.74E-02	1.00E-02	1.20E-01	4.92E-02	8.71E-02	1.03E+00	Normal/Lognormal	1.20E-01
Benzene	8	7	87.5	1.00E-03	3.06E-03	2.78E-03	5.00E-03	5.00E-03	1.27E-03	3.91E-03	4.96E-03	Normal/Lognormal	4.96E-03
Chloroform	8	1	12.5	2.00E-03	2.44E-03	2.43E-03	5.00E-03	2.00E-03	1.77E-04	2.56E-03	2.58E-03	Unknown	2.00E-03
Ethyl benzene	8	3	37.5	8.00E-03	4.81E-03	3.98E-03	5.00E-03	1.00E-02	3.25E-03	6.99E-03	9.26E-03	Unknown	9.26E-03
Total Xylenes	8	5	62.5	2.00E-03	8.06E-03	4.91E-03	5.00E-03	2.10E-02	8.10E-03	1.35E-02	3.62E-02	Unknown	2.10E-02
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	3	1	33.33	1.90E-03	1.25E-03	1.18E-03	1.90E-03	1.90E-03	5.63E-04	2.20E-03	6.34E-03	Normal/Lognormal	1.90E-03

NA - Not Applicable

TABLE 4.2-51B: CONSTRUCTION WORKER EXPOSURE UNIT - SCREENING OF COPCS IN GROUNDWATER FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Tap Water Screening Criteria mg/L	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Aluminum	3.70E+00	YES	no	no - qual. COPC
Arsenic	4.50E-05	YES	no	YES - COPC
Barium	2.60E-01	YES	no	no - qual. COPC
Cobalt	2.20E-01	no - qual. COPC		
Iron	1.10E+00	YES	no	YES - COPC
Manganese	8.40E-02	YES	no	YES - COPC
Thallium	2.60E-04	YES	no	YES - COPC
Zinc	1.10E+00	no - qual. COPC		
2-Methylnaphthalene	1.50E-01	no - qual. COPC		
Acenaphthene	2.20E-01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.80E-03	YES	no	no - qual. COPC
Dibenzofuran	2.40E-03	YES	no	no - qual. COPC
Fluorene	1.50E-01	no - qual. COPC		
Naphthalene	1.50E-01	no - qual. COPC		
Benzene	3.60E-04	YES	no	YES - COPC
Chloroform	1.50E-04	YES	no	YES - COPC
Ethyl benzene	1.30E-01	no - qual. COPC		
Total Xylenes	1.20E+00	no - qual. COPC		

TABLE 4.2-5A: OFF-SITE RESIDENT EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
2-Methylnaphthalene	11	1	9.09	4.70E-01	2.12E-01	2.03E-01	3.90E-01	4.70E-01	8.59E-02	2.59E-01	2.51E-01	Unknown	2.51E-01
Acenaphthene	11	2	18.18	7.60E-02	3.22E-01	2.10E-01	3.90E-01	1.80E+00	4.91E-01	5.91E-01	5.22E-01	Unknown	5.22E-01
Acetophenone	11	1	9.09	4.00E-02	1.74E-01	1.62E-01	4.00E-01	4.00E-02	4.52E-02	1.98E-01	2.48E-01	Unknown	4.00E-02
Anthracene	11	2	18.18	1.50E-01	3.29E-01	2.24E-01	3.90E-01	1.80E+00	4.88E-01	5.96E-01	4.89E-01	Unknown	4.89E-01
Benzo[a]anthracene	11	7	63.64	7.40E-02	4.14E-01	1.89E-01	3.70E-01	2.90E+00	8.31E-01	8.67E-01	8.76E-01	Unknown	8.76E-01
Benzo[a]pyrene	11	6	54.55	5.40E-02	3.30E-01	1.79E-01	3.90E-01	2.00E+00	5.61E-01	6.37E-01	7.08E-01	Lognormal	7.08E-01
Benzo[b]fluoranthene	11	9	81.82	4.50E-02	4.59E-01	2.61E-01	3.50E-01	2.60E+00	7.20E-01	8.52E-01	1.10E+00	Lognormal	1.10E+00
Benzo[k]fluoranthene	11	5	45.45	3.50E-01	3.20E-01	2.77E-01	3.90E-01	9.00E-01	2.15E-01	4.37E-01	4.59E-01	Lognormal	4.59E-01
Bis(2-Ethylhexyl)phthalate	11	3	27.27	1.20E+00	8.39E-01	5.81E-01	2.60E+00	2.40E+00	7.10E-01	1.23E+00	2.12E+00	Normal/Lognormal	2.12E+00
Chrysene	11	7	63.64	7.70E-02	3.96E-01	2.02E-01	3.70E-01	2.60E+00	7.38E-01	7.99E-01	7.76E-01	Unknown	7.76E-01
Di-n-butylphthalate	11	1	9.09	1.10E-01	2.14E-01	1.97E-01	1.10E+00	1.10E-01	1.14E-01	2.76E-01	2.70E-01	Unknown	1.10E-01
Di-n-octylphthalate	11	1	9.09	4.40E-02	1.74E-01	1.64E-01	4.00E-01	4.40E-02	4.42E-02	1.99E-01	2.42E-01	Unknown	4.40E-02
Dibenz[a,h]anthracene	11	2	18.18	8.10E-02	1.88E-01	1.81E-01	3.90E-01	3.20E-01	5.43E-02	2.18E-01	2.31E-01	Unknown	2.31E-01
Dibenzofuran	11	1	9.09	9.80E-01	2.59E-01	2.17E-01	3.90E-01	9.80E-01	2.39E-01	3.89E-01	3.48E-01	Unknown	3.48E-01
Fluoranthene	11	10	90.91	5.70E-02	7.65E-01	2.35E-01	3.50E-01	6.00E+00	1.75E+00	1.72E+00	2.66E+00	Lognormal	2.66E+00
Fluorene	11	2	18.18	7.60E-02	2.86E-01	2.05E-01	3.90E-01	1.40E+00	3.71E-01	4.89E-01	4.46E-01	Unknown	4.46E-01
Indeno[1,2,3-cd]pyrene	11	6	54.55	4.30E-02	2.26E-01	1.41E-01	3.90E-01	1.10E+00	2.99E-01	3.89E-01	5.17E-01	Lognormal	5.17E-01
Naphthalene	11	1	9.09	5.70E-01	2.21E-01	2.06E-01	3.90E-01	5.70E-01	1.16E-01	2.85E-01	2.71E-01	Unknown	2.71E-01
Pyrene	11	10	90.91	5.00E-02	6.16E-01	2.07E-01	3.50E-01	4.60E+00	1.34E+00	1.35E+00	2.21E+00	Lognormal	2.21E+00
1,1,1-Trichloroethane	11	1	9.09	2.00E-03	2.77E-03	2.75E-03	6.00E-03	2.00E-03	3.44E-04	2.96E-03	3.00E-03	Unknown	2.00E-03
Dichlorodifluoromethane	11	1	9.09	2.00E-03	2.77E-03	2.75E-03	6.00E-03	2.00E-03	3.44E-04	2.96E-03	3.00E-03	Unknown	2.00E-03
Tetrachloroethene	11	3	27.27	2.00E-03	2.77E-03	2.74E-03	6.00E-03	3.00E-03	4.10E-04	3.00E-03	3.06E-03	Unknown	3.00E-03
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Benzo[ghi]perylene	11	5	45.45	5.20E-02	2.24E-01	1.64E-01	3.90E-01	8.90E-01	2.32E-01	3.51E-01	4.29E-01	Lognormal	4.29E-01
Phenanthrene	11	8	72.73	4.90E-02	7.21E-01	1.82E-01	3.70E-01	6.20E+00	1.83E+00	1.72E+00	2.32E+00	Unknown	2.32E+00

TABLE 4.2-5B: OFF-SITE RESIDENT EXPOSURE UNIT - SCREENING OF COPCS IN SOIL

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Residential Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
2-Methylnaphthalene	3.10E+02	no - qual. COPC		
Acenaphthene	4.70E+02	no - qual. COPC		
Acetophenone	7.80E+02	no - qual. COPC		
Anthracene	2.30E+03	no - qual. COPC		
Benzo[a]anthracene	8.70E-01	YES	YES - COPC	
Benzo[a]pyrene	8.70E-02	YES	YES - COPC	
Benzo[b]fluoranthene	8.70E-01	YES	YES - COPC	
Benzo[k]fluoranthene	8.70E+00	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.60E+01	no - qual. COPC		
Chrysene	8.70E+01	no - qual. COPC		
Di-n-butylphthalate	7.80E+02	no - qual. COPC		
Di-n-octylphthalate	1.60E+02	no - qual. COPC		
Dibenz[a,h]anthracene	8.70E-02	YES	no	YES - COPC
Dibenzofuran	3.10E+01	no - qual. COPC		
Fluoranthene	3.10E+02	no - qual. COPC		
Fluorene	3.10E+02	no - qual. COPC		
Indeno[1,2,3-cd]pyrene	8.70E-01	YES	YES - COPC	
Naphthalene	3.10E+02	no - qual. COPC		
Pyrene	2.30E+02	no - qual. COPC		
1,1,1-Trichloroethane	1.60E+02	no - qual. COPC		
Dichlorodifluoromethane	1.60E+03	no - qual. COPC		
Tetrachloroethene	1.20E+01	no - qual. COPC		

TABLE 4.2-11A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
1234678-HpCDD	20	16	80	2.00E-04	3.75E-02	2.51E-03	3.40E-03	4.00E-01	1.07E-01	7.88E-02	4.74E-01	Lognormal	4.00E-01
1234678-HpCDF	20	9	45	2.10E-04	3.05E-03	4.21E-04	3.30E-03	2.40E-02	6.62E-03	5.61E-03	3.03E-02	Lognormal	2.40E-02
123478-HeCDF	19	1	5.26	1.40E-03	2.82E-04	8.09E-05	2.80E-03	1.40E-03	4.52E-04	4.62E-04	1.35E-03	Lognormal	1.35E-03
123678-HeCDD	20	3	15	8.80E-04	1.31E-03	2.09E-04	4.90E-03	1.10E-02	3.00E-03	2.48E-03	5.43E-03	Unknown	5.43E-03
123678-HeCDF	19	1	5.26	1.50E-03	2.87E-04	8.12E-05	2.80E-03	1.50E-03	4.66E-04	4.72E-04	1.38E-03	Lognormal	1.38E-03
OCDD	20	18	90	1.60E-03	5.39E-01	2.93E-02	2.50E-02	5.30E+00	1.53E+00	1.13E+00	8.45E+00	Lognormal	5.30E+00
OCDF	20	8	40	8.10E-04	3.87E-02	1.11E-03	1.40E-02	4.50E-01	1.18E-01	8.42E-02	4.52E-01	Lognormal	4.50E-01
Aluminum	59	59	100	2.41E+03	4.55E+04	1.68E+04	NA	7.53E+05	1.15E+05	7.07E+04	4.50E+04	Unknown	4.50E+04
Arsenic	59	54	91.53	1.60E+00	6.57E+00	5.18E+00	4.44E+00	2.88E+01	5.18E+00	7.71E+00	7.96E+00	Unknown	7.96E+00
Barium	59	59	100	1.70E+01	2.73E+02	6.48E+01	NA	9.90E+03	1.29E+03	5.55E+02	1.74E+02	Unknown	1.74E+02
Beryllium	59	41	69.49	1.80E-01	4.66E-01	3.24E-01	5.40E-01	6.00E+00	7.67E-01	6.34E-01	5.21E-01	Unknown	5.21E-01
Cadmium	59	46	77.97	3.60E-01	3.97E+01	6.75E+00	2.60E+00	2.77E+02	6.66E+01	5.43E+01	2.42E+02	Unknown	2.42E+02
Chromium	59	59	100	7.90E+00	1.65E+03	1.84E+02	NA	1.18E+04	3.15E+03	2.34E+03	7.94E+03	Unknown	7.94E+03
Cobalt	59	57	96.61	2.90E+00	1.24E+01	9.01E+00	4.30E+00	8.39E+01	1.36E+01	1.54E+01	1.46E+01	Unknown	1.46E+01
Copper	59	59	100	4.70E+00	1.65E+03	1.36E+02	NA	3.93E+04	5.81E+03	2.93E+03	2.73E+03	Unknown	2.73E+03
Cyanide, Total	55	23	41.82	7.60E-01	1.53E+01	1.40E+00	1.30E+00	1.36E+02	3.39E+01	2.30E+01	3.66E+01	Unknown	3.66E+01
Iron	59	59	100	5.76E+03	2.10E+04	1.78E+04	NA	1.08E+05	1.55E+04	2.44E+04	2.34E+04	Unknown	2.34E+04
Manganese	59	59	100	6.84E+01	3.47E+02	2.64E+02	NA	2.13E+03	3.37E+02	4.20E+02	4.01E+02	Unknown	4.01E+02
Mercury	59	32	54.24	5.00E-02	2.67E-01	9.60E-02	1.50E-01	2.20E+00	4.46E-01	3.64E-01	4.59E-01	Unknown	4.59E-01
Nickel	59	58	98.31	4.40E+00	9.69E+01	2.93E+01	8.70E+00	2.51E+03	3.29E+02	1.69E+02	1.04E+02	Unknown	1.04E+02
Selenium	59	12	20.34	4.40E-01	5.45E-01	3.90E-01	7.51E+00	1.90E+00	6.10E-01	6.79E-01	6.22E-01	Unknown	6.22E-01
Silver	59	37	62.71	5.00E-01	1.55E+01	2.94E+00	2.50E+00	1.01E+02	2.59E+01	2.12E+01	4.63E+01	Unknown	4.63E+01
Tin	59	45	76.27	3.60E+00	2.30E+01	1.06E+01	2.28E+01	1.80E+02	3.61E+01	3.09E+01	3.33E+01	Unknown	3.33E+01
Vanadium	59	58	98.31	1.07E+01	5.47E+01	3.87E+01	1.06E+01	5.42E+02	7.36E+01	7.09E+01	6.23E+01	Unknown	6.23E+01
Zinc	59	59	100	2.23E+01	3.44E+03	4.26E+02	NA	6.83E+04	9.92E+03	5.61E+03	9.62E+03	Unknown	9.62E+03
4,4`-DDD	22	5	22.73	5.70E-03	1.43E-02	7.37E-03	1.00E-01	7.00E-02	1.80E-02	2.09E-02	2.99E-02	Lognormal	2.99E-02
4,4`-DDE	22	5	22.73	4.00E-03	1.32E-02	7.00E-03	1.00E-01	5.00E-02	1.55E-02	1.88E-02	2.69E-02	Lognormal	2.69E-02
4,4`-DDT	22	2	9.09	5.80E-03	1.11E-02	6.06E-03	1.00E-01	6.80E-03	1.47E-02	1.65E-02	1.89E-02	Unknown	6.80E-03
Alpha-Chlordane	11	4	36.36	2.20E-03	5.99E-03	4.20E-03	2.90E-02	6.10E-03	4.86E-03	8.64E-03	1.54E-02	Normal/Lognormal	6.10E-03
Aroclor-1242	22	5	22.73	2.00E-01	3.10E-01	1.19E-01	2.00E+00	1.50E+00	4.05E-01	4.58E-01	1.21E+00	Lognormal	1.21E+00
Aroclor-1254	22	7	31.82	4.50E-02	2.55E-01	1.13E-01	2.00E+00	8.22E-01	3.25E-01	3.74E-01	7.25E-01	Lognormal	7.25E-01
Delta-BHC	22	2	9.09	2.00E-02	1.05E-02	4.60E-03	1.00E-01	5.00E-02	1.47E-02	1.59E-02	2.72E-02	Lognormal	2.72E-02
Endrin	22	2	9.09	9.00E-03	1.42E-02	8.26E-03	1.00E-01	2.00E-02	1.44E-02	1.95E-02	3.03E-02	Lognormal	2.00E-02
Gamma-Chlordane	11	2	18.18	2.40E-03	4.57E-03	2.50E-03	2.90E-02	2.80E-03	5.45E-03	7.55E-03	1.39E-02	Unknown	2.80E-03
Technical chlordane	11	6	54.55	9.00E-02	4.89E-01	2.24E-01	6.00E-01	2.30E+00	6.51E-01	8.45E-01	3.51E+00	Lognormal	2.30E+00
1,2-Dichlorobenzene	72	4	5.56	1.20E-01	1.05E+01	2.78E-01	6.10E+00	7.30E+02	8.60E+01	2.74E+01	7.45E-01	Unknown	7.45E-01
2,3,4,6-Tetrachlorophenol	57	4	7.02	5.10E-02	4.29E-01	2.64E-01	6.10E+00	2.90E-01	6.38E-01	5.71E-01	4.59E-01	Unknown	2.90E-01
2-Methylnaphthalene	72	31	43.06	5.00E-02	2.63E+00	3.01E-01	5.10E+00	1.30E+02	1.53E+01	5.65E+00	1.23E+00	Unknown	1.23E+00
3 or 4-Methylphenol	69	4	5.8	1.00E-01	5.09E-01	2.61E-01	6.10E+00	1.00E+01	1.29E+00	7.67E-01	4.46E-01	Unknown	4.46E-01
Acenaphthene	72	38	52.78	4.20E-02	5.28E-01	2.86E-01	5.10E+00	4.20E+00	8.17E-01	6.89E-01	6.01E-01	Unknown	6.01E-01
Acetophenone	58	7	12.07	5.80E-02	4.27E-01	2.61E-01	6.10E+00	3.60E-01	6.34E-01	5.67E-01	4.63E-01	Unknown	3.60E-01

TABLE 4.2-11A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Anthracene	72	44	61.11	3.60E-02	7.51E-01	3.07E-01	6.10E+00	1.10E+01	1.53E+00	1.05E+00	9.48E-01	Unknown	9.48E-01
Benzo[a]anthracene	71	57	80.28	6.50E-02	2.01E+00	6.87E-01	3.80E+00	3.00E+01	4.38E+00	2.88E+00	2.85E+00	Unknown	2.85E+00
Benzo[a]pyrene	72	56	77.78	4.70E-02	1.93E+00	6.94E-01	3.80E+00	2.80E+01	4.10E+00	2.74E+00	2.70E+00	Unknown	2.70E+00
Benzo[b]fluoranthene	72	59	81.94	9.40E-02	2.87E+00	1.02E+00	5.80E-01	3.80E+01	5.80E+00	4.01E+00	4.32E+00	Unknown	4.32E+00
Benzo[k]fluoranthene	72	54	75	8.40E-02	1.05E+00	5.02E-01	3.80E+00	1.30E+01	1.88E+00	1.42E+00	1.30E+00	Unknown	1.30E+00
Bis(2-Ethylhexyl)phthalate	72	52	72.22	7.90E-02	6.72E+00	1.19E+00	3.80E+00	1.60E+02	2.00E+01	1.07E+01	1.14E+01	Unknown	1.14E+01
Butylbenzylphthalate	72	33	45.83	4.10E-02	7.02E-01	2.88E-01	6.10E+00	5.60E+00	1.17E+00	9.33E-01	8.64E-01	Unknown	8.64E-01
Carbazole	13	5	38.46	1.80E-01	2.93E-01	2.49E-01	4.30E-01	7.90E-01	2.18E-01	4.01E-01	3.97E-01	Unknown	3.97E-01
Chrysene	72	61	84.72	4.10E-02	2.13E+00	7.18E-01	3.80E+00	2.90E+01	4.52E+00	3.02E+00	3.19E+00	Unknown	3.19E+00
Di-n-butylphthalate	72	32	44.44	4.00E-02	3.54E-01	1.97E-01	6.10E+00	3.40E-01	5.86E-01	4.70E-01	3.83E-01	Unknown	3.40E-01
Di-n-octylphthalate	67	8	11.94	4.00E-02	3.48E-01	2.28E-01	5.10E+00	6.30E-01	5.00E-01	4.49E-01	3.72E-01	Unknown	3.72E-01
Dibenz[a,h]anthracene	69	38	55.07	4.00E-02	1.04E+00	3.58E-01	6.10E+00	3.19E+01	3.84E+00	1.82E+00	9.75E-01	Unknown	9.75E-01
Dibenzofuran	72	33	45.83	4.10E-02	4.30E-01	2.46E-01	6.10E+00	2.90E+00	6.40E-01	5.55E-01	4.99E-01	Unknown	4.99E-01
Diethyl phthalate	72	14	19.44	3.90E-02	3.59E-01	2.00E-01	6.10E+00	9.10E-02	5.85E-01	4.74E-01	4.06E-01	Unknown	9.10E-02
Dimethylphthalate	72	9	12.5	7.40E-02	3.84E-01	2.50E-01	6.10E+00	4.60E-01	5.75E-01	4.97E-01	3.91E-01	Unknown	3.91E-01
Fluoranthene	72	65	90.28	4.70E-02	3.43E+00	9.76E-01	5.80E-01	4.40E+01	7.50E+00	4.90E+00	5.84E+00	Unknown	5.84E+00
Fluorene	72	40	55.56	3.80E-02	5.33E-01	2.95E-01	6.10E+00	3.60E+00	7.96E-01	6.90E-01	6.19E-01	Unknown	6.19E-01
Indeno[1,2,3-cd]pyrene	72	52	72.22	9.20E-02	1.69E+00	7.35E-01	4.80E+00	2.00E+01	3.08E+00	2.30E+00	2.26E+00	Unknown	2.26E+00
Naphthalene	72	33	45.83	4.60E-02	8.62E-01	2.65E-01	5.10E+00	1.90E+01	2.76E+00	1.41E+00	7.62E-01	Unknown	7.62E-01
Pentachlorophenol	71	11	15.49	1.40E-01	1.18E+00	7.10E-01	1.50E+01	4.70E+00	1.61E+00	1.50E+00	1.28E+00	Unknown	1.28E+00
Pyrene	72	65	90.28	4.30E-02	4.09E+00	1.15E+00	5.80E-01	5.60E+01	8.78E+00	5.82E+00	8.17E+00	Unknown	8.17E+00
1,1,1-Trichloroethane	72	5	6.94	1.50E-03	5.46E-02	4.12E-03	4.50E-02	3.60E+00	4.24E-01	1.38E-01	8.78E-03	Unknown	8.78E-03
1,2-Dichloroethene (total)	72	7	9.72	8.00E-03	3.47E-02	5.39E-03	6.90E-01	1.30E+00	1.62E-01	6.66E-02	1.71E-02	Unknown	1.71E-02
Acetone	72	27	37.5	4.00E-03	1.93E-01	6.22E-02	1.40E+01	6.90E-01	8.24E-01	3.55E-01	1.62E-01	Unknown	1.62E-01
Benzene	72	6	8.33	2.00E-03	9.76E-03	3.93E-03	6.90E-01	5.90E-02	4.07E-02	1.78E-02	6.66E-03	Unknown	6.66E-03
Chlorobenzene	71	7	9.86	1.00E-03	1.41E-02	4.01E-03	3.60E-02	5.60E-01	6.75E-02	2.75E-02	7.78E-03	Unknown	7.78E-03
Ethyl benzene	72	15	20.83	5.00E-03	1.15E-01	5.94E-03	3.00E-02	5.50E+00	6.66E-01	2.46E-01	3.18E-02	Unknown	3.18E-02
Methyl ethyl ketone	72	10	13.89	2.00E-03	1.78E-01	6.37E-02	1.40E+01	8.40E-02	8.19E-01	3.40E-01	1.51E-01	Lognormal	8.40E-02
Tetrachloroethene	72	15	20.83	2.00E-03	3.48E+00	5.05E-03	4.50E-02	2.50E+02	2.95E+01	9.28E+00	2.61E-02	Unknown	2.61E-02
Toluene	72	33	45.83	1.00E-03	8.04E-02	5.95E-03	3.00E-02	4.40E+00	5.21E-01	1.83E-01	2.38E-02	Unknown	2.38E-02
Total Xylenes	72	27	37.5	1.00E-03	7.40E-01	8.99E-03	9.00E-03	3.10E+01	3.84E+00	1.50E+00	3.36E-01	Unknown	3.36E-01
Trichloroethene	72	11	15.28	2.00E-03	9.78E-02	5.32E-03	4.50E-02	5.10E+00	6.12E-01	2.18E-01	2.10E-02	Unknown	2.10E-02
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
123478-HeCDD	20	1	5	4.50E-04	5.83E-04	1.78E-04	6.00E-03	4.50E-04	9.49E-04	9.50E-04	1.86E-03	Lognormal	4.50E-04
1234789-HpCDF	20	1	5	1.30E-03	3.49E-04	9.96E-05	3.30E-03	1.30E-03	5.38E-04	5.57E-04	2.05E-03	Lognormal	1.30E-03
12378-PeCDD	20	1	5	4.00E-04	3.37E-04	1.08E-04	7.40E-03	4.00E-04	8.11E-04	6.51E-04	7.17E-04	Lognormal	4.00E-04
12378-PeCDF	20	1	5	1.30E-03	4.80E-04	7.46E-05	1.30E-02	1.30E-03	1.45E-03	1.04E-03	1.18E-03	Lognormal	1.18E-03
123789-HeCDD	20	0	0	0.00E+00	4.47E-04	1.40E-04	4.90E-03	0.00E+00	7.10E-04	7.21E-04	1.45E-03	Unknown	1.45E-03
123789-HeCDF	20	0	0	0.00E+00	1.86E-04	5.85E-05	2.80E-03	0.00E+00	3.52E-04	3.22E-04	5.41E-04	Lognormal	5.41E-04
234678-HeCDF	20	1	5	2.10E-03	2.95E-04	7.36E-05	2.80E-03	2.10E-03	5.52E-04	5.09E-04	1.18E-03	Lognormal	1.18E-03

TABLE 4.2-11A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
23478-PeCDF	20	1	5	1.40E-03	4.46E-04	6.41E-05	1.30E-02	1.40E-03	1.46E-03	1.01E-03	7.36E-04	Unknown	7.36E-04
2378-TCDD	20	1	5	3.00E-04	1.71E-04	3.71E-05	4.30E-03	3.00E-04	4.73E-04	3.54E-04	5.15E-04	Lognormal	3.00E-04
2378-TCDF	20	1	5	5.50E-04	2.44E-04	9.31E-05	4.10E-03	5.50E-04	4.57E-04	4.21E-04	5.56E-04	Unknown	5.50E-04
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	59	59	100	7.00E+00	2.72E+02	1.05E+02	NA	3.44E+03	5.05E+02	3.83E+02	4.77E+02	Unknown	4.77E+02
3-Methylcholanthrene	54	5	9.26	7.20E-02	4.49E-01	2.77E-01	6.10E+00	4.00E-01	6.52E-01	5.99E-01	4.89E-01	Unknown	4.00E-01
Acenaphthylene	72	11	15.28	4.20E-02	3.67E-01	2.17E-01	6.10E+00	2.70E-01	5.81E-01	4.81E-01	3.97E-01	Unknown	2.70E-01
Benzo[ghi]perylene	72	53	73.61	4.70E-02	1.65E+00	7.26E-01	4.80E+00	1.80E+01	2.84E+00	2.21E+00	2.34E+00	Unknown	2.34E+00
Phenanthrene	72	61	84.72	3.90E-02	2.68E+00	7.25E-01	6.10E+00	3.50E+01	5.86E+00	3.84E+00	4.50E+00	Unknown	4.50E+00

NA - Not Applicable

TABLE 4.2-11B: TRESPASSER EXPOSURE UNIT - SCREENING OF COPCS IN SOIL

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
1234678-HpCDD	3.70E-05	YES	YES - COPC	
1234678-HpCDF	3.70E-05	YES	YES - COPC	
123478-HeCDF	3.70E-05	YES	no	YES - COPC
123678-HeCDD	3.70E-05	YES	YES - COPC	
123678-HeCDF	3.70E-05	YES	no	YES - COPC
OCDD	3.70E-05	YES	YES - COPC	
OCDF	3.70E-05	YES	YES - COPC	
Aluminum	2.00E+05	YES	no	YES - COPC
Arsenic	3.80E+00	YES	YES - COPC	
Barium	1.40E+04	YES	no	no - qual. COPC
Beryllium	4.10E+02	no - qual. COPC		
Cadmium	1.00E+02	YES	YES - COPC	
Chromium	1.00E+03	YES	no	YES - COPC
Cobalt	1.20E+04	no - qual. COPC		
Copper	8.20E+03	YES	no	YES - COPC
Cyanide, Total	4.10E+03	no - qual. COPC		
Iron	6.10E+04	YES	no	YES - COPC
Manganese	4.70E+03	YES	no	no - qual. COPC
Mercury	6.10E+01	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Selenium	1.00E+03	no - qual. COPC		
Silver	1.00E+03	no - qual. COPC		
Tin	1.00E+05	no - qual. COPC		
Vanadium	1.40E+03	no - qual. COPC		
Zinc	6.10E+04	YES	no	YES - COPC
4,4`-DDD	2.40E+01	no - qual. COPC		
4,4`-DDE	1.70E+01	no - qual. COPC		
4,4`-DDT	1.70E+01	no - qual. COPC		
Alpha-Chlordane	1.60E+01	no - qual. COPC		
Aroclor-1242	2.90E+00	no - qual. COPC		
Aroclor-1254	2.90E+00	no - qual. COPC		
Delta-BHC	9.10E-01	no - qual. COPC		
Endrin	6.10E+01	no - qual. COPC		
Gamma-Chlordane	1.60E+01	no - qual. COPC		
Technical chlordane	1.60E+01	no - qual. COPC		
1,2-Dichlorobenzene	1.80E+04	no - qual. COPC		
2,3,4,6-Tetrachlorophenol	6.10E+03	no - qual. COPC		
2-Methylnaphthalene	8.20E+03	no - qual. COPC		
3 or 4-Methylphenol	1.00E+03	no - qual. COPC		
Acenaphthene	1.20E+04	no - qual. COPC		
Acetophenone	2.00E+04	no - qual. COPC		

TABLE 4.2-11B: TRESPASSER EXPOSURE UNIT - SCREENING OF COPCS IN SOIL

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Anthracene	6.10E+04	no - qual. COPC		
Benzo[a]anthracene	7.80E+00	YES	YES - COPC	
Benzo[a]pyrene	7.80E-01	YES	YES - COPC	
Benzo[b]fluoranthene	7.80E+00	YES	YES - COPC	
Benzo[k]fluoranthene	7.80E+01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.10E+02	no - qual. COPC		
Butylbenzylphthalate	4.10E+04	no - qual. COPC		
Carbazole	2.90E+02	no - qual. COPC		
Chrysene	7.80E+02	no - qual. COPC		
Di-n-butylphthalate	2.00E+04	no - qual. COPC		
Di-n-octylphthalate	4.10E+03	no - qual. COPC		
Dibenz[a,h]anthracene	7.80E-01	YES	YES - COPC	
Dibenzofuran	8.20E+02	no - qual. COPC		
Diethyl phthalate	1.60E+05	no - qual. COPC		
Dimethylphthalate	2.00E+06	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Fluorene	8.20E+03	no - qual. COPC		
Indeno[1,2,3-cd]pyrene	7.80E+00	YES	YES - COPC	
Naphthalene	8.20E+03	no - qual. COPC		
Pentachlorophenol	4.80E+01	no - qual. COPC		
Pyrene	6.10E+03	no - qual. COPC		
1,1,1-Trichloroethane	4.10E+03	no - qual. COPC		
1,2-Dichloroethene (total)	1.80E+03	no - qual. COPC		
Acetone	2.00E+04	no - qual. COPC		
Benzene	2.00E+02	no - qual. COPC		
Chlorobenzene	4.10E+03	no - qual. COPC		
Ethyl benzene	2.00E+04	no - qual. COPC		
Methyl ethyl ketone	1.20E+05	no - qual. COPC		
Tetrachloroethene	1.10E+02	YES	YES - COPC	
Toluene	4.10E+04	no - qual. COPC		
Total Xylenes	4.10E+05	no - qual. COPC		
Trichloroethene	5.20E+02	no - qual. COPC		

TABLE 4.2-17A: RECREATOR EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SURFACE SOILS

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Aluminum	6	6	100.00	8.22E+03	9.70E+03	9.57E+03	NA	1.26E+04	1.78E+03	1.12E+04	1.14E+04	Normal/Lognormal	1.14E+04
Arsenic	6	4	66.67	5.10E+00	4.16E+00	3.29E+00	2.30E+00	6.90E+00	2.44E+00	6.16E+00	1.81E+01	Normal/Lognormal	6.90E+00
Barium	6	6	100.00	2.27E+01	2.72E+01	2.68E+01	NA	3.41E+01	4.88E+00	3.12E+01	3.19E+01	Normal/Lognormal	3.19E+01
Beryllium	6	6	100.00	2.10E-01	3.73E-01	3.49E-01	NA	5.30E-01	1.40E-01	4.88E-01	6.01E-01	Normal/Lognormal	5.30E-01
Chromium	6	6	100.00	7.90E+00	1.07E+01	1.05E+01	NA	1.26E+01	2.08E+00	1.24E+01	1.30E+01	Normal/Lognormal	1.26E+01
Cobalt	6	5	83.33	4.90E+00	5.27E+00	4.94E+00	4.30E+00	7.10E+00	1.77E+00	6.73E+00	8.79E+00	Normal/Lognormal	7.10E+00
Copper	6	6	100.00	4.70E+00	4.24E+01	2.60E+01	NA	1.40E+02	4.91E+01	8.29E+01	4.62E+02	Lognormal	1.40E+02
Iron	6	6	100.00	1.19E+04	1.50E+04	1.49E+04	NA	1.75E+04	2.15E+03	1.68E+04	1.72E+04	Normal/Lognormal	1.72E+04
Manganese	6	6	100.00	1.22E+02	2.09E+02	2.03E+02	NA	2.47E+02	4.65E+01	2.47E+02	2.72E+02	Normal/Lognormal	2.47E+02
Mercury	6	2	33.33	5.00E-02	5.92E-02	3.79E-02	6.00E-02	2.10E-01	7.48E-02	1.21E-01	2.88E-01	Lognormal	2.10E-01
Nickel	6	5	83.33	4.40E+00	6.99E+00	6.69E+00	8.70E+00	8.90E+00	2.09E+00	8.71E+00	9.98E+00	Normal/Lognormal	8.90E+00
Selenium	6	2	33.33	6.50E-01	4.96E-01	4.45E-01	8.20E-01	9.40E-01	2.59E-01	7.08E-01	9.25E-01	Normal/Lognormal	9.25E-01
Tin	6	2	33.33	6.90E+00	4.76E+00	4.25E+00	7.90E+00	8.90E+00	2.57E+00	6.87E+00	8.89E+00	Normal/Lognormal	8.89E+00
Vanadium	6	6	100.00	2.25E+01	3.26E+01	3.13E+01	NA	4.70E+01	1.05E+01	4.13E+01	4.49E+01	Normal/Lognormal	4.49E+01
Zinc	6	6	100.00	2.28E+01	8.61E+01	5.98E+01	NA	2.84E+02	9.80E+01	1.67E+02	3.38E+02	Lognormal	2.84E+02
Alpha-Chlordane	2	2	100.00	5.10E-03	5.60E-03	5.58E-03	NA	6.10E-03	7.07E-04	8.76E-03	9.48E-03	Unknown	6.10E-03
Gamma-Chlordane	2	2	100.00	2.40E-03	2.60E-03	2.59E-03	NA	2.80E-03	2.83E-04	3.86E-03	4.01E-03	Unknown	2.80E-03
Benzo[a]anthracene	3	2	66.67	6.80E-02	1.04E-01	9.32E-02	3.50E-01	6.80E-02	6.18E-02	2.08E-01	1.67E+00	Unknown	6.80E-02
Chrysene	3	2	66.67	8.20E-02	1.14E-01	1.07E-01	3.50E-01	8.50E-02	5.28E-02	2.03E-01	6.29E-01	Normal/Lognormal	8.50E-02
Di-n-butylphthalate	3	1	33.33	6.80E-02	1.41E-01	1.29E-01	3.60E-01	6.80E-02	6.33E-02	2.48E-01	2.53E+00	Normal/Lognormal	6.80E-02
Fluoranthene	3	2	66.67	1.30E-01	1.52E-01	1.51E-01	3.50E-01	1.50E-01	2.25E-02	1.90E-01	2.08E-01	Normal/Lognormal	1.50E-01
Pyrene	3	2	66.67	1.10E-01	1.35E-01	1.32E-01	3.50E-01	1.20E-01	3.50E-02	1.94E-01	2.57E-01	Normal/Lognormal	1.20E-01
1,1,1-Trichloroethane	3	1	33.33	1.50E-03	2.17E-03	2.11E-03	5.00E-03	1.50E-03	5.77E-04	3.14E-03	5.14E-03	Unknown	1.50E-03
Acetone	3	1	33.33	1.10E-02	4.03E-02	3.22E-02	1.10E-01	1.10E-02	2.54E-02	8.32E-02	1.43E+02	Unknown	1.10E-02
Tetrachloroethene	3	1	33.33	1.00E-02	5.00E-03	3.97E-03	5.00E-03	1.00E-02	4.33E-03	1.23E-02	2.01E+00	Unknown	1.00E-02
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	6	6	100.00	8.30E+00	6.28E+01	3.06E+01	NA	2.02E+02	7.99E+01	1.29E+02	1.39E+03	Normal/Lognormal	2.02E+02
Phenanthrene	3	2	66.67	3.90E-02	8.73E-02	6.89E-02	3.50E-01	4.80E-02	7.61E-02	2.16E-01	4.28E+01	Normal/Lognormal	4.80E-02

NA - Not Applicable

TABLE 4.2-17B: RECREATOR EXPOSURE UNIT - SCREENING OF COPCS IN SURFACE SOILS

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Aluminum	2.00E+05	YES	no	no - qual. COPC
Arsenic	3.80E+00	YES	YES - COPC	
Barium	1.40E+04	YES	no	no - qual. COPC
Beryllium	4.10E+02	YES	no	no - qual. COPC
Chromium	1.00E+03	YES	no	no - qual. COPC
Cobalt	1.20E+04	no - qual. COPC		
Copper	8.20E+03	YES	no	no - qual. COPC
Iron	6.10E+04	YES	no	no - qual. COPC
Manganese	4.70E+03	YES	no	no - qual. COPC
Mercury	6.10E+01	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Selenium	1.00E+03	no - qual. COPC		
Tin	1.20E+05	no - qual. COPC		
Vanadium	1.40E+03	YES	no	no - qual. COPC
Zinc	6.10E+04	YES	no	no - qual. COPC
Alpha-Chlordane	1.60E+01	YES	no	no - qual. COPC
Gamma-Chlordane	1.60E+01	YES	no	no - qual. COPC
Benzo[a]anthracene	7.80E+00	no - qual. COPC		
Chrysene	7.80E+02	no - qual. COPC		
Di-n-butylphthalate	2.00E+04	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Pyrene	6.10E+03	no - qual. COPC		
1,1,1-Trichloroethane	4.10E+03	no - qual. COPC		
Acetone	2.00E+04	no - qual. COPC		
Tetrachloroethene	1.10E+02	no - qual. COPC		

TABLE 4.2-23A: MAINTENANCE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
1234678-HpCDD	54	24	44.44	1.80E-04	1.53E-02	4.38E-04	3.40E-03	4.00E-01	6.65E-02	3.05E-02	3.60E-02	Unknown	3.60E-02
1234678-HpCDF	54	13	24.07	1.10E-04	1.24E-03	1.28E-04	3.30E-03	2.40E-02	4.21E-03	2.21E-03	1.79E-03	Unknown	1.79E-03
123678-HeCDD	54	4	7.41	8.80E-04	5.80E-04	1.03E-04	4.90E-03	1.10E-02	1.90E-03	1.02E-03	6.22E-04	Unknown	6.22E-04
OCDD	54	40	74.07	7.00E-04	2.14E-01	5.08E-03	2.50E-02	5.30E+00	9.52E-01	4.33E-01	4.66E-01	Unknown	4.66E-01
OCDF	54	13	24.07	4.20E-04	1.47E-02	3.13E-04	1.40E-02	4.50E-01	7.28E-02	3.14E-02	9.98E-03	Unknown	9.98E-03
Aluminum	100	100	100	2.41E+03	3.06E+04	1.28E+04	NA	7.53E+05	9.00E+04	4.56E+04	2.45E+04	Unknown	2.45E+04
Arsenic	100	92	92	1.60E+00	7.43E+00	5.66E+00	4.44E+00	2.88E+01	5.98E+00	8.43E+00	8.77E+00	Unknown	8.77E+00
Barium	100	100	100	1.34E+01	1.75E+02	4.91E+01	NA	9.90E+03	9.93E+02	3.41E+02	9.46E+01	Unknown	9.46E+01
Beryllium	100	82	82	7.00E-02	4.11E-01	3.18E-01	5.40E-01	6.00E+00	5.95E-01	5.11E-01	4.35E-01	Unknown	4.35E-01
Cadmium	100	52	52	3.60E-01	2.39E+01	2.32E+00	3.00E+00	2.77E+02	5.45E+01	3.30E+01	5.72E+01	Unknown	5.72E+01
Chromium	100	100	100	2.90E+00	1.00E+03	7.69E+01	NA	1.18E+04	2.54E+03	1.42E+03	1.72E+03	Unknown	1.72E+03
Cobalt	100	95	95	2.70E+00	9.89E+00	7.41E+00	4.30E+00	8.39E+01	1.11E+01	1.17E+01	1.08E+01	Unknown	1.08E+01
Copper	100	100	100	4.70E+00	9.85E+02	6.60E+01	NA	3.93E+04	4.52E+03	1.74E+03	5.99E+02	Unknown	5.99E+02
Cyanide, Total	94	26	27.66	1.50E-01	9.14E+00	7.46E-01	1.30E+00	1.36E+02	2.69E+01	1.38E+01	7.33E+00	Unknown	7.33E+00
Iron	100	100	100	5.76E+03	1.88E+04	1.64E+04	NA	1.08E+05	1.30E+04	2.09E+04	2.00E+04	Unknown	2.00E+04
Manganese	100	100	100	6.84E+01	3.09E+02	2.48E+02	NA	2.13E+03	2.82E+02	3.56E+02	3.34E+02	Unknown	3.34E+02
Mercury	100	36	36	3.00E-02	1.69E-01	5.63E-02	1.50E-01	2.20E+00	3.61E-01	2.29E-01	1.82E-01	Unknown	1.82E-01
Nickel	100	90	90	4.40E+00	6.28E+01	1.98E+01	9.60E+00	2.51E+03	2.55E+02	1.05E+02	5.15E+01	Unknown	5.15E+01
Selenium	100	12	12	4.40E-01	4.72E-01	3.74E-01	7.51E+00	1.90E+00	4.80E-01	5.52E-01	5.01E-01	Unknown	5.01E-01
Silver	100	38	38	5.00E-01	9.60E+00	1.78E+00	2.50E+00	1.01E+02	2.11E+01	1.31E+01	1.07E+01	Unknown	1.07E+01
Tin	100	55	55	3.60E+00	1.55E+01	7.15E+00	2.28E+01	1.80E+02	2.91E+01	2.04E+01	1.69E+01	Unknown	1.69E+01
Vanadium	100	88	88	1.07E+01	4.30E+01	3.10E+01	4.07E+01	5.42E+02	5.91E+01	5.29E+01	4.64E+01	Unknown	4.64E+01
Zinc	100	100	100	2.09E+01	2.06E+03	1.76E+02	NA	6.83E+04	7.77E+03	3.35E+03	2.23E+03	Unknown	2.23E+03
4,4`-DDD	56	7	12.5	5.30E-03	1.34E-02	4.86E-03	3.50E-01	7.00E-02	2.88E-02	1.98E-02	1.62E-02	Unknown	1.62E-02
4,4`-DDE	56	9	16.07	4.00E-03	1.35E-02	5.16E-03	3.50E-01	5.00E-02	2.82E-02	1.99E-02	1.71E-02	Unknown	1.71E-02
4,4`-DDT	56	5	8.93	5.50E-03	9.89E-03	4.62E-03	2.20E-01	3.08E-02	1.75E-02	1.38E-02	1.21E-02	Unknown	1.21E-02
Alpha-Chlordane	45	12	26.67	2.20E-03	8.90E-03	3.06E-03	1.80E-01	5.44E-02	1.72E-02	1.32E-02	1.38E-02	Unknown	1.38E-02
Aroclor-1242	56	5	8.93	2.00E-01	1.52E-01	4.96E-02	2.00E+00	1.50E+00	2.86E-01	2.16E-01	2.16E-01	Unknown	2.16E-01
Aroclor-1254	56	13	23.21	4.50E-02	2.75E+00	7.57E-02	3.50E+00	1.40E+02	1.87E+01	6.96E+00	9.38E-01	Unknown	9.38E-01
Dieldrin	56	3	5.36	4.70E-03	1.21E-02	4.37E-03	3.50E-01	7.00E-02	2.87E-02	1.86E-02	1.30E-02	Unknown	1.30E-02
Gamma-Chlordane	45	10	22.22	2.40E-03	6.62E-03	2.49E-03	1.10E-01	6.34E-02	1.26E-02	9.79E-03	9.36E-03	Unknown	9.36E-03
Technical chlordane	11	6	54.55	9.00E-02	4.89E-01	2.24E-01	6.00E-01	2.30E+00	6.51E-01	8.45E-01	3.51E+00	Lognormal	2.30E+00
2,3,4,6-Tetrachlorophenol	114	9	7.89	5.10E-02	3.14E-01	2.26E-01	6.10E+00	2.90E-01	4.65E-01	3.86E-01	3.05E-01	Unknown	2.90E-01
2-Methylnaphthalene	220	70	31.82	4.20E-02	1.08E+00	2.23E-01	5.10E+00	1.30E+02	8.85E+00	2.07E+00	4.21E-01	Unknown	4.21E-01
Acenaphthene	220	84	38.18	4.20E-02	4.34E-01	2.44E-01	7.20E+00	4.20E+00	7.61E-01	5.19E-01	4.02E-01	Unknown	4.02E-01
Acetophenone	118	13	11.02	4.00E-02	3.10E-01	2.21E-01	6.10E+00	3.60E-01	4.59E-01	3.81E-01	3.05E-01	Unknown	3.05E-01
Anthracene	221	102	46.15	3.60E-02	6.06E-01	2.57E-01	7.20E+00	1.10E+01	1.36E+00	7.58E-01	5.48E-01	Unknown	5.48E-01
Benzo[a]anthracene	216	160	74.07	3.80E-02	1.40E+00	3.81E-01	7.20E+00	3.00E+01	3.66E+00	1.81E+00	1.45E+00	Unknown	1.45E+00
Benzo[a]pyrene	212	133	62.74	4.70E-02	1.42E+00	4.58E-01	7.20E+00	2.80E+01	3.47E+00	1.81E+00	1.40E+00	Unknown	1.40E+00

TABLE 4.2-23A: MAINTENANCE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Benzo[b]fluoranthene	214	157	73.36	4.50E-02	2.01E+00	6.02E-01	7.20E+00	3.80E+01	4.88E+00	2.56E+00	2.13E+00	Unknown	2.13E+00
Benzo[k]fluoranthene	216	125	57.87	8.40E-02	8.28E-01	3.84E-01	7.20E+00	1.30E+01	1.65E+00	1.01E+00	7.84E-01	Unknown	7.84E-01
Bis(2-Ethylhexyl)phthalate	217	142	65.44	7.90E-02	3.20E+00	7.04E-01	1.10E+01	1.60E+02	1.20E+01	4.56E+00	2.92E+00	Unknown	2.92E+00
Butylbenzylphthalate	220	70	31.82	4.10E-02	5.09E-01	2.43E-01	7.20E+00	5.60E+00	9.84E-01	6.19E-01	4.48E-01	Unknown	4.48E-01
Carbazole	101	16	15.84	5.60E-02	2.49E-01	2.04E-01	7.20E+00	7.90E-01	3.59E-01	3.09E-01	2.46E-01	Unknown	2.46E-01
Chrysene	217	170	78.34	4.10E-02	1.50E+00	4.13E-01	7.20E+00	2.90E+01	3.79E+00	1.93E+00	1.60E+00	Unknown	1.60E+00
Di-n-butylphthalate	220	97	44.09	3.70E-02	2.36E-01	1.60E-01	6.10E+00	2.50E+00	3.85E-01	2.79E-01	2.31E-01	Unknown	2.31E-01
Di-n-octylphthalate	205	17	8.29	4.00E-02	2.53E-01	1.96E-01	7.20E+00	6.30E-01	3.78E-01	2.97E-01	2.43E-01	Unknown	2.43E-01
Dibenz[a,h]anthracene	209	84	40.19	4.00E-02	7.75E-01	2.97E-01	7.20E+00	3.19E+01	3.14E+00	1.14E+00	5.56E-01	Unknown	5.56E-01
Dibenzofuran	220	69	31.36	4.10E-02	3.38E-01	2.19E-01	7.20E+00	2.90E+00	5.33E-01	3.98E-01	3.27E-01	Unknown	3.27E-01
Diethyl phthalate	220	27	12.27	3.90E-02	2.55E-01	1.83E-01	7.20E+00	9.10E-02	4.13E-01	3.02E-01	2.50E-01	Unknown	9.10E-02
Dimethylphthalate	220	20	9.09	7.40E-02	2.69E-01	2.08E-01	7.20E+00	4.60E-01	4.09E-01	3.15E-01	2.52E-01	Unknown	2.52E-01
Fluoranthene	215	183	85.12	3.60E-02	2.37E+00	5.09E-01	7.20E+00	4.40E+01	6.35E+00	3.08E+00	2.60E+00	Unknown	2.60E+00
Fluorene	221	85	38.46	3.80E-02	4.35E-01	2.49E-01	7.20E+00	3.60E+00	7.20E-01	5.16E-01	4.14E-01	Unknown	4.14E-01
Indeno[1,2,3-cd]pyrene	214	120	56.07	4.30E-02	1.24E+00	4.75E-01	7.20E+00	2.00E+01	2.63E+00	1.54E+00	1.28E+00	Unknown	1.28E+00
Naphthalene	220	72	32.73	3.90E-02	5.07E-01	2.24E-01	5.10E+00	1.90E+01	1.72E+00	6.99E-01	3.87E-01	Unknown	3.87E-01
Pentachlorophenol	214	28	13.08	8.80E-02	8.58E-01	5.75E-01	1.80E+01	4.70E+00	1.28E+00	1.00E+00	8.08E-01	Unknown	8.08E-01
Pyrene	214	170	79.44	4.30E-02	2.83E+00	6.38E-01	7.20E+00	5.60E+01	7.40E+00	3.66E+00	3.20E+00	Unknown	3.20E+00
1,1,1-Trichloroethane	184	13	7.07	1.50E-03	2.47E-02	3.54E-03	4.50E-02	3.60E+00	2.65E-01	5.72E-02	5.39E-03	Unknown	5.39E-03
1,2-Dichloroethene (total)	182	15	8.24	2.00E-03	7.50E-02	4.44E-03	6.90E-01	9.00E+00	6.80E-01	1.59E-01	1.15E-02	Unknown	1.15E-02
Acetone	184	54	29.35	4.00E-03	1.24E-01	5.68E-02	1.40E+01	1.40E+00	5.28E-01	1.89E-01	1.02E-01	Unknown	1.02E-01
Benzene	184	14	7.61	1.00E-03	8.07E-03	3.47E-03	6.90E-01	5.90E-02	3.56E-02	1.24E-02	5.05E-03	Unknown	5.05E-03
Chlorobenzene	183	13	7.1	1.00E-03	1.04E-02	3.52E-03	6.70E-01	5.60E-01	4.99E-02	1.66E-02	5.59E-03	Unknown	5.59E-03
Ethyl benzene	182	23	12.64	3.00E-03	9.94E-02	4.57E-03	3.50E-02	5.50E+00	6.17E-01	1.75E-01	1.50E-02	Unknown	1.50E-02
Methyl ethyl ketone	184	15	8.15	2.00E-03	1.48E-01	6.31E-02	1.40E+01	8.40E-02	6.98E-01	2.34E-01	1.04E-01	Unknown	8.40E-02
Tetrachloroethene	184	47	25.54	1.00E-03	1.38E+00	4.80E-03	4.50E-02	2.50E+02	1.84E+01	3.63E+00	1.53E-02	Unknown	1.53E-02
Toluene	183	50	27.32	1.00E-03	5.82E-01	4.49E-03	3.50E-02	1.00E+02	7.40E+00	1.49E+00	1.33E-02	Unknown	1.33E-02
Total Xylenes	181	45	24.86	1.00E-03	6.56E-01	5.98E-03	3.50E-02	3.10E+01	3.89E+00	1.14E+00	6.69E-02	Unknown	6.69E-02
Trichloroethene	182	22	12.09	2.00E-03	7.44E-02	4.57E-03	6.70E-01	5.10E+00	5.40E-01	1.41E-01	1.21E-02	Unknown	1.21E-02
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
123478-HeCDD	54	2	3.7	4.50E-04	2.92E-04	9.47E-05	6.00E-03	4.60E-04	6.24E-04	4.35E-04	3.97E-04	Unknown	3.97E-04
123478-HeCDF	52	1	1.92	1.40E-03	1.52E-04	5.16E-05	2.80E-03	1.40E-03	3.00E-04	2.22E-04	2.25E-04	Unknown	2.25E-04
1234789-HpCDF	54	1	1.85	1.30E-03	1.84E-04	5.92E-05	3.30E-03	1.30E-03	3.62E-04	2.67E-04	2.88E-04	Unknown	2.88E-04
123678-HeCDF	52	1	1.92	1.50E-03	1.54E-04	5.17E-05	2.80E-03	1.50E-03	3.08E-04	2.26E-04	2.26E-04	Unknown	2.26E-04
12378-PeCDD	54	2	3.7	1.60E-04	2.26E-04	9.99E-05	7.40E-03	4.00E-04	5.13E-04	3.44E-04	2.87E-04	Unknown	2.87E-04
12378-PeCDF	54	1	1.85	1.30E-03	2.26E-04	4.92E-05	1.30E-02	1.30E-03	8.95E-04	4.31E-04	2.10E-04	Unknown	2.10E-04
123789-HeCDD	54	1	1.85	9.90E-04	2.52E-04	8.77E-05	4.90E-03	9.90E-04	4.81E-04	3.62E-04	3.57E-04	Unknown	3.57E-04
123789-HeCDF	54	0	0	0.00E+00	1.19E-04	4.64E-05	2.80E-03	0.00E+00	2.35E-04	1.73E-04	1.65E-04	Unknown	1.65E-04

TABLE 4.2-23A: MAINTENANCE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
234678-HeCDF	54	1	1.85	2.10E-03	1.55E-04	4.84E-05	2.80E-03	2.10E-03	3.59E-04	2.37E-04	2.00E-04	Unknown	2.00E-04
23478-PeCDF	54	1	1.85	1.40E-03	2.13E-04	4.65E-05	1.30E-02	1.40E-03	8.96E-04	4.19E-04	1.77E-04	Unknown	1.77E-04
2378-TCDD	54	1	1.85	3.00E-04	9.58E-05	2.77E-05	4.30E-03	3.00E-04	2.96E-04	1.64E-04	1.19E-04	Unknown	1.19E-04
2378-TCDF	54	1	1.85	5.50E-04	1.79E-04	8.01E-05	4.10E-03	5.50E-04	3.09E-04	2.50E-04	2.54E-04	Unknown	2.54E-04
Aroclor-1016	56	0	0	0.00E+00	1.09E-01	4.45E-02	2.00E+00	0.00E+00	1.98E-01	1.53E-01	1.44E-01	Unknown	1.44E-01
Aroclor-1221	56	0	0	0.00E+00	1.54E-01	7.81E-02	2.00E+00	0.00E+00	2.22E-01	2.04E-01	1.92E-01	Unknown	1.92E-01
Aroclor-1232	56	0	0	0.00E+00	1.12E-01	4.56E-02	2.00E+00	0.00E+00	1.99E-01	1.57E-01	1.50E-01	Unknown	1.50E-01
Aroclor-1248	56	1	1.79	4.00E+00	1.88E-01	4.85E-02	3.50E+00	4.00E+00	5.83E-01	3.20E-01	2.01E-01	Unknown	2.01E-01
Aroclor-1260	56	1	1.79	2.90E-01	1.52E-01	5.34E-02	3.50E+00	2.90E-01	3.17E-01	2.23E-01	1.93E-01	Unknown	1.93E-01
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	100	100	100	2.80E+00	1.70E+02	4.77E+01	NA	3.44E+03	4.06E+02	2.38E+02	2.40E+02	Unknown	2.40E+02
3-Methylcholanthrene	107	11	10.28	7.20E-02	3.32E-01	2.40E-01	6.10E+00	4.00E-01	4.77E-01	4.09E-01	3.24E-01	Unknown	3.24E-01
Acenaphthylene	220	28	12.73	3.60E-02	2.56E-01	1.86E-01	7.20E+00	2.70E-01	4.12E-01	3.02E-01	2.47E-01	Unknown	2.47E-01
Benzo[ghi]perylene	214	119	55.61	4.10E-02	1.22E+00	4.78E-01	7.20E+00	1.80E+01	2.44E+00	1.50E+00	1.30E+00	Unknown	1.30E+00
Phenanthrene	217	169	77.88	3.50E-02	1.84E+00	3.94E-01	6.10E+00	3.50E+01	4.90E+00	2.40E+00	1.94E+00	Unknown	1.94E+00

NA - Not Applicable

TABLE 4.2-23B: MAINTENANCE WORKER EXPOSURE UNIT - SCREENING OF COPCS IN SOIL FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
1234678-HpCDD	3.70E-05	YES	YES - COPC	
1234678-HpCDF	3.70E-05	YES	YES - COPC	
123678-HeCDD	3.70E-05	YES	YES - COPC	
OCDD	3.70E-05	YES	YES - COPC	
OCDF	3.70E-05	YES	YES - COPC	
Aluminum	2.00E+05	YES	no	YES - COPC
Arsenic	3.80E+00	YES	YES - COPC	
Barium	1.40E+04	YES	no	no - qual. COPC
Beryllium	4.10E+02	no - qual. COPC		
Cadmium	1.00E+02	YES	YES - COPC	
Chromium	1.00E+03	YES	no	YES - COPC
Cobalt	1.20E+04	no - qual. COPC		
Copper	8.20E+03	YES	no	YES - COPC
Cyanide, Total	4.10E+03	no - qual. COPC		
Iron	6.10E+04	YES	no	YES - COPC
Manganese	4.70E+03	YES	no	no - qual. COPC
Mercury	6.10E+01	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Selenium	1.00E+03	no - qual. COPC		
Silver	1.00E+03	no - qual. COPC		
Tin	1.20E+05	no - qual. COPC		
Vanadium	1.40E+03	no - qual. COPC		
Zinc	6.10E+04	YES	no	YES - COPC
4,4`-DDD	2.40E+01	no - qual. COPC		
4,4`-DDE	1.70E+01	no - qual. COPC		
4,4`-DDT	1.70E+01	no - qual. COPC		
Alpha-Chlordane	1.60E+01	no - qual. COPC		
Aroclor-1242	2.90E+00	no - qual. COPC		
Aroclor-1254	2.90E+00	YES	YES - COPC	
Dieldrin	3.60E-01	no - qual. COPC		
Gamma-Chlordane	1.60E+01	no - qual. COPC		
Technical chlordane	1.60E+01	no - qual. COPC		
2,3,4,6-Tetrachlorophenol	6.10E+03	no - qual. COPC		
2-Methylnaphthalene	8.20E+03	no - qual. COPC		
Acenaphthene	1.20E+04	no - qual. COPC		
Acetophenone	2.00E+04	no - qual. COPC		
Anthracene	6.10E+04	no - qual. COPC		
Benzo[a]anthracene	7.80E+00	YES	YES - COPC	
Benzo[a]pyrene	7.80E-01	YES	YES - COPC	

TABLE 4.2-23B: MAINTENANCE WORKER EXPOSURE UNIT - SCREENING OF COPCS IN SOIL FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Benzo[b]fluoranthene	7.80E+00	YES	YES - COPC	
Benzo[k]fluoranthene	7.80E+01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.10E+02	no - qual. COPC		
Butylbenzylphthalate	4.10E+04	no - qual. COPC		
Carbazole	2.90E+02	no - qual. COPC		
Chrysene	4.10E+03	no - qual. COPC		
Di-n-butylphthalate	2.00E+04	no - qual. COPC		
Di-n-octylphthalate	4.10E+03	no - qual. COPC		
Dibenz[a,h]anthracene	7.80E-01	YES	YES - COPC	
Dibenzofuran	8.20E+02	no - qual. COPC		
Diethyl phthalate	1.60E+05	no - qual. COPC		
Dimethylphthalate	2.00E+06	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Fluorene	8.20E+03	no - qual. COPC		
Indeno[1,2,3-cd]pyrene	7.80E+00	YES	YES - COPC	
Naphthalene	8.20E+03	no - qual. COPC		
Pentachlorophenol	4.80E+01	no - qual. COPC		
Pyrene	6.10E+03	no - qual. COPC		
1,1,1-Trichloroethane	4.10E+03	no - qual. COPC		
1,2-Dichloroethene (total)	1.80E+03	no - qual. COPC		
Acetone	2.00E+04	no - qual. COPC		
Benzene	2.00E+02	no - qual. COPC		
Chlorobenzene	4.10E+03	no - qual. COPC		
Ethyl benzene	2.00E+04	no - qual. COPC		
Methyl ethyl ketone	1.20E+05	no - qual. COPC		
Tetrachloroethene	1.10E+02	YES	YES - COPC	
Toluene	4.10E+04	no - qual. COPC		
Total Xylenes	4.10E+05	no - qual. COPC		
Trichloroethene	5.20E+02	no - qual. COPC		

TABLE 4.2-9A: FISHERPERSON EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/kg
1234678-HpCDD	13	2	15.38	5.30E-07	6.83E-07	2.10E-07	1.40E-06	5.70E-06	1.53E-06	1.44E-06	3.01E-06	Lognormal	3.01E-06
OCDD	13	5	38.46	1.20E-06	5.27E-06	8.29E-07	2.10E-06	5.00E-05	1.36E-05	1.20E-05	5.46E-05	Lognormal	5.00E-05
Aluminum	73	47	64.38	4.00E-02	3.70E+00	1.74E-01	4.72E-01	1.41E+02	2.07E+01	7.74E+00	1.08E+00	Unknown	1.08E+00
Arsenic	73	26	35.62	2.30E-03	5.17E-03	2.40E-03	9.80E-03	7.89E-02	1.30E-02	7.72E-03	4.37E-03	Unknown	4.37E-03
Barium	73	56	76.71	1.06E-02	6.54E-02	1.87E-02	1.57E-02	1.28E+00	1.91E-01	1.03E-01	7.16E-02	Unknown	7.16E-02
Cadmium	73	7	9.59	3.20E-03	2.81E-03	2.04E-03	2.35E-02	3.18E-02	4.34E-03	3.66E-03	2.80E-03	Unknown	2.80E-03
Chromium	73	21	28.77	6.30E-03	5.77E-02	5.11E-03	3.05E-02	3.23E+00	3.80E-01	1.32E-01	1.72E-02	Unknown	1.72E-02
Copper	73	54	73.97	3.10E-03	1.20E-01	1.08E-02	2.35E-02	6.49E+00	7.65E-01	2.70E-01	4.99E-02	Unknown	4.99E-02
Cyanide, Total	40	4	10	5.00E-04	2.85E-03	9.84E-04	4.40E-03	3.85E-02	7.20E-03	4.78E-03	4.15E-03	Unknown	4.15E-03
Iron	73	69	94.52	1.24E-01	1.21E+01	8.45E-01	2.07E-01	3.33E+02	5.01E+01	2.19E+01	1.37E+01	Unknown	1.37E+01
Manganese	73	73	100	6.70E-03	8.31E-01	1.78E-01	NA	1.55E+01	2.43E+00	1.31E+00	1.34E+00	Unknown	1.34E+00
Nickel	73	16	21.92	1.14E-02	2.49E-02	8.20E-03	4.60E-02	8.28E-01	1.04E-01	4.51E-02	1.56E-02	Unknown	1.56E-02
Selenium	73	4	5.48	4.60E-03	1.72E-03	1.35E-03	4.30E-03	1.46E-02	2.15E-03	2.14E-03	1.76E-03	Unknown	1.76E-03
Thallium	73	6	8.22	5.90E-03	2.65E-03	2.41E-03	6.70E-03	8.30E-03	1.42E-03	2.93E-03	2.85E-03	Unknown	2.85E-03
Vanadium	73	5	6.85	2.01E-02	1.72E-02	5.48E-03	3.08E-02	4.71E-01	6.37E-02	2.96E-02	1.41E-02	Unknown	1.41E-02
Zinc	73	47	64.38	1.00E-02	3.09E-01	3.16E-02	3.28E-02	1.24E+01	1.53E+00	6.08E-01	2.87E-01	Unknown	2.87E-01
Benzo[a]anthracene	44	4	9.09	1.00E-03	5.63E-03	5.18E-03	1.20E-02	2.30E-02	3.22E-03	6.44E-03	6.19E-03	Unknown	6.19E-03
Benzo[a]pyrene	44	4	9.09	2.00E-03	6.06E-03	5.40E-03	1.20E-02	2.90E-02	4.69E-03	7.25E-03	6.49E-03	Unknown	6.49E-03
Benzo[b]fluoranthene	44	4	9.09	1.00E-02	7.31E-03	5.82E-03	1.20E-02	4.80E-02	9.01E-03	9.59E-03	7.61E-03	Unknown	7.61E-03
Benzo[ghi]perylene	44	4	9.09	2.00E-03	5.53E-03	5.26E-03	1.20E-02	1.70E-02	2.40E-03	6.14E-03	5.93E-03	Unknown	5.93E-03
Benzo[k]fluoranthene	44	4	9.09	5.00E-03	5.63E-03	5.40E-03	1.20E-02	1.50E-02	2.21E-03	6.19E-03	5.95E-03	Unknown	5.95E-03
Bis(2-Ethylhexyl)phthalate	44	4	9.09	2.00E-03	4.94E-03	4.87E-03	1.20E-02	8.00E-03	7.94E-04	5.14E-03	5.21E-03	Unknown	5.21E-03
Carbazole	44	3	6.82	2.00E-03	4.92E-03	4.87E-03	1.20E-02	4.00E-03	6.09E-04	5.08E-03	5.15E-03	Unknown	4.00E-03
Chrysene	44	4	9.09	3.00E-03	6.49E-03	5.55E-03	1.20E-02	3.60E-02	6.27E-03	8.08E-03	6.87E-03	Unknown	6.87E-03
Fluoranthene	44	7	15.91	1.00E-03	7.31E-03	5.27E-03	1.20E-02	6.10E-02	1.06E-02	9.99E-03	8.03E-03	Unknown	8.03E-03
Indeno[1,2,3-cd]pyrene	44	4	9.09	2.00E-03	5.63E-03	5.28E-03	1.20E-02	1.90E-02	2.80E-03	6.34E-03	6.04E-03	Unknown	6.04E-03
Phenanthrene	44	4	9.09	2.00E-03	6.03E-03	5.40E-03	1.20E-02	2.80E-02	4.50E-03	7.18E-03	6.48E-03	Unknown	6.48E-03
Pyrene	44	6	13.64	1.00E-03	7.31E-03	5.35E-03	1.20E-02	6.10E-02	1.04E-02	9.94E-03	7.99E-03	Unknown	7.99E-03
Acetone	61	14	22.95	6.00E-03	4.66E-02	3.84E-02	1.00E-01	1.60E-01	2.46E-02	5.18E-02	6.19E-02	Unknown	6.19E-02
Bromodichloromethane	61	10	16.39	1.00E-03	2.68E-03	2.58E-03	5.00E-03	8.00E-03	9.18E-04	2.88E-03	2.82E-03	Unknown	2.82E-03
Chloroform	61	21	34.43	1.00E-03	5.00E-03	3.35E-03	5.00E-03	4.00E-02	7.12E-03	6.52E-03	5.29E-03	Unknown	5.29E-03
Tetrachloroethene	61	7	11.48	1.00E-03	2.64E-03	2.56E-03	5.00E-03	6.00E-03	7.59E-04	2.80E-03	2.77E-03	Unknown	2.77E-03
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDF	13	0	0	0.00E+00	1.55E-07	1.08E-07	8.70E-07	0.00E+00	1.30E-07	2.19E-07	3.40E-07	Normal/Lognormal	3.40E-07
123478-HeCDD	13	0	0	0.00E+00	2.80E-07	1.83E-07	2.20E-06	0.00E+00	2.89E-07	4.23E-07	6.49E-07	Lognormal	6.49E-07
123478-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
1234789-HpCDF	13	0	0	0.00E+00	1.38E-07	1.02E-07	6.50E-07	0.00E+00	1.01E-07	1.88E-07	2.77E-07	Normal/Lognormal	2.77E-07
123678-HeCDD	13	0	0	0.00E+00	2.80E-07	1.83E-07	2.20E-06	0.00E+00	2.89E-07	4.23E-07	6.49E-07	Lognormal	6.49E-07
123678-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
12378-PeCDD	13	0	0	0.00E+00	5.04E-07	3.64E-07	2.00E-06	0.00E+00	3.58E-07	6.81E-07	1.09E-06	Normal/Lognormal	1.09E-06

TABLE 4.2-9A: FISHERPERSON EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/kg
12378-PeCDF	13	0	0	0.00E+00	1.49E-07	1.13E-07	9.40E-07	0.00E+00	1.24E-07	2.10E-07	2.58E-07	Lognormal	2.58E-07
123789-HeCDD	13	0	0	0.00E+00	2.80E-07	1.83E-07	2.20E-06	0.00E+00	2.89E-07	4.23E-07	6.49E-07	Lognormal	6.49E-07
123789-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
234678-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
23478-PeCDF	13	0	0	0.00E+00	1.49E-07	1.13E-07	9.40E-07	0.00E+00	1.24E-07	2.10E-07	2.58E-07	Lognormal	2.58E-07
2378-TCDD	13	0	0	0.00E+00	5.67E-08	4.96E-08	3.10E-07	0.00E+00	3.64E-08	7.46E-08	7.57E-08	Lognormal	7.57E-08
2378-TCDF	13	0	0	0.00E+00	2.55E-07	2.23E-07	1.50E-06	0.00E+00	1.71E-07	3.40E-07	3.37E-07	Unknown	3.37E-07
OCDF	13	0	0	0.00E+00	4.20E-07	2.79E-07	2.50E-06	0.00E+00	3.94E-07	6.15E-07	9.54E-07	Lognormal	9.54E-07
Dibenz[a,h]anthracene	44	1	2.27	4.00E-03	5.03E-03	5.03E-03	1.20E-02	4.00E-03	2.73E-04	5.10E-03	5.10E-03	Unknown	4.00E-03
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	73	33	45.21	1.40E-03	4.04E-02	2.45E-03	5.40E-03	1.41E+00	2.11E-01	8.16E-02	1.64E-02	Unknown	1.64E-02

NA - Not Applicable

TABLE 4.2-9B: FISHERPERSON EXPOSURE UNIT - SCREENING OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	CT Water Quality Std., Organisms mg/L	Human Health, Fish Only Federal AWQC mg/L	Tap Water Screening Criteria mg/L	Is Maximum Detect or Maximum SQL > CT WQS?	Is Maximum Detect or Maximum SQL > Fed. AWQC?	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is the Maxiumum Detected > AWQC?
1234678-HpCDD	1.40E-11		4.50E-10	YES			YES - COPC	
OCDD	1.40E-11		4.50E-10	YES			YES - COPC	
Aluminum			3.70E+00			YES	YES - COPC	
Arsenic	1.40E-04	1.40E-04	4.50E-05	YES	YES	YES	YES - COPC	
Barium			2.60E-01			YES	YES - COPC	
Cadmium	1.70E-01		1.80E-03	no - qual. COPC				
Chromium	3.40E+00		1.80E-02	no - qual. COPC				
Copper			1.50E-01			YES	YES - COPC	
Cyanide, Total	2.20E+02	2.20E+02	7.30E-02	no - qual. COPC				
Iron			1.10E+00			YES	YES - COPC	
Manganese			8.40E-02			YES	no	YES - COPC
Nickel	4.60E+00	4.60E+00	7.30E-02	no - qual. COPC				
Selenium	6.80E+00		1.80E-01	no - qual. COPC				
Thallium	6.30E-03	6.30E-03		YES	YES		YES - COPC	
Vanadium			2.60E-02			YES	YES - COPC	
Zinc			1.10E+00			YES	YES - COPC	
Benzo[a]anthracene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Benzo[a]pyrene	3.10E-05	3.10E-05	9.20E-06	YES	YES	YES	YES - COPC	
Benzo[b]fluoranthene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Benzo[ghi]perylene	3.10E-05			YES			YES - COPC	
Benzo[k]fluoranthene	3.10E-05	3.10E-05	9.20E-04	YES	YES	YES	YES - COPC	
Bis(2-Ethylhexyl)phthalate	5.90E-03		4.80E-03	YES		YES	no	YES - COPC
Carbazole			3.40E-03			YES	no	YES - COPC
Chrysene	3.10E-05	3.10E-05	9.20E-03	YES	YES	YES	YES - COPC	
Fluoranthene	3.70E-01	3.70E-01	1.50E-01	no - qual. COPC				
Indeno[1,2,3-cd]pyrene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Phenanthrene	3.10E-05			YES			YES - COPC	
Pyrene	1.10E+01	1.10E+01	1.10E-01	no - qual. COPC				
Acetone			3.70E-01			no - qual. COPC		
Bromodichloromethane	2.20E-02	2.20E-02	1.70E-04	no - qual. COPC				
Chloroform	4.70E-01	4.70E-01	1.50E-04	no - qual. COPC				
Tetrachloroethene	8.85E-03	8.85E-03	1.10E-03	no - qual. COPC				

TABLE 4.2-15A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/kg
1234678-HpCDD	13	2	15.38	5.30E-07	6.83E-07	2.10E-07	1.40E-06	5.70E-06	1.53E-06	1.44E-06	3.01E-06	Lognormal	3.01E-06
OCDD	13	5	38.46	1.20E-06	5.27E-06	8.29E-07	2.10E-06	5.00E-05	1.36E-05	1.20E-05	5.46E-05	Lognormal	5.00E-05
Aluminum	73	47	64.38	4.00E-02	3.70E+00	1.74E-01	4.72E-01	1.41E+02	2.07E+01	7.74E+00	1.08E+00	Unknown	1.08E+00
Arsenic	73	26	35.62	2.30E-03	5.17E-03	2.40E-03	9.80E-03	7.89E-02	1.30E-02	7.72E-03	4.37E-03	Unknown	4.37E-03
Barium	73	56	76.71	1.06E-02	6.54E-02	1.87E-02	1.57E-02	1.28E+00	1.91E-01	1.03E-01	7.16E-02	Unknown	7.16E-02
Cadmium	73	7	9.59	3.20E-03	2.81E-03	2.04E-03	2.35E-02	3.18E-02	4.34E-03	3.66E-03	2.80E-03	Unknown	2.80E-03
Chromium	73	21	28.77	6.30E-03	5.77E-02	5.11E-03	3.05E-02	3.23E+00	3.80E-01	1.32E-01	1.72E-02	Unknown	1.72E-02
Copper	73	54	73.97	3.10E-03	1.20E-01	1.08E-02	2.35E-02	6.49E+00	7.65E-01	2.70E-01	4.99E-02	Unknown	4.99E-02
Cyanide, Total	40	4	10	5.00E-04	2.85E-03	9.84E-04	4.40E-03	3.85E-02	7.20E-03	4.78E-03	4.15E-03	Unknown	4.15E-03
Iron	73	69	94.52	1.24E-01	1.21E+01	8.45E-01	2.07E-01	3.33E+02	5.01E+01	2.19E+01	1.37E+01	Unknown	1.37E+01
Manganese	73	73	100	6.70E-03	8.31E-01	1.78E-01	NA	1.55E+01	2.43E+00	1.31E+00	1.34E+00	Unknown	1.34E+00
Nickel	73	16	21.92	1.14E-02	2.49E-02	8.20E-03	4.60E-02	8.28E-01	1.04E-01	4.51E-02	1.56E-02	Unknown	1.56E-02
Selenium	73	4	5.48	4.60E-03	1.72E-03	1.35E-03	4.30E-03	1.46E-02	2.15E-03	2.14E-03	1.76E-03	Unknown	1.76E-03
Thallium	73	6	8.22	5.90E-03	2.65E-03	2.41E-03	6.70E-03	8.30E-03	1.42E-03	2.93E-03	2.85E-03	Unknown	2.85E-03
Vanadium	73	5	6.85	2.01E-02	1.72E-02	5.48E-03	3.08E-02	4.71E-01	6.37E-02	2.96E-02	1.41E-02	Unknown	1.41E-02
Zinc	73	47	64.38	1.00E-02	3.09E-01	3.16E-02	3.28E-02	1.24E+01	1.53E+00	6.08E-01	2.87E-01	Unknown	2.87E-01
Benzo[a]anthracene	44	4	9.09	1.00E-03	5.63E-03	5.18E-03	1.20E-02	2.30E-02	3.22E-03	6.44E-03	6.19E-03	Unknown	6.19E-03
Benzo[a]pyrene	44	4	9.09	2.00E-03	6.06E-03	5.40E-03	1.20E-02	2.90E-02	4.69E-03	7.25E-03	6.49E-03	Unknown	6.49E-03
Benzo[b]fluoranthene	44	4	9.09	1.00E-02	7.31E-03	5.82E-03	1.20E-02	4.80E-02	9.01E-03	9.59E-03	7.61E-03	Unknown	7.61E-03
Benzo[ghi]perylene	44	4	9.09	2.00E-03	5.53E-03	5.26E-03	1.20E-02	1.70E-02	2.40E-03	6.14E-03	5.93E-03	Unknown	5.93E-03
Benzo[k]fluoranthene	44	4	9.09	5.00E-03	5.63E-03	5.40E-03	1.20E-02	1.50E-02	2.21E-03	6.19E-03	5.95E-03	Unknown	5.95E-03
Bis(2-Ethylhexyl)phthalate	44	4	9.09	2.00E-03	4.94E-03	4.87E-03	1.20E-02	8.00E-03	7.94E-04	5.14E-03	5.21E-03	Unknown	5.21E-03
Carbazole	44	3	6.82	2.00E-03	4.92E-03	4.87E-03	1.20E-02	4.00E-03	6.09E-04	5.08E-03	5.15E-03	Unknown	4.00E-03
Chrysene	44	4	9.09	3.00E-03	6.49E-03	5.55E-03	1.20E-02	3.60E-02	6.27E-03	8.08E-03	6.87E-03	Unknown	6.87E-03
Fluoranthene	44	7	15.91	1.00E-03	7.31E-03	5.27E-03	1.20E-02	6.10E-02	1.06E-02	9.99E-03	8.03E-03	Unknown	8.03E-03
Indeno[1,2,3-cd]pyrene	44	4	9.09	2.00E-03	5.63E-03	5.28E-03	1.20E-02	1.90E-02	2.80E-03	6.34E-03	6.04E-03	Unknown	6.04E-03
Phenanthrene	44	4	9.09	2.00E-03	6.03E-03	5.40E-03	1.20E-02	2.80E-02	4.50E-03	7.18E-03	6.48E-03	Unknown	6.48E-03
Pyrene	44	6	13.64	1.00E-03	7.31E-03	5.35E-03	1.20E-02	6.10E-02	1.04E-02	9.94E-03	7.99E-03	Unknown	7.99E-03
Acetone	61	14	22.95	6.00E-03	4.66E-02	3.84E-02	1.00E-01	1.60E-01	2.46E-02	5.18E-02	6.19E-02	Unknown	6.19E-02
Bromodichloromethane	61	10	16.39	1.00E-03	2.68E-03	2.58E-03	5.00E-03	8.00E-03	9.18E-04	2.88E-03	2.82E-03	Unknown	2.82E-03
Chloroform	61	21	34.43	1.00E-03	5.00E-03	3.35E-03	5.00E-03	4.00E-02	7.12E-03	6.52E-03	5.29E-03	Unknown	5.29E-03
Tetrachloroethene	61	7	11.48	1.00E-03	2.64E-03	2.56E-03	5.00E-03	6.00E-03	7.59E-04	2.80E-03	2.77E-03	Unknown	2.77E-03
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDF	13	0	0	0.00E+00	1.55E-07	1.08E-07	8.70E-07	0.00E+00	1.30E-07	2.19E-07	3.40E-07	Normal/Lognormal	3.40E-07
123478-HeCDD	13	0	0	0.00E+00	2.80E-07	1.83E-07	2.20E-06	0.00E+00	2.89E-07	4.23E-07	6.49E-07	Lognormal	6.49E-07
123478-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
1234789-HpCDF	13	0	0	0.00E+00	1.38E-07	1.02E-07	6.50E-07	0.00E+00	1.01E-07	1.88E-07	2.77E-07	Normal/Lognormal	2.77E-07
123678-HeCDD	13	0	0	0.00E+00	2.80E-07	1.83E-07	2.20E-06	0.00E+00	2.89E-07	4.23E-07	6.49E-07	Lognormal	6.49E-07
123678-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
12378-PeCDD	13	0	0	0.00E+00	5.04E-07	3.64E-07	2.00E-06	0.00E+00	3.58E-07	6.81E-07	1.09E-06	Normal/Lognormal	1.09E-06

TABLE 4.2-15A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/kg
12378-PeCDF	13	0	0	0.00E+00	1.49E-07	1.13E-07	9.40E-07	0.00E+00	1.24E-07	2.10E-07	2.58E-07	Lognormal	2.58E-07
123789-HeCDD	13	0	0	0.00E+00	2.80E-07	1.83E-07	2.20E-06	0.00E+00	2.89E-07	4.23E-07	6.49E-07	Lognormal	6.49E-07
123789-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
234678-HeCDF	13	0	0	0.00E+00	1.79E-07	1.19E-07	1.40E-06	0.00E+00	1.86E-07	2.70E-07	3.81E-07	Lognormal	3.81E-07
23478-PeCDF	13	0	0	0.00E+00	1.49E-07	1.13E-07	9.40E-07	0.00E+00	1.24E-07	2.10E-07	2.58E-07	Lognormal	2.58E-07
2378-TCDD	13	0	0	0.00E+00	5.67E-08	4.96E-08	3.10E-07	0.00E+00	3.64E-08	7.46E-08	7.57E-08	Lognormal	7.57E-08
2378-TCDF	13	0	0	0.00E+00	2.55E-07	2.23E-07	1.50E-06	0.00E+00	1.71E-07	3.40E-07	3.37E-07	Unknown	3.37E-07
OCDF	13	0	0	0.00E+00	4.20E-07	2.79E-07	2.50E-06	0.00E+00	3.94E-07	6.15E-07	9.54E-07	Lognormal	9.54E-07
Dibenz[a,h]anthracene	44	1	2.27	4.00E-03	5.03E-03	5.03E-03	1.20E-02	4.00E-03	2.73E-04	5.10E-03	5.10E-03	Unknown	4.00E-03
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	73	33	45.21	1.40E-03	4.04E-02	2.45E-03	5.40E-03	1.41E+00	2.11E-01	8.16E-02	1.64E-02	Unknown	1.64E-02

NA - Not Applicable

TABLE 4.2-15B: TRESPASSER EXPOSURE UNIT - SCREENING OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	CT Water Quality Std., Organisms mg/L	Human Health, Fish Only Federal AWQC mg/L	Tap Water Screening Criteria mg/L	Is Maximum Detect or Maximum SQL > CT WQS?	Is Maximum Detect or Maximum SQL > Fed. AWQC?	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is the Maxiumum Detected > AWQC?
1234678-HpCDD	1.40E-11		4.50E-10	YES			YES - COPC	
OCDD	1.40E-11		4.50E-10	YES			YES - COPC	
Aluminum			3.70E+00			YES	YES - COPC	
Arsenic	1.40E-04	1.40E-04	4.50E-05	YES	YES	YES	YES - COPC	
Barium			2.60E-01			YES	YES - COPC	
Cadmium	1.70E-01		1.80E-03	no - qual. COPC				
Chromium	3.40E+00		1.80E-02	no - qual. COPC				
Copper			1.50E-01			YES	YES - COPC	
Cyanide, Total	2.20E+02	2.20E+02	7.30E-02	no - qual. COPC				
Iron			1.10E+00			YES	YES - COPC	
Manganese			8.40E-02			YES	no	YES - COPC
Nickel	4.60E+00	4.60E+00	7.30E-02	no - qual. COPC				
Selenium	6.80E+00		1.80E-01	no - qual. COPC				
Thallium	6.30E-03	6.30E-03		YES	YES		YES - COPC	
Vanadium			2.60E-02			YES	YES - COPC	
Zinc			1.10E+00			YES	YES - COPC	
Benzo[a]anthracene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Benzo[a]pyrene	3.10E-05	3.10E-05	9.20E-06	YES	YES	YES	YES - COPC	
Benzo[b]fluoranthene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Benzo[ghi]perylene	3.10E-05			YES			YES - COPC	
Benzo[k]fluoranthene	3.10E-05	3.10E-05	9.20E-04	YES	YES	YES	YES - COPC	
Bis(2-Ethylhexyl)phthalate	5.90E-03		4.80E-03	YES		YES	no	YES - COPC
Carbazole			3.40E-03			YES	no	YES - COPC
Chrysene	3.10E-05	3.10E-05	9.20E-03	YES	YES	YES	YES - COPC	
Fluoranthene	3.70E-01	3.70E-01	1.50E-01	no - qual. COPC				
Indeno[1,2,3-cd]pyrene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Phenanthrene	3.10E-05			YES			YES - COPC	
Pyrene	1.10E+01	1.10E+01	1.10E-01	no - qual. COPC				
Acetone			3.70E-01			no - qual. COPC		
Bromodichloromethane	2.20E-02	2.20E-02	1.70E-04	no - qual. COPC				
Chloroform	4.70E-01	4.70E-01	1.50E-04	no - qual. COPC				
Tetrachloroethene	8.85E-03	8.85E-03	1.10E-03	no - qual. COPC				

TABLE 4.2-27A: MAINTENANCE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/L
1234678-HpCDD	6	2	33.33	5.30E-07	1.24E-06	4.32E-07	1.40E-06	5.70E-06	2.20E-06	3.05E-06	7.56E-05	Lognormal	5.70E-06
OCDD	6	4	66.67	1.20E-06	1.05E-05	2.27E-06	7.70E-07	5.00E-05	1.95E-05	2.66E-05	2.62E-02	Lognormal	5.00E-05
Aluminum	47	26	55.32	6.06E-02	5.58E+00	1.63E-01	4.72E-01	1.41E+02	2.57E+01	1.19E+01	2.44E+00	Unknown	2.44E+00
Arsenic	47	15	31.91	2.30E-03	6.64E-03	2.51E-03	9.80E-03	7.89E-02	1.61E-02	1.06E-02	5.99E-03	Unknown	5.99E-03
Barium	47	39	82.98	1.06E-02	9.00E-02	2.19E-02	1.57E-02	1.28E+00	2.35E-01	1.48E-01	1.28E-01	Unknown	1.28E-01
Cadmium	47	6	12.77	3.20E-03	3.22E-03	2.13E-03	2.35E-02	3.18E-02	5.33E-03	4.53E-03	3.32E-03	Unknown	3.32E-03
Chromium	47	16	34.04	6.30E-03	8.60E-02	5.69E-03	3.05E-02	3.23E+00	4.73E-01	2.02E-01	3.20E-02	Unknown	3.20E-02
Cobalt	47	3	6.38	5.80E-03	9.33E-03	3.17E-03	2.15E-02	1.59E-01	3.13E-02	1.70E-02	6.14E-03	Unknown	6.14E-03
Copper	47	33	70.21	3.10E-03	1.73E-01	9.64E-03	2.35E-02	6.49E+00	9.53E-01	4.08E-01	7.00E-02	Unknown	7.00E-02
Cyanide, Total	22	3	13.64	1.20E-03	4.21E-03	1.22E-03	4.40E-03	3.85E-02	9.55E-03	7.71E-03	1.01E-02	Unknown	1.01E-02
Iron	47	42	89.36	3.66E-02	1.81E+01	7.91E-01	2.07E-01	3.33E+02	6.18E+01	3.33E+01	1.06E+02	Lognormal	1.06E+02
Manganese	47	46	97.87	6.70E-03	1.04E+00	1.50E-01	5.10E-03	1.55E+01	2.99E+00	1.77E+00	3.19E+00	Lognormal	3.19E+00
Nickel	47	14	29.79	1.14E-02	3.50E-02	9.62E-03	4.60E-02	8.28E-01	1.29E-01	6.66E-02	2.51E-02	Unknown	2.51E-02
Selenium	47	4	8.51	4.60E-03	1.92E-03	1.39E-03	4.30E-03	1.46E-02	2.65E-03	2.57E-03	2.03E-03	Unknown	2.03E-03
Thallium	47	4	8.51	6.00E-03	2.64E-03	2.39E-03	6.70E-03	7.50E-03	1.42E-03	2.99E-03	2.92E-03	Unknown	2.92E-03
Vanadium	47	5	10.64	2.01E-02	2.34E-02	6.17E-03	3.08E-02	4.71E-01	7.89E-02	4.28E-02	2.22E-02	Unknown	2.22E-02
Zinc	47	35	74.47	1.00E-02	4.65E-01	5.10E-02	3.28E-02	1.24E+01	1.89E+00	9.30E-01	6.93E-01	Lognormal	6.93E-01
1,2,4-Trichlorobenzene	27	2	7.41	1.00E-03	4.83E-03	4.63E-03	1.20E-02	2.00E-03	1.01E-03	5.16E-03	5.62E-03	Unknown	2.00E-03
Anthracene	27	2	7.41	2.00E-03	4.94E-03	4.88E-03	1.20E-02	4.00E-03	6.84E-04	5.17E-03	5.30E-03	Unknown	4.00E-03
Benzo[a]anthracene	27	4	14.81	1.00E-03	6.02E-03	5.29E-03	1.20E-02	2.30E-02	4.09E-03	7.36E-03	7.20E-03	Unknown	7.20E-03
Benzo[a]pyrene	27	4	14.81	2.00E-03	6.72E-03	5.67E-03	1.20E-02	2.90E-02	5.94E-03	8.67E-03	7.74E-03	Unknown	7.74E-03
Benzo[b]fluoranthene	27	4	14.81	1.00E-02	8.76E-03	6.40E-03	1.20E-02	4.80E-02	1.13E-02	1.25E-02	1.00E-02	Unknown	1.00E-02
Benzo[ghi]perylene	27	4	14.81	2.00E-03	5.87E-03	5.42E-03	1.20E-02	1.70E-02	3.03E-03	6.87E-03	6.64E-03	Unknown	6.64E-03
Benzo[k]fluoranthene	27	4	14.81	5.00E-03	6.02E-03	5.66E-03	1.20E-02	1.50E-02	2.77E-03	6.93E-03	6.65E-03	Unknown	6.65E-03
Bis(2-Ethylhexyl)phthalate	27	3	11.11	3.00E-03	5.02E-03	4.95E-03	1.20E-02	8.00E-03	8.38E-04	5.29E-03	5.33E-03	Unknown	5.33E-03
Carbazole	27	3	11.11	2.00E-03	4.87E-03	4.78E-03	1.20E-02	4.00E-03	7.79E-04	5.13E-03	5.27E-03	Unknown	4.00E-03
Chrysene	27	4	14.81	3.00E-03	7.43E-03	5.93E-03	1.20E-02	3.60E-02	7.91E-03	1.00E-02	8.48E-03	Unknown	8.48E-03
Fluoranthene	27	5	18.52	2.00E-03	9.06E-03	6.14E-03	1.20E-02	6.10E-02	1.32E-02	1.34E-02	1.05E-02	Unknown	1.05E-02
Fluorene	27	2	7.41	1.00E-03	4.83E-03	4.63E-03	1.20E-02	2.00E-03	1.01E-03	5.16E-03	5.62E-03	Unknown	2.00E-03
Indeno[1,2,3-cd]pyrene	27	4	14.81	2.00E-03	6.02E-03	5.47E-03	1.20E-02	1.90E-02	3.55E-03	7.18E-03	6.85E-03	Unknown	6.85E-03
Phenanthrene	27	4	14.81	2.00E-03	6.69E-03	5.68E-03	1.20E-02	2.80E-02	5.69E-03	8.55E-03	7.71E-03	Unknown	7.71E-03
Pyrene	27	5	18.52	1.00E-03	8.91E-03	5.93E-03	1.20E-02	6.10E-02	1.31E-02	1.32E-02	1.08E-02	Unknown	1.08E-02
Acetone	38	10	26.32	6.00E-03	4.91E-02	4.08E-02	1.00E-01	1.60E-01	2.82E-02	5.68E-02	6.72E-02	Unknown	6.72E-02
Bromodichloromethane	38	10	26.32	1.00E-03	2.79E-03	2.64E-03	5.00E-03	8.00E-03	1.15E-03	3.11E-03	3.05E-03	Unknown	3.05E-03
Chlorobenzene	38	2	5.26	1.00E-03	2.53E-03	2.49E-03	5.00E-03	5.00E-03	4.79E-04	2.66E-03	2.67E-03	Unknown	2.67E-03
Chlorodibromomethane	38	2	5.26	2.00E-03	2.50E-03	2.50E-03	5.00E-03	3.00E-03	1.16E-04	2.53E-03	2.53E-03	Unknown	2.53E-03
Chloroform	38	20	52.63	1.00E-03	6.53E-03	4.05E-03	5.00E-03	4.00E-02	8.71E-03	8.92E-03	8.03E-03	Unknown	8.03E-03
Methyl ethyl ketone	38	3	7.89	7.00E-03	4.68E-02	4.36E-02	1.00E-01	1.10E-02	1.12E-02	4.99E-02	5.66E-02	Unknown	1.10E-02
Tetrachloroethene	38	7	18.42	1.00E-03	3.51E-03	2.76E-03	5.00E-03	3.20E-02	4.91E-03	4.86E-03	3.70E-03	Unknown	3.70E-03
Total Xylenes	38	3	7.89	2.00E-03	2.49E-03	2.48E-03	5.00E-03	3.00E-03	1.42E-04	2.53E-03	2.53E-03	Unknown	2.53E-03

TABLE 4.2-27A: MAINTENANCE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/L	Mean mg/L	Logarithmic Mean mg/L	Maximum SQL mg/L	Maximum Detected mg/L	Standard Deviation mg/L	95% UCL mg/L	Log 95% UCL mg/L	Distribution 99% Confidence	Exposure Point Concentration mg/L
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDF	6	0	0	0.00E+00	1.90E-07	1.56E-07	8.70E-07	0.00E+00	1.33E-07	3.00E-07	5.17E-07	Normal/Lognormal	5.17E-07
123478-HeCDD	6	0	0	0.00E+00	3.53E-07	2.52E-07	2.20E-06	0.00E+00	3.73E-07	6.60E-07	1.39E-06	Lognormal	1.39E-06
123478-HeCDF	6	0	0	0.00E+00	2.26E-07	1.59E-07	1.40E-06	0.00E+00	2.40E-07	4.23E-07	9.54E-07	Normal/Lognormal	9.54E-07
1234789-HpCDF	6	0	0	0.00E+00	1.53E-07	1.38E-07	4.20E-07	0.00E+00	6.43E-08	2.05E-07	2.90E-07	Normal/Lognormal	2.90E-07
123678-HeCDD	6	0	0	0.00E+00	3.53E-07	2.52E-07	2.20E-06	0.00E+00	3.73E-07	6.60E-07	1.39E-06	Lognormal	1.39E-06
123678-HeCDF	6	0	0	0.00E+00	2.26E-07	1.59E-07	1.40E-06	0.00E+00	2.40E-07	4.23E-07	9.54E-07	Normal/Lognormal	9.54E-07
12378-PeCDD	6	0	0	0.00E+00	5.63E-07	4.51E-07	1.80E-06	0.00E+00	3.25E-07	8.30E-07	2.26E-06	Normal/Lognormal	1.80E-06
12378-PeCDF	6	0	0	0.00E+00	1.90E-07	1.50E-07	9.40E-07	0.00E+00	1.52E-07	3.15E-07	5.72E-07	Normal/Lognormal	5.72E-07
123789-HeCDD	6	0	0	0.00E+00	3.53E-07	2.52E-07	2.20E-06	0.00E+00	3.73E-07	6.60E-07	1.39E-06	Lognormal	1.39E-06
123789-HeCDF	6	0	0	0.00E+00	2.26E-07	1.59E-07	1.40E-06	0.00E+00	2.40E-07	4.23E-07	9.54E-07	Normal/Lognormal	9.54E-07
234678-HeCDF	6	0	0	0.00E+00	2.26E-07	1.59E-07	1.40E-06	0.00E+00	2.40E-07	4.23E-07	9.54E-07	Normal/Lognormal	9.54E-07
23478-PeCDF	6	0	0	0.00E+00	1.90E-07	1.50E-07	9.40E-07	0.00E+00	1.52E-07	3.15E-07	5.72E-07	Normal/Lognormal	5.72E-07
2378-TCDD	6	0	0	0.00E+00	6.22E-08	5.27E-08	3.10E-07	0.00E+00	4.65E-08	1.00E-07	1.28E-07	Lognormal	1.28E-07
2378-TCDF	6	0	0	0.00E+00	2.90E-07	2.45E-07	1.50E-06	0.00E+00	2.27E-07	4.77E-07	5.81E-07	Lognormal	5.81E-07
OCDF	6	0	0	0.00E+00	4.71E-07	3.71E-07	2.50E-06	0.00E+00	3.97E-07	7.98E-07	1.42E-06	Normal/Lognormal	1.42E-06
Dibenz[a,h]anthracene	27	1	3.7	4.00E-03	5.06E-03	5.04E-03	1.20E-02	4.00E-03	3.49E-04	5.17E-03	5.17E-03	Unknown	4.00E-03
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	47	23	48.94	1.40E-03	6.09E-02	2.76E-03	1.80E-03	1.41E+00	2.61E-01	1.25E-01	4.24E-02	Unknown	4.24E-02

TABLE 4.2-27B: MAINTENANCE WORKER EXPOSURE UNIT - SCREENING OF COPCS IN SURFACE WATER

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	CT Water Quality Std., Organisms mg/L	Human Health, Fish Only Federal AWQC mg/L	Tap Water Screening Criteria mg/L	Is Maximum Detect or Maximum SQL > CT WQS?	Is Maximum Detect or Maximum SQL > Fed. AWQC?	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is the Maxiumum Detected > AWQC?
1234678-HpCDD	1.40E-11		4.50E-10	YES	YES	YES	YES - COPC	
OCDD	1.40E-11		4.50E-10	YES	YES	YES	YES - COPC	
Aluminum			3.70E+00			YES	YES - COPC	
Arsenic	1.40E-04	1.40E-04	4.50E-05	YES	YES	YES	YES - COPC	
Barium			2.60E-01			YES	YES - COPC	
Cadmium	1.70E-01		1.80E-03	no - qual. COPC				
Chromium	3.40E+00		1.80E-02	no - qual. COPC				
Cobalt			2.20E-01			no - qual. COPC		
Copper			1.50E-01			YES	YES - COPC	
Cyanide, Total	2.20E+02	2.20E+02	7.30E-02	no - qual. COPC				
Iron			1.10E+00			YES	YES - COPC	
Manganese			8.40E-02			YES	YES - COPC	
Nickel	4.60E+00	4.60E+00	7.30E-02	no - qual. COPC				
Selenium			1.80E-02			no - qual. COPC		
Thallium	6.30E-03	6.30E-03	2.90E-04	YES	YES	YES	YES - COPC	
Vanadium			2.60E-02			YES	YES - COPC	
Zinc			1.10E+00			YES	YES - COPC	
1,2,4-Trichlorobenzene			1.90E-02			no - qual. COPC		
Anthracene	1.10E+02	1.10E+02	1.10E+00	no - qual. COPC				
Benzo[a]anthracene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Benzo[a]pyrene	3.10E-05	3.10E-05	9.20E-06	YES	YES	YES	YES - COPC	
Benzo[b]fluoranthene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Benzo[ghi]perylene	3.10E-05			YES	YES			
Benzo[k]fluoranthene	3.10E-05	3.10E-05	9.20E-04	YES	YES	YES	YES - COPC	
Bis(2-Ethylhexyl)phthalate	5.90E-03		4.80E-03	YES		YES	no	YES - COPC
Carbazole			3.40E-03			YES	no	YES - COPC
Chrysene	3.10E-05	3.10E-05	9.20E-03	YES	YES	YES	YES - COPC	
Fluoranthene	3.70E-01	3.70E-01	1.50E-01	no - qual. COPC				
Fluorene	1.40E+01	1.40E+01	1.50E-01	no - qual. COPC				
Indeno[1,2,3-cd]pyrene	3.10E-05	3.10E-05	9.20E-05	YES	YES	YES	YES - COPC	
Phenanthrene	3.10E-05			YES		YES	YES - COPC	
Pyrene	1.10E+01	1.10E+01	1.10E-01	no - qual. COPC				
Acetone			3.70E-01			no - qual. COPC		
Bromodichloromethane	2.20E-02	2.20E-02	1.70E-04	no - qual. COPC				
Chlorobenzene	2.10E+01	2.10E+01	3.90E-03	no - qual. COPC				
Chlorodibromomethane	3.40E-02	3.40E-02	1.30E-04	no - qual. COPC				
Chloroform	4.70E-01	4.70E-01	1.50E-04	no - qual. COPC				
Methyl ethyl ketone			1.90E-01			no - qual. COPC		
Tetrachloroethene	8.85E-03	8.85E-03	1.10E-03	YES	YES	YES	YES - COPC	
Total Xylenes			1.20E+00			no - qual. COPC		

TABLE 4.2-7A: FISHERPERSON EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
1234678-HpCDD	46	16	34.78	1.40E-04	2.92E-03	5.98E-04	2.80E-03	4.80E-02	8.43E-03	5.01E-03	4.26E-03	Unknown	4.26E-03
OCDD	46	34	73.91	7.60E-04	3.09E-02	4.61E-03	5.50E-03	6.60E-01	1.05E-01	5.71E-02	5.82E-02	Lognormal	5.82E-02
Aluminum	165	165	100	2.30E+03	1.57E+04	1.27E+04	NA	9.60E+04	1.30E+04	1.74E+04	1.71E+04	Unknown	1.71E+04
Antimony	164	11	6.71	5.60E+00	1.29E+01	9.75E+00	8.88E+01	7.15E+01	1.09E+01	1.43E+01	1.45E+01	Unknown	1.45E+01
Arsenic	165	154	93.33	9.10E-01	9.56E+00	6.13E+00	1.15E+01	1.61E+02	1.58E+01	1.16E+01	1.03E+01	Unknown	1.03E+01
Barium	165	165	100	9.00E+00	1.41E+02	7.16E+01	NA	2.12E+03	3.01E+02	1.80E+02	1.32E+02	Unknown	1.32E+02
Beryllium	164	150	91.46	1.00E-01	6.62E-01	5.28E-01	6.00E-01	2.00E+00	4.05E-01	7.14E-01	7.67E-01	Unknown	7.67E-01
Cadmium	279	170	60.93	0.00E+00	5.57E+01	NA	1.25E+01	2.79E+03	2.30E+02	7.86E+01	NA	NA	2.79E+03
Chromium	165	160	96.97	4.50E+00	6.09E+02	1.47E+02	2.39E+01	1.19E+04	1.53E+03	8.07E+02	9.23E+02	Unknown	9.23E+02
Cobalt	165	153	92.73	2.50E+00	1.28E+01	1.03E+01	1.64E+01	8.23E+01	9.52E+00	1.41E+01	1.43E+01	Unknown	1.43E+01
Copper	279	277	99.28	0.00E+00	5.99E+02	NA	9.30E-01	1.81E+04	1.65E+03	7.63E+02	NA	NA	1.81E+04
Cyanide, Total	146	19	13.01	9.30E-01	3.59E+00	9.36E-01	1.15E+01	9.98E+01	1.36E+01	5.45E+00	2.26E+00	Unknown	2.26E+00
Iron	165	165	100	5.21E+03	2.74E+04	2.27E+04	NA	1.95E+05	2.12E+04	3.01E+04	2.95E+04	Unknown	2.95E+04
Manganese	165	165	100	7.87E+01	4.02E+02	3.01E+02	NA	2.95E+03	4.20E+02	4.57E+02	4.27E+02	Unknown	4.27E+02
Mercury	165	114	69.09	6.00E-02	8.06E-01	2.70E-01	3.50E-01	3.07E+01	2.62E+00	1.14E+00	9.57E-01	Unknown	9.57E-01
Nickel	279	258	92.47	0.00E+00	5.91E+01	NA	5.95E+01	9.47E+02	1.03E+02	6.93E+01	NA	NA	9.47E+02
Selenium	165	32	19.39	7.40E-01	1.19E+00	8.11E-01	1.00E+01	5.40E+00	1.13E+00	1.34E+00	1.37E+00	Unknown	1.37E+00
Silver	165	48	29.09	1.00E+00	1.99E+01	3.44E+00	1.58E+01	4.09E+02	5.61E+01	2.72E+01	1.57E+01	Unknown	1.57E+01
Tin	165	74	44.85	6.30E+00	2.94E+01	1.32E+01	6.39E+01	1.55E+03	1.24E+02	4.53E+01	2.42E+01	Unknown	2.42E+01
Vanadium	165	84	50.91	8.20E+00	3.28E+01	2.37E+01	2.01E+02	2.06E+02	2.96E+01	3.67E+01	3.98E+01	Unknown	3.98E+01
Zinc	279	278	99.64	0.00E+00	6.85E+02	NA	7.88E-01	1.54E+04	1.65E+03	8.49E+02	NA	NA	1.54E+04
Aroclor-1254	115	20	17.39	8.10E-02	1.45E+00	1.61E-01	4.10E+00	4.18E+01	5.59E+00	2.32E+00	9.20E-01	Unknown	9.20E-01
Aroclor-1260	115	9	7.83	6.80E-02	5.16E-01	1.51E-01	4.00E+00	2.01E+01	2.00E+00	8.27E-01	4.35E-01	Unknown	4.35E-01
2-Methylnaphthalene	162	46	28.4	4.40E-02	3.27E+00	6.37E-01	1.20E+01	1.60E+02	1.64E+01	5.40E+00	1.81E+00	Unknown	1.81E+00
3 or 4-Methylphenol	163	10	6.13	1.60E-01	1.07E+00	6.28E-01	1.20E+01	1.80E+01	1.81E+00	1.30E+00	1.09E+00	Unknown	1.09E+00
Acenaphthene	165	64	38.79	4.70E-02	1.13E+00	5.86E-01	2.10E+01	1.00E+01	1.84E+00	1.37E+00	1.25E+00	Unknown	1.25E+00
Anthracene	165	108	65.45	4.10E-02	1.34E+00	6.17E-01	2.10E+01	1.60E+01	2.77E+00	1.69E+00	1.33E+00	Unknown	1.33E+00
Benzo[a]anthracene	162	135	83.33	8.20E-02	2.94E+00	1.36E+00	5.50E+00	4.60E+01	5.94E+00	3.72E+00	3.34E+00	Unknown	3.34E+00
Benzo[a]pyrene	164	125	76.22	8.10E-02	3.37E+00	1.60E+00	2.10E+01	4.90E+01	6.17E+00	4.17E+00	4.02E+00	Unknown	4.02E+00
Benzo[b]fluoranthene	164	134	81.71	1.20E-01	4.64E+00	2.02E+00	5.50E+00	5.90E+01	8.11E+00	5.69E+00	5.76E+00	Unknown	5.76E+00
Benzo[k]fluoranthene	164	105	64.02	4.60E-02	2.04E+00	1.09E+00	2.10E+01	2.30E+01	3.12E+00	2.44E+00	2.33E+00	Unknown	2.33E+00
Bis(2-Ethylhexyl)phthalate	166	116	69.88	6.90E-02	1.50E+01	1.37E+00	3.30E+00	4.90E+02	5.44E+01	2.21E+01	1.04E+01	Unknown	1.04E+01
Butylbenzylphthalate	163	33	20.25	1.20E-01	9.33E-01	5.87E-01	1.10E+01	1.60E+01	1.59E+00	1.14E+00	9.53E-01	Unknown	9.53E-01
Carbazole	124	74	59.68	5.90E-02	7.12E-01	4.31E-01	3.30E+00	1.00E+01	1.29E+00	9.04E-01	7.58E-01	Unknown	7.58E-01
Chrysene	162	141	87.04	7.60E-02	3.72E+00	1.63E+00	5.50E+00	4.80E+01	6.56E+00	4.58E+00	4.86E+00	Unknown	4.86E+00
Di-n-butylphthalate	166	39	23.49	4.70E-02	8.72E-01	4.90E-01	2.10E+01	3.80E+00	1.30E+00	1.04E+00	9.74E-01	Unknown	9.74E-01
Dibenz[a,h]anthracene	164	75	45.73	8.20E-02	1.16E+00	6.94E-01	2.10E+01	7.60E+00	1.55E+00	1.36E+00	1.28E+00	Unknown	1.28E+00
Dibenzofuran	166	54	32.53	4.60E-02	1.03E+00	5.76E-01	2.10E+01	6.80E+00	1.48E+00	1.22E+00	1.16E+00	Unknown	1.16E+00

TABLE 4.2-7A: FISHERPERSON EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Diethyl phthalate	163	9	5.52	4.20E-02	9.35E-01	5.83E-01	2.10E+01	6.80E-01	1.32E+00	1.11E+00	9.91E-01	Unknown	6.80E-01
Fluoranthene	165	152	92.12	1.10E-01	6.12E+00	2.27E+00	1.80E+00	8.20E+01	1.21E+01	7.68E+00	8.59E+00	Unknown	8.59E+00
Fluorene	165	84	50.91	5.50E-02	1.20E+00	6.02E-01	2.10E+01	1.00E+01	1.97E+00	1.46E+00	1.33E+00	Unknown	1.33E+00
Indeno[1,2,3-cd]pyrene	164	117	71.34	8.50E-02	2.82E+00	1.41E+00	2.10E+01	2.80E+01	4.22E+00	3.37E+00	3.44E+00	Unknown	3.44E+00
N-Nitrosodiphenylamine	165	17	10.3	1.30E-01	8.60E-01	5.74E-01	1.20E+01	2.70E+00	1.04E+00	9.95E-01	9.21E-01	Unknown	9.21E-01
Naphthalene	167	56	33.53	5.70E-02	2.18E+00	5.99E-01	1.20E+01	7.30E+01	7.92E+00	3.19E+00	1.52E+00	Unknown	1.52E+00
Pyrene	165	139	84.24	0.00E+00	6.87E+00	NA	2.80E+00	8.60E+01	1.42E+01	8.70E+00	NA	NA	8.60E+01
Acetone	191	103	53.93	1.00E-02	2.00E+00	1.99E-01	4.00E+02	2.40E+00	1.62E+01	3.94E+00	5.59E-01	Unknown	5.59E-01
Benzene	190	31	16.32	2.00E-03	1.15E-01	1.17E-02	2.00E+01	4.40E-01	8.12E-01	2.12E-01	3.77E-02	Unknown	3.77E-02
Carbon disulfide	190	10	5.26	9.00E-03	2.18E-01	2.01E-02	4.00E+01	3.40E-02	1.63E+00	4.14E-01	5.09E-02	Unknown	3.40E-02
Chlorobenzene	189	18	9.52	7.00E-03	1.19E-01	1.12E-02	2.00E+01	8.80E-01	8.18E-01	2.17E-01	3.47E-02	Unknown	3.47E-02
Ethyl benzene	187	19	10.16	1.00E-03	1.52E+00	1.31E-02	6.20E-02	7.60E+01	7.25E+00	2.40E+00	1.75E-01	Unknown	1.75E-01
Methyl ethyl ketone	191	76	39.79	1.20E-02	2.11E+00	1.29E-01	4.00E+02	6.90E-01	1.63E+01	4.06E+00	3.99E-01	Unknown	3.99E-01
Tetrachloroethene	189	16	8.47	1.00E-03	2.40E-01	1.05E-02	2.00E+01	1.00E+01	1.27E+00	3.93E-01	3.87E-02	Unknown	3.87E-02
Toluene	187	58	31.02	3.00E-03	3.10E+01	1.57E-02	6.20E-02	2.90E+03	2.35E+02	5.95E+01	4.92E-01	Unknown	4.92E-01
Total Xylenes	187	38	20.32	2.00E-03	7.07E+00	1.71E-02	6.20E-02	4.70E+02	3.97E+01	1.19E+01	6.18E-01	Unknown	6.18E-01
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDF	46	1	2.17	2.00E-03	5.33E-04	2.37E-04	1.50E-02	2.00E-03	1.15E-03	8.18E-04	7.10E-04	Lognormal	7.10E-04
123478-HeCDD	46	0	0	0.00E+00	3.62E-04	2.57E-04	3.80E-03	0.00E+00	3.42E-04	4.47E-04	4.85E-04	Lognormal	4.85E-04
123478-HeCDF	46	0	0	0.00E+00	3.01E-04	1.76E-04	6.20E-03	0.00E+00	5.06E-04	4.27E-04	3.67E-04	Lognormal	3.67E-04
1234789-HpCDF	46	0	0	0.00E+00	4.33E-04	1.99E-04	1.50E-02	0.00E+00	1.10E-03	7.06E-04	5.12E-04	Lognormal	5.12E-04
123678-HeCDD	46	1	2.17	7.30E-04	3.77E-04	2.71E-04	3.80E-03	7.30E-04	3.43E-04	4.62E-04	5.00E-04	Lognormal	5.00E-04
123678-HeCDF	46	0	0	0.00E+00	3.01E-04	1.76E-04	6.20E-03	0.00E+00	5.06E-04	4.26E-04	3.67E-04	Lognormal	3.67E-04
12378-PeCDD	46	0	0	0.00E+00	3.90E-04	2.94E-04	2.80E-03	0.00E+00	3.06E-04	4.66E-04	5.18E-04	Lognormal	5.18E-04
12378-PeCDF	46	0	0	0.00E+00	2.17E-04	1.29E-04	5.00E-03	0.00E+00	3.80E-04	3.11E-04	2.63E-04	Unknown	2.63E-04
123789-HeCDD	46	1	2.17	3.20E-04	3.68E-04	2.67E-04	3.80E-03	3.20E-04	3.39E-04	4.52E-04	4.84E-04	Lognormal	3.20E-04
123789-HeCDF	46	0	0	0.00E+00	2.64E-04	1.65E-04	6.20E-03	0.00E+00	4.52E-04	3.76E-04	3.17E-04	Lognormal	3.17E-04
234678-HeCDF	46	0	0	0.00E+00	2.70E-04	1.67E-04	6.20E-03	0.00E+00	4.54E-04	3.83E-04	3.29E-04	Lognormal	3.29E-04
23478-PeCDF	46	0	0	0.00E+00	2.17E-04	1.29E-04	5.00E-03	0.00E+00	3.80E-04	3.11E-04	2.63E-04	Unknown	2.63E-04
2378-TCDD	46	0	0	0.00E+00	1.88E-04	9.36E-05	3.60E-03	0.00E+00	3.22E-04	2.68E-04	2.39E-04	Unknown	2.39E-04
2378-TCDF	46	0	0	0.00E+00	6.38E-04	2.65E-04	2.70E-02	0.00E+00	1.98E-03	1.13E-03	6.12E-04	Unknown	6.12E-04
OCDF	46	2	4.35	1.00E-03	9.79E-04	5.46E-04	8.30E-03	8.10E-03	1.39E-03	1.32E-03	1.40E-03	Lognormal	1.40E-03
Aroclor-1016	115	0	0	0.00E+00	1.97E-01	9.92E-02	4.10E+00	0.00E+00	3.20E-01	2.47E-01	2.25E-01	Unknown	2.25E-01
Aroclor-1221	115	0	0	0.00E+00	3.69E-01	1.90E-01	8.40E+00	0.00E+00	6.09E-01	4.64E-01	4.13E-01	Unknown	4.13E-01
Aroclor-1232	115	0	0	0.00E+00	1.96E-01	9.90E-02	4.10E+00	0.00E+00	3.20E-01	2.46E-01	2.24E-01	Unknown	2.24E-01
Aroclor-1242	115	2	1.74	2.00E+00	2.39E-01	1.05E-01	5.00E+00	2.30E+00	4.46E-01	3.09E-01	2.64E-01	Unknown	2.64E-01
Aroclor-1248	115	0	0	0.00E+00	2.83E-01	1.16E-01	9.00E+00	0.00E+00	5.85E-01	3.74E-01	3.14E-01	Unknown	3.14E-01

TABLE 4.2-7A: FISHERPERSON EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	279	279	100	0.00E+00	1.41E+02	NA	NA	5.63E+03	4.40E+02	1.85E+02	NA	NA	5.63E+03
Acenaphthylene	163	75	46.01	4.80E-02	8.86E-01	5.07E-01	2.10E+01	1.20E+00	1.34E+00	1.06E+00	9.58E-01	Unknown	9.58E-01
Benzo[ghi]perylene	164	116	70.73	4.80E-02	2.61E+00	1.33E+00	2.10E+01	2.50E+01	3.85E+00	3.11E+00	3.18E+00	Unknown	3.18E+00
Phenanthrene	165	137	83.03	6.20E-02	4.30E+00	1.59E+00	1.10E+01	6.50E+01	9.43E+00	5.52E+00	5.01E+00	Unknown	5.01E+00

NA - Not Applicable

TABLE 4.2-7B: FISHERPERSON EXPOSURE UNIT - SCREENING OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
1234678-HpCDD	3.70E-05	YES	YES - COPC	
OCDD	3.70E-05	YES	YES - COPC	
Aluminum	2.00E+05	no - qual. COPC		
Antimony	8.20E+01	YES	no	no - qual. COPC
Arsenic	3.80E+00	YES	YES - COPC	
Barium	1.40E+04	no - qual. COPC		
Beryllium	4.10E+02	no - qual. COPC		
Cadmium	1.00E+02	YES	YES - COPC	
Chromium	1.00E+03	YES	YES - COPC	
Cobalt	1.20E+04	no - qual. COPC		
Copper	8.20E+03	YES	YES - COPC	
Cyanide, Total	4.10E+03	no - qual. COPC		
Iron	6.10E+04	YES	no	YES - COPC
Manganese	4.70E+03	no - qual. COPC		
Mercury	6.10E+01	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Selenium	1.00E+03	no - qual. COPC		
Silver	1.00E+03	no - qual. COPC		
Tin	1.20E+05	no - qual. COPC		
Vanadium	1.40E+03	no - qual. COPC		
Zinc	6.10E+04	no - qual. COPC		
Aroclor-1254	2.90E+00	YES	YES - COPC	
Aroclor-1260	2.90E+00	YES	YES - COPC	
2-Methylnaphthalene	8.20E+03	no - qual. COPC		
3 or 4-Methylphenol	1.00E+03	no - qual. COPC		
Acenaphthene	1.20E+04	no - qual. COPC		
Anthracene	6.10E+04	no - qual. COPC		
Benzo[a]anthracene	7.80E+00	YES	YES - COPC	
Benzo[a]pyrene	7.80E-01	YES	YES - COPC	
Benzo[b]fluoranthene	7.80E+00	YES	YES - COPC	
Benzo[k]fluoranthene	7.80E+01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.10E+02	YES	YES - COPC	
Butylbenzylphthalate	4.10E+04	no - qual. COPC		
Carbazole	2.90E+02	no - qual. COPC		
Chrysene	7.80E+02	no - qual. COPC		
Di-n-butylphthalate	2.00E+04	no - qual. COPC		
Dibenz[a,h]anthracene	7.80E-01	YES	no	YES - COPC
Dibenzofuran	8.20E+02	no - qual. COPC		

TABLE 4.2-7B: FISHERPERSON EXPOSURE UNIT - SCREENING OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Diethyl phthalate	1.00E+05	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Fluorene	8.20E+03	no - qual. COPC		
Indeno[1,2,3-cd]pyrene	7.80E+00	YES	YES - COPC	
N-Nitrosodiphenylamine	1.20E+03	no - qual. COPC		
Naphthalene	8.20E+03	no - qual. COPC		
Pyrene	6.10E+03	no - qual. COPC		
Acetone	2.00E+04	no - qual. COPC		
Benzene	2.00E+02	no - qual. COPC		
Carbon disulfide	2.00E+04	no - qual. COPC		
Chlorobenzene	4.10E+03	no - qual. COPC		
Ethyl benzene	2.00E+04	no - qual. COPC		
Methyl ethyl ketone	1.20E+05	no - qual. COPC		
Tetrachloroethene	1.10E+02	no - qual. COPC		
Toluene	4.10E+04	no - qual. COPC		
Total Xylenes	4.10E+05	no - qual. COPC		

TABLE 4.2-13A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
1234678-HpCDD	43	15	34.88	1.40E-04	1.96E-03	5.28E-04	2.80E-03	3.20E-02	5.16E-03	3.29E-03	3.07E-03	Lognormal	3.07E-03
OCDD	43	31	72.09	7.60E-04	1.71E-02	3.91E-03	5.50E-03	3.00E-01	4.76E-02	2.93E-02	3.71E-02	Lognormal	3.71E-02
Aluminum	95	95	100	2.30E+03	1.52E+04	1.18E+04	NA	8.56E+04	1.31E+04	1.74E+04	1.73E+04	Unknown	1.73E+04
Antimony	95	5	5.26	5.60E+00	1.33E+01	1.01E+01	8.88E+01	6.90E+01	1.10E+01	1.52E+01	1.56E+01	Unknown	1.56E+01
Arsenic	95	86	90.53	9.10E-01	1.06E+01	6.44E+00	1.15E+01	1.61E+02	1.94E+01	1.39E+01	1.19E+01	Unknown	1.19E+01
Barium	95	95	100	9.00E+00	1.23E+02	6.91E+01	NA	1.63E+03	2.30E+02	1.62E+02	1.33E+02	Unknown	1.33E+02
Beryllium	95	85	89.47	1.00E-01	6.86E-01	5.15E-01	5.00E-01	2.00E+00	4.64E-01	7.65E-01	8.62E-01	Unknown	8.62E-01
Cadmium	95	53	55.79	8.10E-01	1.57E+01	3.20E+00	1.25E+01	5.10E+02	5.58E+01	2.53E+01	1.89E+01	Unknown	1.89E+01
Chromium	95	93	97.89	4.50E+00	4.25E+02	1.64E+02	6.10E+00	4.04E+03	6.45E+02	5.35E+02	8.19E+02	Unknown	8.19E+02
Cobalt	95	91	95.79	2.50E+00	1.27E+01	1.01E+01	1.19E+01	3.97E+01	8.23E+00	1.41E+01	1.50E+01	Unknown	1.50E+01
Copper	95	94	98.95	3.50E+00	9.22E+02	3.05E+02	9.30E-01	1.81E+04	2.06E+03	1.28E+03	2.19E+03	Unknown	2.19E+03
Cyanide, Total	78	9	11.54	9.30E-01	1.97E+00	9.48E-01	1.15E+01	4.61E+01	5.30E+00	2.98E+00	2.07E+00	Unknown	2.07E+00
Iron	95	95	100	5.21E+03	2.79E+04	2.29E+04	NA	1.12E+05	1.89E+04	3.11E+04	3.17E+04	Unknown	3.17E+04
Manganese	95	95	100	7.87E+01	4.68E+02	3.24E+02	NA	2.95E+03	5.17E+02	5.57E+02	5.32E+02	Unknown	5.32E+02
Mercury	95	71	74.74	6.00E-02	8.31E-01	2.68E-01	3.50E-01	3.07E+01	3.16E+00	1.37E+00	1.00E+00	Unknown	1.00E+00
Nickel	95	89	93.68	3.10E+00	7.79E+01	4.40E+01	5.95E+01	4.44E+02	8.90E+01	9.32E+01	1.06E+02	Unknown	1.06E+02
Selenium	95	19	20	7.40E-01	1.31E+00	8.57E-01	1.00E+01	5.40E+00	1.29E+00	1.53E+00	1.62E+00	Unknown	1.62E+00
Silver	95	28	29.47	1.00E+00	1.99E+01	3.57E+00	1.58E+01	4.09E+02	5.78E+01	2.98E+01	1.71E+01	Unknown	1.71E+01
Tin	95	42	44.21	6.70E+00	3.43E+01	1.32E+01	5.89E+01	1.55E+03	1.58E+02	6.14E+01	2.67E+01	Unknown	2.67E+01
Vanadium	95	56	58.95	8.20E+00	3.76E+01	2.78E+01	2.01E+02	2.06E+02	2.97E+01	4.27E+01	4.78E+01	Unknown	4.78E+01
Zinc	95	95	100	2.04E+01	1.01E+03	4.35E+02	NA	1.54E+04	1.99E+03	1.35E+03	1.32E+03	Unknown	1.32E+03
4,4'-DDT	59	4	6.78	1.04E-02	3.67E-02	1.65E-02	1.10E+00	5.90E-02	7.52E-02	5.32E-02	4.96E-02	Unknown	4.96E-02
Aroclor-1254	59	13	22.03	8.10E-02	1.53E+00	2.08E-01	4.10E+00	3.00E+01	5.21E+00	2.67E+00	1.60E+00	Unknown	1.60E+00
Aroclor-1260	59	9	15.25	6.80E-02	8.04E-01	2.10E-01	2.80E+00	2.01E+01	2.74E+00	1.40E+00	8.62E-01	Unknown	8.62E-01
Endosulfan II	59	3	5.08	1.00E-02	3.94E-02	1.67E-02	5.00E-01	1.70E-02	6.07E-02	5.27E-02	6.05E-02	Unknown	1.70E-02
2-Methylnaphthalene	89	19	21.35	7.10E-02	1.19E+00	6.32E-01	1.10E+01	2.20E+01	2.54E+00	1.64E+00	1.25E+00	Unknown	1.25E+00
3 or 4-Methylphenol	90	8	8.89	1.60E-01	8.37E-01	5.86E-01	1.10E+01	6.30E+00	9.49E-01	1.00E+00	9.52E-01	Unknown	9.52E-01
Acenaphthene	89	38	42.7	4.70E-02	9.33E-01	5.11E-01	1.10E+01	1.00E+01	1.57E+00	1.21E+00	1.16E+00	Unknown	1.16E+00
Anthracene	89	71	79.78	6.00E-02	1.07E+00	5.16E-01	1.10E+01	1.60E+01	2.42E+00	1.50E+00	1.09E+00	Unknown	1.09E+00
Benzo[a]anthracene	86	83	96.51	8.20E-02	3.64E+00	1.74E+00	5.50E+00	4.60E+01	7.17E+00	4.93E+00	4.51E+00	Unknown	4.51E+00
Benzo[a]pyrene	88	83	94.32	8.10E-02	4.31E+00	2.02E+00	5.50E+00	4.90E+01	7.75E+00	5.69E+00	5.90E+00	Unknown	5.90E+00
Benzo[b]fluoranthene	88	82	93.18	1.40E-01	6.45E+00	3.01E+00	5.50E+00	5.90E+01	1.01E+01	8.26E+00	9.31E+00	Unknown	9.31E+00
Benzo[k]fluoranthene	88	74	84.09	4.60E-02	2.46E+00	1.23E+00	1.10E+01	2.30E+01	3.82E+00	3.14E+00	3.27E+00	Unknown	3.27E+00
Bis(2-Ethylhexyl)phthalate	90	73	81.11	1.30E-01	1.06E+01	1.42E+00	3.00E+00	4.90E+02	5.48E+01	2.02E+01	6.65E+00	Unknown	6.65E+00
Butylbenzylphthalate	87	22	25.29	1.20E-01	8.80E-01	5.60E-01	1.10E+01	1.60E+01	1.77E+00	1.20E+00	9.13E-01	Unknown	9.13E-01
Carbazole	67	53	79.1	5.90E-02	8.08E-01	4.09E-01	3.00E+00	1.00E+01	1.70E+00	1.15E+00	8.62E-01	Unknown	8.62E-01
Chrysene	86	83	96.51	9.90E-02	4.91E+00	2.38E+00	5.50E+00	4.80E+01	7.99E+00	6.35E+00	6.80E+00	Unknown	6.80E+00
Di-n-butylphthalate	90	26	28.89	5.60E-02	6.74E-01	4.29E-01	1.10E+01	4.30E-01	7.93E-01	8.13E-01	8.32E-01	Unknown	4.30E-01

TABLE 4.2-13A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Di-n-octylphthalate	89	5	5.62	3.00E-01	7.15E-01	5.52E-01	1.10E+01	8.00E-01	6.79E-01	8.36E-01	8.08E-01	Unknown	8.00E-01
Dibenz[a,h]anthracene	88	49	55.68	1.00E-01	1.08E+00	6.54E-01	1.10E+01	7.60E+00	1.37E+00	1.32E+00	1.30E+00	Unknown	1.30E+00
Dibenzofuran	90	31	34.44	4.60E-02	8.63E-01	5.30E-01	1.10E+01	5.50E+00	1.11E+00	1.06E+00	1.09E+00	Unknown	1.09E+00
Diethyl phthalate	90	7	7.78	4.20E-02	7.05E-01	5.20E-01	1.10E+01	4.40E-01	7.17E-01	8.31E-01	8.12E-01	Unknown	4.40E-01
Fluoranthene	89	87	97.75	1.30E-01	7.40E+00	3.40E+00	1.80E+00	8.20E+01	1.29E+01	9.68E+00	1.09E+01	Unknown	1.09E+01
Fluorene	89	49	55.06	5.50E-02	9.97E-01	5.19E-01	1.10E+01	9.10E+00	1.52E+00	1.27E+00	1.29E+00	Unknown	1.29E+00
Indeno[1,2,3-cd]pyrene	88	79	89.77	8.50E-02	3.51E+00	1.68E+00	1.10E+01	2.80E+01	5.22E+00	4.44E+00	4.88E+00	Unknown	4.88E+00
N-Nitrosodiphenylamine	90	9	10	1.30E-01	7.05E-01	5.24E-01	1.10E+01	6.30E-01	7.03E-01	8.28E-01	8.05E-01	Unknown	6.30E-01
Naphthalene	90	24	26.67	5.70E-02	1.10E+00	5.79E-01	1.10E+01	2.20E+01	2.49E+00	1.54E+00	1.14E+00	Unknown	1.14E+00
Pyrene	90	88	97.78	0.00E+00	7.83E+00	NA	1.80E+00	8.60E+01	1.39E+01	1.03E+01	NA	NA	8.60E+01
Acetone	104	57	54.81	1.00E-02	1.21E+00	1.67E-01	2.00E+02	1.60E+00	9.78E+00	2.81E+00	4.58E-01	Unknown	4.58E-01
Methyl ethyl ketone	104	40	38.46	1.20E-02	1.10E+00	1.12E-01	2.00E+02	2.90E-01	9.79E+00	2.70E+00	2.24E-01	Unknown	2.24E-01
Tetrachloroethene	102	10	9.8	1.00E-03	5.95E-02	8.92E-03	1.00E+01	2.30E-02	4.94E-01	1.41E-01	1.73E-02	Unknown	1.73E-02
Toluene	102	25	24.51	3.00E-03	2.84E+01	1.03E-02	6.20E-02	2.90E+03	2.87E+02	7.60E+01	4.92E-02	Unknown	4.92E-02
Total Xylenes	102	7	6.86	2.00E-03	4.62E+00	9.60E-03	6.20E-02	4.70E+02	4.65E+01	1.23E+01	3.09E-02	Unknown	3.09E-02
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDF	43	0	0	0.00E+00	4.88E-04	2.14E-04	1.50E-02	0.00E+00	1.16E-03	7.87E-04	6.08E-04	Lognormal	6.08E-04
123478-HeCDD	43	0	0	0.00E+00	3.69E-04	2.61E-04	3.80E-03	0.00E+00	3.51E-04	4.59E-04	4.95E-04	Lognormal	4.95E-04
123478-HeCDF	43	0	0	0.00E+00	2.95E-04	1.67E-04	6.20E-03	0.00E+00	5.21E-04	4.29E-04	3.56E-04	Lognormal	3.56E-04
1234789-HpCDF	43	0	0	0.00E+00	4.22E-04	1.87E-04	1.50E-02	0.00E+00	1.13E-03	7.14E-04	4.84E-04	Lognormal	4.84E-04
123678-HeCDD	43	0	0	0.00E+00	3.69E-04	2.61E-04	3.80E-03	0.00E+00	3.51E-04	4.59E-04	4.95E-04	Lognormal	4.95E-04
123678-HeCDF	43	0	0	0.00E+00	2.95E-04	1.67E-04	6.20E-03	0.00E+00	5.21E-04	4.29E-04	3.56E-04	Lognormal	3.56E-04
12378-PeCDD	43	0	0	0.00E+00	3.99E-04	2.98E-04	2.80E-03	0.00E+00	3.13E-04	4.79E-04	5.43E-04	Lognormal	5.43E-04
12378-PeCDF	43	0	0	0.00E+00	2.13E-04	1.23E-04	5.00E-03	0.00E+00	3.92E-04	3.13E-04	2.57E-04	Lognormal	2.57E-04
123789-HeCDD	43	0	0	0.00E+00	3.69E-04	2.61E-04	3.80E-03	0.00E+00	3.51E-04	4.59E-04	4.95E-04	Lognormal	4.95E-04
123789-HeCDF	43	0	0	0.00E+00	2.58E-04	1.60E-04	6.20E-03	0.00E+00	4.65E-04	3.77E-04	3.06E-04	Lognormal	3.06E-04
234678-HeCDF	43	0	0	0.00E+00	2.64E-04	1.62E-04	6.20E-03	0.00E+00	4.67E-04	3.84E-04	3.18E-04	Lognormal	3.18E-04
23478-PeCDF	43	0	0	0.00E+00	2.13E-04	1.23E-04	5.00E-03	0.00E+00	3.92E-04	3.13E-04	2.57E-04	Lognormal	2.57E-04
2378-TCDD	43	0	0	0.00E+00	1.84E-04	8.75E-05	3.60E-03	0.00E+00	3.33E-04	2.69E-04	2.29E-04	Unknown	2.29E-04
2378-TCDF	43	0	0	0.00E+00	6.54E-04	2.59E-04	2.70E-02	0.00E+00	2.05E-03	1.18E-03	6.31E-04	Unknown	6.31E-04
OCDF	43	1	2.33	1.00E-03	8.05E-04	4.96E-04	8.30E-03	1.00E-03	9.12E-04	1.04E-03	1.17E-03	Lognormal	1.00E-03
Aroclor-1016	59	0	0	0.00E+00	2.59E-01	1.19E-01	4.10E+00	0.00E+00	3.90E-01	3.45E-01	3.76E-01	Unknown	3.76E-01
Aroclor-1221	59	0	0	0.00E+00	5.01E-01	2.25E-01	8.40E+00	0.00E+00	7.93E-01	6.74E-01	6.97E-01	Unknown	6.97E-01
Aroclor-1232	59	0	0	0.00E+00	2.58E-01	1.18E-01	4.10E+00	0.00E+00	3.89E-01	3.43E-01	3.72E-01	Unknown	3.72E-01
Aroclor-1242	59	2	3.39	2.00E+00	3.23E-01	1.31E-01	4.10E+00	2.30E+00	5.20E-01	4.37E-01	4.83E-01	Unknown	4.83E-01
Aroclor-1248	59	0	0	0.00E+00	3.44E-01	1.39E-01	5.00E+00	0.00E+00	5.62E-01	4.67E-01	5.12E-01	Unknown	5.12E-01

TABLE 4.2-13A: TRESPASSER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	95	95	100	6.10E+00	2.56E+02	1.07E+02	NA	5.63E+03	6.83E+02	3.73E+02	3.00E+02	Unknown	3.00E+02
Acenaphthylene	90	53	58.89	8.00E-02	6.01E-01	3.97E-01	1.10E+01	8.90E-01	7.47E-01	7.32E-01	6.97E-01	Unknown	6.97E-01
Benzo[ghi]perylene	88	78	88.64	4.80E-02	3.27E+00	1.57E+00	1.10E+01	2.50E+01	4.82E+00	4.13E+00	4.55E+00	Unknown	4.55E+00
Phenanthrene	89	85	95.51	6.20E-02	4.66E+00	1.89E+00	1.10E+01	6.50E+01	1.00E+01	6.44E+00	6.24E+00	Unknown	6.24E+00

NA - Not Applicable

TABLE 4.2-13B: TRESPASSER EXPOSURE UNIT - SCREENING OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
1234678-HpCDD	3.70E-05	YES	YES - COPC	
OCDD	3.70E-05	YES	YES - COPC	
Aluminum	2.00E+05	no - qual. COPC		
Antimony	8.20E+01	YES	no	no - qual. COPC
Arsenic	3.80E+00	YES	YES - COPC	
Barium	1.40E+04	no - qual. COPC		
Beryllium	4.10E+02	no - qual. COPC		
Cadmium	1.00E+02	YES	YES - COPC	
Chromium	1.00E+03	YES	YES - COPC	
Cobalt	1.20E+04	no - qual. COPC		
Copper	8.20E+03	YES	YES - COPC	
Cyanide, Total	4.10E+03	no - qual. COPC		
Iron	6.10E+04	YES	no	YES - COPC
Manganese	4.70E+03	no - qual. COPC		
Mercury	6.10E+01	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Selenium	1.00E+03	no - qual. COPC		
Silver	1.00E+03	no - qual. COPC		
Tin	1.20E+05	no - qual. COPC		
Vanadium	1.40E+03	no - qual. COPC		
Zinc	6.10E+04	no - qual. COPC		
4,4`-DDT	1.70E+01	no - qual. COPC		
Aroclor-1254	2.90E+00	YES	YES - COPC	
Aroclor-1260	2.90E+00	YES	YES - COPC	
Endosulfan II	1.20E+03	no - qual. COPC		
2-Methylnaphthalene	8.20E+03	no - qual. COPC		
3 or 4-Methylphenol	1.00E+03	no - qual. COPC		
Acenaphthene	1.20E+04	no - qual. COPC		
Anthracene	6.10E+04	no - qual. COPC		
Benzo[a]anthracene	7.80E+00	YES	YES - COPC	
Benzo[a]pyrene	7.80E-01	YES	YES - COPC	
Benzo[b]fluoranthene	7.80E+00	YES	YES - COPC	
Benzo[k]fluoranthene	7.80E+01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.10E+02	YES	YES - COPC	
Butylbenzylphthalate	4.10E+04	no - qual. COPC		
Carbazole	2.90E+02	no - qual. COPC		
Chrysene	7.80E+02	no - qual. COPC		
Di-n-butylphthalate	2.00E+04	no - qual. COPC		

TABLE 4.2-13B: TRESPASSER EXPOSURE UNIT - SCREENING OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Di-n-octylphthalate	4.10E+03	no - qual. COPC		
Dibenz[a,h]anthracene	7.80E-01	YES	no	YES - COPC
Dibenzofuran	8.20E+02	no - qual. COPC		
Diethyl phthalate	1.00E+05	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Fluorene	8.20E+03	no - qual. COPC		
Indeno[1,2,3-cd]pyrene	7.80E+00	YES	YES - COPC	
N-Nitrosodiphenylamine	1.20E+03	no - qual. COPC		
Naphthalene	8.20E+03	no - qual. COPC		
Pyrene	6.10E+03	no - qual. COPC		
Acetone	2.00E+04	no - qual. COPC		
Methyl ethyl ketone	1.20E+05	no - qual. COPC		
Tetrachloroethene	1.10E+02	no - qual. COPC		
Toluene	4.10E+04	no - qual. COPC		
Total Xylenes	4.10E+05	no - qual. COPC		

TABLE 4.2-25A: MAINTENANCE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
1234678-HpCDD	32	15	46.88	3.10E-04	4.10E-03	7.87E-03	2.80E-03	4.80E-02	9.92E-03	7.08E-03	1.04E-03	Lognormal	1.04E-03
OCDD	32	27	84.38	1.30E-03	4.38E-02	7.55E-02	5.50E-03	6.60E-01	1.25E-01	8.12E-02	9.53E-03	Lognormal	9.53E-03
Aluminum	123	123	100	2.30E+03	1.65E+04	1.82E+04	NA	9.60E+04	1.45E+04	1.86E+04	1.30E+04	Unknown	1.30E+04
Antimony	122	9	7.38	5.60E+00	1.41E+01	1.67E+01	8.88E+01	7.15E+01	1.22E+01	1.59E+01	1.02E+01	Unknown	1.02E+01
Arsenic	123	113	91.87	9.10E-01	1.04E+01	1.14E+01	1.15E+01	1.61E+02	1.78E+01	1.31E+01	6.45E+00	Unknown	6.45E+00
Barium	123	123	100	9.00E+00	1.66E+02	1.61E+02	NA	2.12E+03	3.44E+02	2.18E+02	7.85E+01	Lognormal	7.85E+01
Beryllium	122	108	88.52	9.00E-02	6.45E-01	7.69E-01	6.00E-01	2.00E+00	4.16E-01	7.08E-01	5.07E-01	Unknown	5.07E-01
Cadmium	123	72	58.54	3.20E-01	2.07E+01	3.18E+01	1.25E+01	5.10E+02	5.60E+01	2.91E+01	4.20E+00	Unknown	4.20E+00
Chromium	123	122	99.19	4.50E+00	7.39E+02	1.16E+03	2.39E+01	1.19E+04	1.74E+03	1.00E+03	1.79E+02	Unknown	1.79E+02
Cobalt	123	116	94.31	2.50E+00	1.32E+01	1.48E+01	1.64E+01	8.23E+01	1.03E+01	1.47E+01	1.04E+01	Unknown	1.04E+01
Copper	123	123	100	9.30E-01	9.95E+02	2.85E+02	NA	1.81E+04	2.06E+03	1.30E+03	2.23E+03	Unknown	2.23E+03
Cyanide, Total	111	19	17.12	9.30E-01	4.50E+00	3.08E+00	1.15E+01	9.98E+01	1.55E+01	6.96E+00	1.11E+00	Unknown	1.11E+00
Iron	123	123	100	5.21E+03	2.87E+04	3.12E+04	NA	1.95E+05	2.36E+04	3.22E+04	2.34E+04	Unknown	2.34E+04
Manganese	123	123	100	7.77E+01	3.70E+02	3.98E+02	NA	2.95E+03	3.81E+02	4.27E+02	2.84E+02	Unknown	2.84E+02
Mercury	123	87	70.73	6.00E-02	7.53E-01	9.00E-01	3.50E-01	3.07E+01	2.78E+00	1.17E+00	2.70E-01	Unknown	2.70E-01
Nickel	123	116	94.31	3.10E+00	9.14E+01	1.15E+02	5.95E+01	9.47E+02	1.27E+02	1.10E+02	4.73E+01	Unknown	4.73E+01
Selenium	123	24	19.51	5.91E-01	1.28E+00	8.51E-01	1.00E+01	5.40E+00	1.23E+00	1.46E+00	1.54E+00	Unknown	1.54E+00
Silver	123	47	38.21	1.00E+00	2.62E+01	2.90E+01	1.58E+01	4.09E+02	6.38E+01	3.57E+01	4.62E+00	Unknown	4.62E+00
Tin	123	55	44.72	6.30E+00	3.39E+01	2.73E+01	6.39E+01	1.55E+03	1.43E+02	5.52E+01	1.41E+01	Unknown	1.41E+01
Vanadium	123	71	57.72	1.18E+01	3.71E+01	4.56E+01	2.01E+02	2.06E+02	3.26E+01	4.20E+01	2.69E+01	Unknown	2.69E+01
Zinc	123	123	100	2.04E+01	1.36E+03	2.05E+03	NA	1.54E+04	2.26E+03	1.70E+03	4.92E+02	Unknown	4.92E+02
4,4'-DDD	79	4	5.06	5.40E-03	2.58E-02	3.22E-02	4.10E-01	1.58E-02	3.58E-02	3.25E-02	1.36E-02	Unknown	1.36E-02
Aroclor-1254	79	20	25.32	8.10E-02	2.05E+00	2.09E-01	4.10E+00	4.18E+01	6.67E+00	3.30E+00	2.10E+00	Unknown	2.10E+00
Aroclor-1260	79	8	10.13	1.70E-01	6.90E-01	6.97E-01	4.00E+00	2.01E+01	2.39E+00	1.14E+00	1.81E-01	Unknown	1.81E-01
2-Methylnaphthalene	106	30	28.3	4.40E-02	4.67E+00	2.99E+00	1.20E+01	1.60E+02	2.01E+01	7.93E+00	8.15E-01	Unknown	8.15E-01
Acenaphthene	108	36	33.33	6.00E-02	1.28E+00	1.51E+00	2.10E+01	1.00E+01	1.86E+00	1.58E+00	7.14E-01	Unknown	7.14E-01
Anthracene	108	60	55.56	4.10E-02	1.32E+00	1.50E+00	2.10E+01	1.60E+01	2.43E+00	1.71E+00	6.53E-01	Unknown	6.53E-01
Benzo[a]anthracene	107	82	76.64	8.20E-02	2.47E+00	2.92E+00	5.50E+00	4.60E+01	5.17E+00	3.31E+00	1.17E+00	Unknown	1.17E+00
Benzo[a]pyrene	108	73	67.59	8.10E-02	3.00E+00	3.79E+00	2.10E+01	4.90E+01	5.54E+00	3.89E+00	1.43E+00	Unknown	1.43E+00
Benzo[b]fluoranthene	108	81	75	1.20E-01	4.03E+00	5.16E+00	5.50E+00	5.90E+01	7.33E+00	5.21E+00	1.75E+00	Unknown	1.75E+00
Benzo[k]fluoranthene	108	58	53.7	4.60E-02	2.01E+00	2.54E+00	2.10E+01	2.30E+01	2.92E+00	2.48E+00	1.07E+00	Unknown	1.07E+00
Bis(2-Ethylhexyl)phthalate	108	76	70.37	6.90E-02	2.17E+01	2.11E+01	3.30E+00	4.90E+02	6.65E+01	3.24E+01	1.78E+00	Unknown	1.78E+00
Butylbenzylphthalate	107	23	21.5	1.20E-01	1.14E+00	1.25E+00	1.10E+01	1.60E+01	1.90E+00	1.45E+00	6.96E-01	Unknown	6.96E-01
Carbazole	76	39	51.32	5.90E-02	7.81E-01	9.21E-01	3.30E+00	1.00E+01	1.19E+00	1.01E+00	5.10E-01	Unknown	5.10E-01
Chrysene	107	88	82.24	5.70E-02	3.16E+00	4.39E+00	5.50E+00	4.80E+01	5.82E+00	4.10E+00	1.36E+00	Unknown	1.36E+00
Di-n-butylphthalate	108	23	21.3	5.60E-02	1.08E+00	1.29E+00	2.10E+01	3.80E+00	1.52E+00	1.33E+00	6.13E-01	Unknown	6.13E-01
Dibenz[a,h]anthracene	108	37	34.26	8.20E-02	1.32E+00	1.56E+00	2.10E+01	7.60E+00	1.69E+00	1.59E+00	7.77E-01	Unknown	7.77E-01
Dibenzofuran	108	27	25	4.60E-02	1.21E+00	1.43E+00	2.10E+01	6.80E+00	1.62E+00	1.47E+00	7.23E-01	Unknown	7.23E-01
Fluoranthene	108	95	87.96	8.90E-02	5.17E+00	7.80E+00	1.80E+00	8.20E+01	1.04E+01	6.83E+00	1.92E+00	Unknown	1.92E+00
Fluorene	108	43	39.81	6.70E-02	1.32E+00	1.57E+00	2.10E+01	1.00E+01	1.97E+00	1.64E+00	7.15E-01	Unknown	7.15E-01
Indeno[1,2,3-cd]pyrene	108	66	61.11	8.50E-02	2.69E+00	3.52E+00	2.10E+01	2.80E+01	3.95E+00	3.32E+00	1.35E+00	Unknown	1.35E+00
N-Nitrosodiphenylamine	108	9	8.33	1.30E-01	1.03E+00	1.19E+00	1.20E+01	2.70E+00	1.19E+00	1.23E+00	6.87E-01	Unknown	6.87E-01

TABLE 4.2-25A: MAINTENANCE WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
Naphthalene	108	37	34.26	5.70E-02	3.04E+00	2.46E+00	1.20E+01	7.30E+01	9.73E+00	4.61E+00	7.74E-01	Unknown	7.74E-01
Pyrene	108	85	78.7	8.20E-02	5.75E+00	7.82E+00	2.80E+00	8.60E+01	1.19E+01	7.66E+00	2.20E+00	Unknown	2.20E+00
Acetone	117	68	58.12	1.00E-02	2.96E+00	8.08E-01	4.00E+02	2.40E+00	2.06E+01	6.13E+00	2.08E-01	Unknown	2.08E-01
Benzene	117	17	14.53	2.00E-03	1.60E-01	4.49E-02	2.00E+01	4.40E-01	1.03E+00	3.19E-01	1.20E-02	Unknown	1.20E-02
Chlorobenzene	117	8	6.84	7.00E-03	1.65E-01	4.41E-02	2.00E+01	8.80E-01	1.03E+00	3.25E-01	1.19E-02	Unknown	1.19E-02
Ethyl benzene	117	15	12.82	1.00E-03	1.69E+00	2.61E-01	6.20E-02	7.60E+01	8.28E+00	2.97E+00	1.45E-02	Unknown	1.45E-02
Methyl ethyl ketone	117	48	41.03	1.20E-02	3.09E+00	5.50E-01	4.00E+02	6.90E-01	2.06E+01	6.28E+00	1.36E-01	Unknown	1.36E-01
Tetrachloroethene	117	12	10.26	1.00E-03	3.22E-01	6.32E-02	2.00E+01	1.00E+01	1.54E+00	5.61E-01	1.21E-02	Unknown	1.21E-02
Toluene	117	39	33.33	3.00E-03	4.25E+01	1.34E+00	6.20E-02	2.90E+03	2.87E+02	8.69E+01	1.79E-02	Unknown	1.79E-02
Total Xylenes	117	26	22.22	2.00E-03	8.07E+00	9.90E-01	6.20E-02	4.70E+02	4.69E+01	1.53E+01	1.93E-02	Unknown	1.93E-02
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDF	32	1	3.13	2.00E-03	7.08E-04	1.10E-03	1.50E-02	2.00E-03	1.34E-03	1.11E-03	3.35E-04	Lognormal	3.35E-04
123478-HeCDD	32	0	0	0.00E+00	4.54E-04	6.31E-04	3.80E-03	0.00E+00	3.72E-04	5.65E-04	3.45E-04	Lognormal	3.45E-04
123478-HeCDF	32	0	0	0.00E+00	3.91E-04	5.17E-04	6.20E-03	0.00E+00	5.86E-04	5.66E-04	2.40E-04	Lognormal	2.40E-04
1234789-HpCDF	32	0	0	0.00E+00	5.63E-04	7.61E-04	1.50E-02	0.00E+00	1.30E-03	9.53E-04	2.60E-04	Lognormal	2.60E-04
123678-HeCDD	32	1	3.13	7.30E-04	4.75E-04	6.30E-04	3.80E-03	7.30E-04	3.68E-04	5.85E-04	3.74E-04	Lognormal	3.74E-04
123678-HeCDF	32	0	0	0.00E+00	3.90E-04	5.16E-04	6.20E-03	0.00E+00	5.86E-04	5.66E-04	2.40E-04	Lognormal	2.40E-04
12378-PeCDD	32	0	0	0.00E+00	4.72E-04	6.75E-04	2.80E-03	0.00E+00	3.31E-04	5.71E-04	3.65E-04	Lognormal	3.65E-04
12378-PeCDF	32	0	0	0.00E+00	2.79E-04	3.66E-04	5.00E-03	0.00E+00	4.43E-04	4.12E-04	1.74E-04	Lognormal	1.74E-04
123789-HeCDD	32	1	3.13	3.20E-04	4.62E-04	6.07E-04	3.80E-03	3.20E-04	3.65E-04	5.72E-04	3.64E-04	Lognormal	3.20E-04
123789-HeCDF	32	0	0	0.00E+00	3.37E-04	4.34E-04	6.20E-03	0.00E+00	5.27E-04	4.95E-04	2.18E-04	Lognormal	2.18E-04
234678-HeCDF	32	0	0	0.00E+00	3.46E-04	4.53E-04	6.20E-03	0.00E+00	5.28E-04	5.05E-04	2.23E-04	Lognormal	2.23E-04
23478-PeCDF	32	0	0	0.00E+00	2.79E-04	3.66E-04	5.00E-03	0.00E+00	4.43E-04	4.12E-04	1.74E-04	Lognormal	1.74E-04
2378-TCDD	32	0	0	0.00E+00	2.41E-04	3.83E-04	3.60E-03	0.00E+00	3.75E-04	3.53E-04	1.17E-04	Lognormal	1.17E-04
2378-TCDF	32	0	0	0.00E+00	8.45E-04	9.44E-04	2.70E-02	0.00E+00	2.35E-03	1.55E-03	3.46E-04	Unknown	3.46E-04
OCDF	32	1	3.13	8.10E-03	1.24E-03	1.92E-03	8.30E-03	8.10E-03	1.59E-03	1.72E-03	7.37E-04	Lognormal	7.37E-04
Aroclor-1016	79	0	0	0.00E+00	2.31E-01	2.85E-01	4.10E+00	0.00E+00	3.78E-01	3.02E-01	1.04E-01	Unknown	1.04E-01
Aroclor-1221	79	0	0	0.00E+00	4.27E-01	5.05E-01	8.40E+00	0.00E+00	7.18E-01	5.62E-01	1.98E-01	Unknown	1.98E-01
Aroclor-1232	79	0	0	0.00E+00	2.29E-01	2.83E-01	4.10E+00	0.00E+00	3.77E-01	3.00E-01	1.04E-01	Unknown	1.04E-01
Aroclor-1242	79	2	2.53	2.00E+00	2.91E-01	3.61E-01	5.00E+00	2.30E+00	5.27E-01	3.91E-01	1.12E-01	Unknown	1.12E-01
Aroclor-1248	79	0	0	0.00E+00	3.56E-01	4.60E-01	9.00E+00	0.00E+00	6.93E-01	4.86E-01	1.29E-01	Unknown	1.29E-01
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	123	123	100	6.10E+00	2.67E+02	3.63E+02	NA	5.63E+03	6.35E+02	3.62E+02	1.03E+02	Unknown	1.03E+02
Acenaphthylene	107	40	37.38	4.80E-02	1.06E+00	1.26E+00	2.10E+01	8.90E-01	1.58E+00	1.32E+00	5.71E-01	Unknown	5.71E-01
Benzo[ghi]perylene	108	65	60.19	4.80E-02	2.52E+00	3.30E+00	2.10E+01	2.50E+01	3.65E+00	3.11E+00	1.29E+00	Unknown	1.29E+00
Phenanthrene	108	83	76.85	4.00E-02	3.68E+00	4.83E+00	1.10E+01	6.50E+01	8.04E+00	4.98E+00	1.41E+00	Unknown	1.41E+00

NA - Not Applicable

TABLE 4.2-25B: MAINTENANCE WORKER EXPOSURE UNIT - SCREENING OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
1234678-HpCDD	3.70E-05	YES	YES - COPC	
OCDD	3.70E-05	YES	YES - COPC	
Aluminum	1.00E+05	YES	no	no - qual. COPC
Antimony	8.20E+01	YES	no	no - qual. COPC
Arsenic	3.80E+00	YES	YES - COPC	
Barium	1.40E+04	YES	no	no - qual. COPC
Beryllium	1.30E+00	YES	YES - COPC	
Cadmium	1.00E+02	YES	YES - COPC	
Chromium	1.00E+03	YES	YES - COPC	
Cobalt	1.20E+04	no - qual. COPC		
Copper	1.00E+05	YES	no	no - qual. COPC
Cyanide, Total	4.10E+03	no - qual. COPC		
Iron	6.10E+04	YES	no	YES - COPC
Manganese	4.70E+03	YES	no	no - qual. COPC
Mercury	6.10E+01	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Selenium	1.00E+03	no - qual. COPC		
Silver	1.00E+03	no - qual. COPC		
Tin	1.00E+05	no - qual. COPC		
Vanadium	1.40E+03	no - qual. COPC		
Zinc	6.10E+04	YES	no	no - qual. COPC
4,4'-DDD	2.40E+01	no - qual. COPC		
Aroclor-1254	2.90E+00	YES	YES - COPC	
Aroclor-1260	2.90E+00	YES	YES - COPC	
2-Methylnaphthalene	8.20E+03	no - qual. COPC		
Acenaphthene	1.20E+04	no - qual. COPC		
Anthracene	6.10E+04	no - qual. COPC		
Benzo[a]anthracene	7.80E+00	YES	YES - COPC	
Benzo[a]pyrene	7.80E-01	YES	YES - COPC	
Benzo[b]fluoranthene	7.80E+00	YES	YES - COPC	
Benzo[k]fluoranthene	7.80E+01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.10E+02	YES	YES - COPC	
Butylbenzylphthalate	4.10E+04	no - qual. COPC		
Carbazole	2.90E+02	no - qual. COPC		
Chrysene	7.80E+02	no - qual. COPC		
Di-n-butylphthalate	2.00E+04	no - qual. COPC		
Dibenz[a,h]anthracene	7.80E-01	YES	no	YES - COPC
Dibenzofuran	8.20E+02	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Fluorene	8.20E+03	no - qual. COPC		
Indeno[1,2,3-cd]pyrene	7.80E+00	YES	YES - COPC	
N-Nitrosodiphenylamine	1.20E+03	no - qual. COPC		

TABLE 4.2-25B: MAINTENANCE WORKER EXPOSURE UNIT - SCREENING OF COPCS IN SEDIMENT

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
Naphthalene	8.20E+03	no - qual. COPC		
Pyrene	6.10E+03	no - qual. COPC		
Acetone	2.00E+04	no - qual. COPC		
Benzene	2.00E+02	no - qual. COPC		
Chlorobenzene	4.10E+03	no - qual. COPC		
Ethyl benzene	2.00E+04	no - qual. COPC		
Methyl ethyl ketone	1.00E+05	no - qual. COPC		
Tetrachloroethene	1.10E+02	no - qual. COPC		
Toluene	4.10E+04	no - qual. COPC		
Total Xylenes	1.00E+05	no - qual. COPC		

TABLE 4.2-43A: CONSTRUCTION WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL FROM EXPOSURE UNIT 2

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
OCDD	2	1	50	9.60E-04	5.08E-04	2.30E-04	1.10E-04	9.60E-04	6.40E-04	3.36E-03	5.58E+46	Unknown	9.60E-04
Aluminum	18	18	100	3.26E+03	9.49E+03	8.60E+03	NA	1.60E+04	3.83E+03	1.11E+04	1.23E+04	Normal/Lognormal	1.23E+04
Arsenic	18	15	83.33	3.60E+00	7.66E+00	5.30E+00	2.40E+00	3.66E+01	8.25E+00	1.10E+01	1.33E+01	Lognormal	1.33E+01
Barium	18	18	100	9.30E+00	2.98E+01	2.66E+01	NA	5.28E+01	1.32E+01	3.52E+01	3.95E+01	Normal/Lognormal	3.95E+01
Beryllium	18	18	100	1.20E-01	3.81E-01	3.38E-01	NA	6.70E-01	1.73E-01	4.52E-01	5.07E-01	Normal/Lognormal	5.07E-01
Chromium	18	17	94.44	3.10E+00	1.38E+01	1.12E+01	6.20E+00	3.39E+01	8.60E+00	1.73E+01	2.08E+01	Normal/Lognormal	2.08E+01
Cobalt	18	17	94.44	1.10E+00	4.96E+00	4.46E+00	4.30E+00	8.80E+00	2.04E+00	5.80E+00	6.60E+00	Normal/Lognormal	6.60E+00
Copper	18	18	100	4.70E+00	3.01E+01	1.86E+01	NA	1.40E+02	3.61E+01	4.49E+01	5.27E+01	Lognormal	5.27E+01
Iron	18	18	100	5.60E+03	1.42E+04	1.32E+04	NA	2.10E+04	4.76E+03	1.61E+04	1.73E+04	Normal/Lognormal	1.73E+04
Manganese	18	18	100	6.50E+01	4.33E+02	2.29E+02	NA	4.18E+03	9.39E+02	8.18E+02	5.58E+02	Unknown	5.58E+02
Mercury	18	2	11.11	5.00E-02	3.22E-02	2.87E-02	6.00E-02	1.10E-01	2.09E-02	4.08E-02	3.94E-02	Unknown	3.94E-02
Nickel	18	16	88.89	4.40E+00	1.01E+01	8.84E+00	8.70E+00	2.07E+01	5.27E+00	1.23E+01	1.36E+01	Normal/Lognormal	1.36E+01
Selenium	18	2	11.11	6.50E-01	4.55E-01	4.30E-01	1.30E+00	9.40E-01	1.66E-01	5.23E-01	5.37E-01	Lognormal	5.37E-01
Tin	18	9	50	5.50E+00	5.66E+00	4.93E+00	8.00E+00	1.22E+01	3.08E+00	6.93E+00	7.51E+00	Normal/Lognormal	7.51E+00
Vanadium	18	15	83.33	8.00E+00	2.41E+01	2.05E+01	3.61E+01	4.70E+01	1.21E+01	2.91E+01	3.55E+01	Normal/Lognormal	3.55E+01
Zinc	18	18	100	1.06E+01	7.63E+01	4.91E+01	NA	2.84E+02	7.78E+01	1.08E+02	1.42E+02	Lognormal	1.42E+02
Alpha-Chlordane	5	2	40	5.10E-03	2.83E-03	1.96E-03	2.10E-03	6.10E-03	2.55E-03	5.27E-03	3.01E-02	Normal/Lognormal	6.10E-03
Gamma-Chlordane	5	2	40	2.40E-03	1.63E-03	1.44E-03	2.10E-03	2.80E-03	9.00E-04	2.49E-03	3.88E-03	Normal/Lognormal	2.80E-03
Benzo[a]anthracene	34	5	14.71	3.70E-02	1.72E-01	1.63E-01	4.90E-01	1.40E-01	4.59E-02	1.86E-01	2.01E-01	Unknown	1.40E-01
Benzo[b]fluoranthene	34	3	8.82	1.00E-01	1.94E-01	1.90E-01	4.90E-01	3.70E-01	4.16E-02	2.06E-01	2.06E-01	Unknown	2.06E-01
Benzo[k]fluoranthene	34	2	5.88	3.60E-02	1.90E-01	1.83E-01	4.90E-01	3.70E-01	4.45E-02	2.03E-01	2.13E-01	Unknown	2.13E-01
Bis(2-Ethylhexyl)phthalate	34	5	14.71	7.90E-02	3.45E-01	2.53E-01	2.10E+00	2.40E+00	4.21E-01	4.67E-01	4.03E-01	Unknown	4.03E-01
Chrysene	34	6	17.65	4.10E-02	1.72E-01	1.62E-01	4.90E-01	2.20E-01	4.77E-02	1.86E-01	2.01E-01	Unknown	2.01E-01
Di-n-butylphthalate	34	4	11.76	3.70E-02	1.79E-01	1.72E-01	4.60E-01	2.30E-01	4.00E-02	1.91E-01	2.05E-01	Unknown	2.05E-01
Di-n-octylphthalate	34	7	20.59	5.30E-02	1.73E-01	1.63E-01	4.90E-01	2.30E-01	4.62E-02	1.86E-01	1.99E-01	Unknown	1.99E-01
Fluoranthene	34	8	23.53	4.70E-02	1.76E-01	1.67E-01	4.90E-01	3.20E-01	4.94E-02	1.91E-01	2.00E-01	Unknown	2.00E-01
Pyrene	34	8	23.53	4.30E-02	1.73E-01	1.60E-01	4.90E-01	3.70E-01	5.98E-02	1.90E-01	2.05E-01	Unknown	2.05E-01
1,1,1-Trichloroethane	35	6	17.14	1.50E-03	3.51E-03	3.10E-03	8.10E-03	1.50E-02	2.69E-03	4.28E-03	3.86E-03	Unknown	3.86E-03
Acetone	35	8	22.86	1.00E-02	5.33E-02	4.44E-02	1.60E-01	2.30E-01	3.58E-02	6.36E-02	6.92E-02	Unknown	6.92E-02
Methyl ethyl ketone	34	3	8.82	1.30E-02	5.38E-02	5.20E-02	1.20E-01	6.40E-02	1.03E-02	5.68E-02	6.04E-02	Unknown	6.04E-02
Tetrachloroethene	35	16	45.71	2.00E-03	8.01E-03	4.87E-03	7.00E-03	5.40E-02	1.06E-02	1.10E-02	1.04E-02	Unknown	1.04E-02
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDD	2	0	0	0.00E+00	2.00E-05	1.96E-05	4.80E-05	0.00E+00	5.66E-06	4.53E-05	1.45E-04	Unknown	4.80E-05
1234678-HpCDF	2	0	0	0.00E+00	1.50E-05	1.50E-05	3.10E-05	0.00E+00	7.07E-07	1.82E-05	1.77E-05	Unknown	1.77E-05
123478-HeCDD	2	0	0	0.00E+00	2.20E-05	2.16E-05	5.20E-05	0.00E+00	5.66E-06	4.73E-05	1.14E-04	Unknown	5.20E-05
123478-HeCDF	2	0	0	0.00E+00	1.30E-05	1.29E-05	2.90E-05	0.00E+00	2.12E-06	2.25E-05	2.77E-05	Unknown	2.77E-05
1234789-HpCDF	2	0	0	0.00E+00	1.50E-05	1.50E-05	3.10E-05	0.00E+00	7.07E-07	1.82E-05	1.77E-05	Unknown	1.77E-05
123678-HeCDD	2	0	0	0.00E+00	2.20E-05	2.16E-05	5.20E-05	0.00E+00	5.66E-06	4.73E-05	1.14E-04	Unknown	5.20E-05
123678-HeCDF	2	0	0	0.00E+00	1.30E-05	1.29E-05	2.90E-05	0.00E+00	2.12E-06	2.25E-05	2.77E-05	Unknown	2.77E-05

TABLE 4.2-43A: CONSTRUCTION WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL FROM EXPOSURE UNIT 2

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
12378-PeCDD	2	0	0	0.00E+00	3.40E-05	3.38E-05	7.60E-05	0.00E+00	5.66E-06	5.93E-05	7.42E-05	Unknown	7.42E-05
12378-PeCDF	2	0	0	0.00E+00	1.48E-05	1.47E-05	3.10E-05	0.00E+00	1.06E-06	1.95E-05	1.92E-05	Unknown	1.92E-05
123789-HeCDD	2	0	0	0.00E+00	2.20E-05	2.16E-05	5.20E-05	0.00E+00	5.66E-06	4.73E-05	1.14E-04	Unknown	5.20E-05
123789-HeCDF	2	0	0	0.00E+00	1.30E-05	1.29E-05	2.90E-05	0.00E+00	2.12E-06	2.25E-05	2.77E-05	Unknown	2.77E-05
234678-HeCDF	2	0	0	0.00E+00	1.30E-05	1.29E-05	2.90E-05	0.00E+00	2.12E-06	2.25E-05	2.77E-05	Unknown	2.77E-05
23478-PeCDF	2	0	0	0.00E+00	1.48E-05	1.47E-05	3.10E-05	0.00E+00	1.06E-06	1.95E-05	1.92E-05	Unknown	1.92E-05
2378-TCDD	2	0	0	0.00E+00	1.28E-05	1.26E-05	2.90E-05	0.00E+00	2.47E-06	2.38E-05	3.45E-05	Unknown	2.90E-05
2378-TCDF	2	0	0	0.00E+00	2.65E-05	2.65E-05	5.50E-05	0.00E+00	1.41E-06	3.28E-05	3.20E-05	Unknown	3.20E-05
OCDF	2	0	0	0.00E+00	3.13E-05	3.07E-05	7.40E-05	0.00E+00	8.13E-06	6.76E-05	1.68E-04	Unknown	7.40E-05
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	18	17	94.44	1.80E+00	4.43E+01	1.60E+01	2.70E+00	2.22E+02	7.29E+01	7.42E+01	1.43E+02	Lognormal	1.43E+02
Phenanthrene	34	5	14.71	3.90E-02	1.72E-01	1.59E-01	4.90E-01	1.90E-01	4.97E-02	1.87E-01	2.09E-01	Unknown	1.90E-01

NA - Not Applicable

TABLE 4.2-43B: CONSTRUCTION WORKER EXPOSURE UNIT - SCREENING OF COPCS IN SOIL FROM EXPOSURE UNIT 2

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT
PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
OCDD	3.70E-05	YES	YES - COPC	
Aluminum	2.00E+05	YES	no	no - qual. COPC
Arsenic	3.80E+00	YES	YES - COPC	
Barium	1.40E+04	YES	no	no - qual. COPC
Beryllium	4.10E+02	YES	no	no - qual. COPC
Chromium	1.00E+03	no - qual. COPC		
Cobalt	1.20E+04	no - qual. COPC		
Copper	8.20E+03	YES	no	no - qual. COPC
Iron	6.10E+04	YES	no	no - qual. COPC
Manganese	4.70E+03	YES	no	no - qual. COPC
Mercury	6.10E+01	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Selenium	1.00E+03	no - qual. COPC		
Tin	1.20E+05	no - qual. COPC		
Vanadium	1.40E+03	no - qual. COPC		
Zinc	6.10E+04	YES	no	no - qual. COPC
Alpha-Chlordane	1.60E+01	no - qual. COPC		
Gamma-Chlordane	1.60E+01	no - qual. COPC		
Benzo[a]anthracene	7.80E+00	no - qual. COPC		
Benzo[b]fluoranthene	7.80E+00	no - qual. COPC		
Benzo[k]fluoranthene	7.80E+01	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.10E+02	no - qual. COPC		
Chrysene	7.80E+02	no - qual. COPC		
Di-n-butylphthalate	2.00E+04	no - qual. COPC		
Di-n-octylphthalate	4.10E+03	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Pyrene	6.10E+03	no - qual. COPC		
1,1,1-Trichloroethane	4.10E+03	no - qual. COPC		
Acetone	2.00E+04	no - qual. COPC		
Methyl ethyl ketone	1.20E+05	no - qual. COPC		
Tetrachloroethene	1.10E+02	no - qual. COPC		

TABLE 4.2-45A: CONSTRUCTION WORKER EXPOSURE UNIT - STATISTICAL SUMMARY OF COPCS IN SOIL FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Total Number of Samples	Hits	Hit Frequency %	Minimum Detected mg/kg	Mean mg/kg	Logarithmic Mean mg/kg	Maximum SQL mg/kg	Maximum Detected mg/kg	Standard Deviation mg/kg	95% UCL mg/kg	Log 95% UCL mg/kg	Distribution 99% Confidence	Exposure Point Concentration mg/kg
OCDD	2	1	50	5.30E-04	3.73E-04	3.38E-04	4.30E-04	5.30E-04	2.23E-04	1.37E-03	2.65E+01	Unknown	5.30E-04
Aluminum	2	2	100	6.09E+03	6.69E+03	6.66E+03	NA	7.28E+03	8.41E+02	1.04E+04	1.13E+04	Unknown	7.28E+03
Arsenic	2	2	100	4.50E+00	1.65E+01	1.13E+01	NA	2.85E+01	1.70E+01	9.23E+01	9.94E+21	Unknown	2.85E+01
Barium	2	2	100	1.80E+01	2.21E+01	2.17E+01	NA	2.62E+01	5.80E+00	4.80E+01	1.22E+02	Unknown	2.62E+01
Beryllium	2	2	100	2.50E-01	2.75E-01	2.74E-01	NA	3.00E-01	3.54E-02	4.33E-01	4.72E-01	Unknown	3.00E-01
Chromium	2	2	100	1.00E+01	1.02E+01	1.02E+01	NA	1.04E+01	2.83E-01	1.15E+01	1.12E+01	Unknown	1.04E+01
Cobalt	2	2	100	3.80E+00	3.85E+00	3.85E+00	NA	3.90E+00	7.07E-02	4.17E+00	4.10E+00	Unknown	3.90E+00
Copper	2	2	100	1.03E+01	1.29E+01	1.26E+01	NA	1.55E+01	3.68E+00	2.93E+01	9.66E+01	Unknown	1.55E+01
Iron	2	2	100	8.97E+03	1.02E+04	1.01E+04	NA	1.14E+04	1.72E+03	1.79E+04	2.26E+04	Unknown	1.14E+04
Manganese	2	2	100	1.07E+02	1.42E+02	1.38E+02	NA	1.77E+02	4.95E+01	3.63E+02	3.23E+03	Unknown	1.77E+02
Nickel	2	2	100	5.50E+00	6.45E+00	6.38E+00	NA	7.40E+00	1.34E+00	1.24E+01	1.98E+01	Unknown	7.40E+00
Zinc	2	2	100	1.94E+01	2.68E+01	2.57E+01	NA	3.41E+01	1.04E+01	7.32E+01	1.49E+03	Unknown	3.41E+01
2-Methylnaphthalene	2	1	50	2.00E-01	1.88E-01	1.87E-01	3.50E-01	2.00E-01	1.77E-02	2.66E-01	2.69E-01	Unknown	2.00E-01
Benzo[a]anthracene	2	1	50	4.10E-02	1.18E-01	8.94E-02	3.90E-01	4.10E-02	1.09E-01	6.04E-01	7.28E+13	Unknown	4.10E-02
Bis(2-Ethylhexyl)phthalate	2	2	100	3.10E-01	1.16E+00	7.87E-01	NA	2.00E+00	1.20E+00	6.49E+00	1.84E+21	Unknown	2.00E+00
Chrysene	2	1	50	5.20E-02	1.24E-01	1.01E-01	3.90E-01	5.20E-02	1.01E-01	5.75E-01	4.75E+09	Unknown	5.20E-02
Fluoranthene	2	1	50	1.00E-01	1.48E-01	1.40E-01	3.90E-01	1.00E-01	6.72E-02	4.47E-01	5.19E+01	Unknown	1.00E-01
Naphthalene	2	1	50	4.90E-02	1.12E-01	9.26E-02	3.50E-01	4.90E-02	8.91E-02	5.10E-01	7.20E+08	Unknown	4.90E-02
Pyrene	2	1	50	9.60E-02	1.46E-01	1.37E-01	3.90E-01	9.60E-02	7.00E-02	4.58E-01	1.17E+02	Unknown	9.60E-02
Acetone	2	1	50	3.30E-02	4.15E-02	4.06E-02	1.00E-01	3.30E-02	1.20E-02	9.52E-02	3.32E-01	Unknown	3.30E-02
Ethyl benzene	2	1	50	1.40E-02	8.25E-03	5.92E-03	5.00E-03	1.40E-02	8.13E-03	4.46E-02	1.00E+16	Unknown	1.40E-02
Total Xylenes	2	1	50	2.50E-02	1.38E-02	7.91E-03	5.00E-03	2.50E-02	1.59E-02	8.48E-02	3.45E+30	Unknown	2.50E-02
Constituents Retained As A Member of a Family of Chemicals, At Least One of Which Has Been Retained for Quantitative Analysis:													
1234678-HpCDD	2	0	0	0.00E+00	3.00E-05	2.97E-05	6.90E-05	0.00E+00	6.36E-06	5.84E-05	9.54E-05	Unknown	6.90E-05
1234678-HpCDF	2	0	0	0.00E+00	1.83E-05	1.80E-05	4.30E-05	0.00E+00	4.60E-06	3.88E-05	8.84E-05	Unknown	4.30E-05
123478-HeCDD	2	0	0	0.00E+00	1.63E-05	1.62E-05	3.30E-05	0.00E+00	3.54E-07	1.78E-05	1.75E-05	Unknown	1.75E-05
123478-HeCDF	2	0	0	0.00E+00	1.43E-05	1.37E-05	3.60E-05	0.00E+00	5.30E-06	3.79E-05	5.40E-04	Unknown	3.60E-05
1234789-HpCDF	2	0	0	0.00E+00	1.83E-05	1.80E-05	4.30E-05	0.00E+00	4.60E-06	3.88E-05	8.84E-05	Unknown	4.30E-05
123678-HeCDD	2	0	0	0.00E+00	1.63E-05	1.62E-05	3.30E-05	0.00E+00	3.54E-07	1.78E-05	1.75E-05	Unknown	1.75E-05
123678-HeCDF	2	0	0	0.00E+00	1.43E-05	1.37E-05	3.60E-05	0.00E+00	5.30E-06	3.79E-05	5.40E-04	Unknown	3.60E-05
12378-PeCDD	2	0	0	0.00E+00	7.75E-05	7.42E-05	2.00E-04	0.00E+00	3.18E-05	2.20E-04	7.56E-03	Unknown	2.00E-04
12378-PeCDF	2	0	0	0.00E+00	1.45E-05	1.38E-05	3.80E-05	0.00E+00	6.36E-06	4.29E-05	3.11E-03	Unknown	3.80E-05
123789-HeCDD	2	0	0	0.00E+00	1.63E-05	1.62E-05	3.30E-05	0.00E+00	3.54E-07	1.78E-05	1.75E-05	Unknown	1.75E-05
123789-HeCDF	2	0	0	0.00E+00	1.43E-05	1.37E-05	3.60E-05	0.00E+00	5.30E-06	3.79E-05	5.40E-04	Unknown	3.60E-05
234678-HeCDF	2	0	0	0.00E+00	1.43E-05	1.37E-05	3.60E-05	0.00E+00	5.30E-06	3.79E-05	5.40E-04	Unknown	3.60E-05
23478-PeCDF	2	0	0	0.00E+00	1.45E-05	1.38E-05	3.80E-05	0.00E+00	6.36E-06	4.29E-05	3.11E-03	Unknown	3.80E-05
2378-TCDD	2	0	0	0.00E+00	1.18E-05	1.16E-05	2.70E-05	0.00E+00	2.47E-06	2.28E-05	3.68E-05	Unknown	2.70E-05
2378-TCDF	2	0	0	0.00E+00	6.35E-05	4.81E-05	2.10E-04	0.00E+00	5.87E-05	3.26E-04	4.57E+10	Unknown	2.10E-04
OCDF	2	0	0	0.00E+00	4.85E-05	4.56E-05	1.30E-04	0.00E+00	2.33E-05	1.53E-04	3.89E-02	Unknown	1.30E-04
Constituents With No Screening Criteria to be Evaluated Quantitatively:													
Lead	2	2	100	4.30E+00	8.80E+00	7.56E+00	NA	1.33E+01	6.36E+00	3.72E+01	4.29E+08	Unknown	1.33E+01
Phenanthrene	2	1	50	5.70E-02	1.26E-01	1.05E-01	3.90E-01	5.70E-02	9.76E-02	5.62E-01	1.77E+08	Unknown	5.70E-02

NA - Not Applicable

5cwstat.xls \ eu3 - soil - quant

Click Here to Go to Part 3 of Tables

TABLE 4.2-45B: CONSTRUCTION WORKER EXPOSURE UNIT - SCREENING OF COPCS IN SOIL FROM EXPOSURE UNIT 3

SIKORSKY AIRCRAFT CORPORATION - STRATFORD, CT PUBLIC HEALTH AND ENVIRONMENTAL RISK EVALUATION

Constituent	Industrial Screening Criteria mg/kg	Is Maximum Detect or Maximum SQL > Screening Criteria?	Is the Maximum Detected > the Maximum SQL?	Is Maximum Detected > Screening Criteria?
OCDD	3.70E-05	YES	YES - COPC	
Aluminum	2.00E+05	no - qual. COPC		
Arsenic	3.80E+00	YES	no	YES - COPC
Barium	1.40E+04	no - qual. COPC		
Beryllium	4.10E+02	no - qual. COPC		
Chromium	1.00E+04	no - qual. COPC		
Cobalt	1.20E+04	no - qual. COPC		
Copper	8.20E+03	no - qual. COPC		
Iron	6.10E+04	no - qual. COPC		
Manganese	4.70E+03	no - qual. COPC		
Nickel	4.10E+03	no - qual. COPC		
Zinc	6.10E+04	no - qual. COPC		
2-Methylnaphthalene	8.20E+04	no - qual. COPC		
Benzo[a]anthracene	7.80E+00	no - qual. COPC		
Bis(2-Ethylhexyl)phthalate	4.10E+02	no - qual. COPC		
Chrysene	7.80E+02	no - qual. COPC		
Fluoranthene	8.20E+03	no - qual. COPC		
Naphthalene	8.20E+03	no - qual. COPC		
Pyrene	6.20E+03	no - qual. COPC		
Acetone	2.00E+05	no - qual. COPC		
Ethyl benzene	2.00E+04	no - qual. COPC		
Total Xylenes	4.10E+05	no - qual. COPC		